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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Trade-Marks	199	No. 430,879 to No.	431,077,	inclusive
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Reissues	1	No. 22,894		
Plant Patents	2	No. 740 to No.	741,	inclusive
Patents	355	No. 2,423,076 to No.	2,423,430,	inclusive
Designs	31	No. 147,002 to No.	147,032,	inclusive
Total	668			

Patents expiring: Patent Numbers 1,768,533 to 1,769,911, inclusive, issued July 1, 1930, expire July 1, 1947

Condition of Applications Under Examination at Close of Business June 13, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 147,083; Trade-Mark Division, 13,640. Oldest new case, August 20, 1946; oldest amended, August 6, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 10	*Nov. 30	2,920
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Nov. 30	3,555
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Feb. 15	Feb. 1	1,721
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Jan. 8	Feb. 2	3,094
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Aug. 20	*Aug. 6	3,809
6. SURLE, H., Carbon Chemistry (part)	May 27	May 25	1,917
7. HANLIN, GEORGE, Optics, Photography	June 26	June 17	1,992
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	*Dec. 29	*Nov. 19	3,839
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Nov. 19	*Nov. 17	2,159
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Feb. 28	Feb. 20	1,385
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 17	Sept. 13	824
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 15	Feb. 12	2,676
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Oct. 24	*Oct. 10	2,244
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Apr. 2	Apr. 22	1,357
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 9	*Sept. 11	2,007
16. LOVEWELL, N. N., Telegraphy: Telephony	Apr. 1	Apr. 15	1,313
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 29	Feb. 2	1,356
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Oct. 16	*Oct. 26	1,660
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Mar. 27	Apr. 1	1,735
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	*Oct. 31	*Nov. 26	2,201
21. THOMPSON, T. J., Textiles	July 22	Sept. 25	912
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	*Dec. 26	*Dec. 27	1,849
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Dec. 27	*Dec. 17	1,100
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 4	Oct. 5	1,661
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 8	Jan. 16	1,801
26. YOUNG, R. R., Electricity—Generation and Motive Power	*Dec. 10	*Dec. 3	2,223
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 1	Jan. 15	2,515
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	*Nov. 1	*Nov. 14	1,251
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Jan. 21	Feb. 18	2,713
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Feb. 19	Feb. 18	2,536
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	July 22	July 29	992
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Jan. 22	Jan. 4	2,472
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 15	*Nov. 15	3,291
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 5	Jan. 25	1,392
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Mar. 1	2,384
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 14	*Nov. 23	1,914
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 21	Mar. 29	1,616
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions; Rubber; Ornamentation	May 9	May 8	1,376
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 1	*Oct. 1	2,693
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 1	Jan. 18	2,827
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	*Dec. 18	Feb. 1	785
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	June 27	July 19	1,088
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	May 6	July 8	1,072
44. HARVEY, L. P., Refrigeration; Preserving	*Nov. 26	*Oct. 8	1,416
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 6	*Dec. 6	2,424
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 25	Mar. 18	1,840
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Feb. 18	Mar. 22	3,014
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Nov. 26	*Nov. 27	1,858
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 23	Mar. 1	1,526
50. LEVIN, SAMUEL, Synthetic Resins	Apr. 24	Apr. 24	2,620
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 1	Jan. 31	2,071
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Mar. 11	Mar. 26	3,448
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	*Dec. 11	*Nov. 6	3,997
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Mar. 15	Mar. 15	2,150
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	*Nov. 19	*Dec. 3	1,957
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	Apr. 27	May 24	1,412
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Nov. 17	Jan. 5	3,237
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Mar. 30	Apr. 25	1,341
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Oct. 16	*Oct. 19	2,170
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Nov. 28	Apr. 23	2,059
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 5	Jan. 7	2,855
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	*Oct. 1	*Oct. 2	4,149
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Feb. 5	Jan. 8	2,162
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	May 10	May 3	1,671
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Oct. 25	*Nov. 1	2,289
Trade-Marks: MERCHANT, J. H.	June 13	Nov. 21	13,640
Designs: BREHM, G. L. (Acting)	Mar. 15	†Jan. 4	9,100

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MILLER

No. 5,263. Decided February 11, 1947

[159 F.(2d) 756; 72 USPQ 512]

PRACTICE—REJECTION UPON LARGE NUMBER OF REFERENCES—SUGGESTION OF PATENTABILITY.

Where appellant alleges that the citation of a large number of references suggests that the claims are in fact patentable, *Held* that "the law is well settled that it is proper for the tribunals of the Patent Office to recite all grounds of rejection of an application for a patent so that the basis of each rejection may be scrutinized in the event of an appeal".

SAME—REJECTION UPON COMBINATION OF REFERENCES.

It is also proper for the tribunals of the Patent Office to consider a number of references and to rely upon more than one of them as the basis of a rejection.

PATENTABILITY—METHOD—COMBINING STEPS OF PRIOR ART.

Certain claims to a method of producing textile lap *Held* non-patentable, since there was no invention in combining the elements of the methods disclosed in the art of record.

APPEAL from the Patent Office. Affirmed.

Cushman, Darby & Cushman (*George Ramsey* and *C. Willard Hayes* of counsel) for Miller.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting as unpatentable over the prior art claims 22, 23, and 24 in appellant's application for a patent for an alleged improvement in the method of making laps. Claim 15, drawn to method, was allowed by the Examiner.

The references are—Miller, Reissue 134, April 24, 1849; Henry, 16,117, November 25, 1856; Van Winkle, 299,297, May 27, 1884; Archer, 371,913, October 25, 1887; Kitson, 374,899, December 13, 1887; Crooker, 418,111, December 24, 1889; Williams et al., 2,062,626, December 1, 1936; Shorter et al., 2,071,438, February 23, 1937.

Claim 22 is illustrative—

22. The method of producing continuous textile lap of substantially uniform thickness and density, which comprises: flowing a gaseous medium in a strong steady stream devoid of appreciable eddies, uniformly continuously feeding and dispersing the lap-forming fibers into entrained suspension in said steady stream, directing said stream with its dispersed entrained fibers upon a foraminous member pervious to said gaseous medium but substantially impervious to said entrained fibers, uniformly progressively moving said foraminous member across said directed stream to present thereto a continuously-renewed foraminous surface upon which the dispersed entrained fibers are substantially individually deposited in the form of a progressively built-up layer of uniformly-distributed heterogeneously-oriented individual fibers, and progressively releasing and removing the thus-produced textile lap from said foraminous member without disturbing the continuity or uniformity thereof.

The invention relates to a method of forming a lap of fur fibers and may be carried out by various types of mechanisms, preferably machines known in the art as "blowers."

In the preferred form of apparatus employed, textile fibers, which may comprise rabbit fur, are placed in a weighing feeder and fed into the lap former by dropping the fibers upon a conveyor belt which transports them to a pair of feed rollers adjacent to a rapidly revolving picker cylinder which exerts a picking or pulling action on the fiber as it is removed from the rolls.

The swift rotation of the picker creates a substantial air current by which the fiber is carried in suspension and deposited on a revolving screen drum through which the current of air may pass.

The air current formed by the rapidly rotating picker cylinder is controlled by a baffle plate curved to fit closely over the upper part of the picker cylinder and an adjustable baffle board connected with a suitable handle below the picker. By controlling the air current in such manner, appellant alleges "the fiber is positively carried by this air current and deposited on a screen before the direct force of the air current is dissipated and the air is permitted to form undesirable eddies."

A conveyor belt located beneath the screen drum has substantially the same longitudinal speed as the peripheral speed of the drum, and when the machine operates the fibers drop by gravity from the screen drum upon the conveyor belt which feeds the material to a second pair of feed rolls of a second stage in the machine, which is a duplicate of the first stage. The operation is repeated in a number of consecutive stages in the machine to secure more uniformity in density and thickness to the final lap which is removed from the machine by an outlet conveyor belt.

The reissued patent to Miller relates to an improvement in machinery for making such articles as felt fabrics from fur by converting the fibrous material into continuous webs, laps, or sheets. A revolving fan or blower blows the fibers received from a feed opening through a chamber until they reach a constantly moving cylinder the surface of which is composed of sieve-work such as wire-gauze. The fibers are made to pass through the cylinder

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and a friction-roller and are compressed between them into a web or lap.

The patent to Henry relates to an improvement in machinery for manufacturing cotton yarns and discloses a machine in which ginned cotton is thrown by the draft of the brush wheel upon a perforated revolving cylinder and a moving apron which carry it to the opening at the end of the gin. From that point the operation is repeated in sequence and the material is wound into a lap.

The patent to Van Winkle discloses a machine for opening and cleaning cotton and other fibrous material which comprises two or more rotary shafts provided with beaters which deliver the fibrous material onto a rotating screen or perforated cylinder from which the air is removed by an exhaust fan. The cylinder is arranged over an operating apron which delivers the processed fibers.

The patent to Archer relates to improvements in machines for carding or separating fibrous material. In this disclosure the fibers are dispersed in an air stream and directed upwardly against a rotating cylinder made of wire-gauze upon which the fibers are deposited and through which the air passes. The machine has one or more sections, each section being provided, among other things, with a picker, cylinders, and an endless apron above the end of which is journaled the smaller roller onto which the stock passes and by means of which it is flattened to be lapped by winding on another roller until a lap of suitable size is formed.

The patent to Kitson relates to an improvement in machines for opening and preparing cotton and other fibrous substances. This disclosure shows the use of an "ordinary" feed apron, feed rolls, beaters, one or more condensing screen cylinders, doffer and lap rolls, a fan or blower, and a damper to control the amount of air-draft from each pair of screen cylinders. As described by the Examiner—

> This patent shows two beating operations on cotton after each of which it is condensed on foraminous cylinders through which the air is drawn. After the final condensing the cotton is rolled into a lap or bat.

The patent to Crooker discloses a cotton gin and renovator comprising a series of beater rolls having flattened teeth adapted to produce an air current so as to convey the fiber against the outside of the revolving wire-gauze drum or condensing cylinder which carries the fiber downward upon the endless slat belt beneath, which flattens it out into a bat or loose sheet. The bat or sheet is then carried through the machine in a picking operation, condensed into a bat or batting, and delivered by a wipe roll from the end of the machine.

The patent to Williams et al. relates to a method and apparatus and his particular reference to the cleaning of fibrous material comprised in a mixture. The patentees state in their specification—

> We have found that if the materials to be separated from each other are conveyed for an appropriate distance by a current of fluid, e. g. a current of air, of such a character that there are no eddies except such as are of very small dimensions, materials having buoyancies not widely differing from each other can be successfully separated.
>
> * * * * * * *
>
> The characteristics of such an air stream to a high degree determinate and are capable of being regulated by adjustment of the air conveying means (e. g. by the adjustment of the speed of a fan or the aperture of a valve).

In this reference the method of cleaning the cotton or other mixture of fibrous material consists in finely dividing the mixture, producing a "streamline flow" by which suspended particles of the material are directed to the periphery of the foraminous revolving dust cage, from which it is delivered to a collecting box by a delivery plate to which may be added a revolving cleaner.

The disclosure of the patent to Shorter et al. describes a method of and apparatus for producing slivers or ends of fibrous materials from cleaned and well opened cotton conveyed in an air stream "in which there are no eddies except possibly such as are of very small linear dimensions." According to the disclosed method, the fibrous material is projected by a beater in a finely divided state into a chamber wherein there is a sustained conveying air current by means of which the opened cotton is carried forward toward the perforated cage which revolves downwardly and in which the stream of air and fiber are divided by plates. The subdivided streams travel forward until each meets the corresponding perforated section of the cage with its peripheral divisions. The air and fine dust pass through the cage perforations and the cotton is condensed by the cage and a roller into a number of separate strips or ends which may be passed through compressor rolls to form a set of slivers.

Since claim 15 for method has been allowed, it must be conceded that appellant's application discloses invention. The Examiner and the Board took the position, however, that the language of the rejected claims is so broad and indefinite that the claims include, without showing any advancement over, the disclosure of the prior art.

The Examiner applied more than one ground of rejection to each of the claims on appeal and each rejection was based upon the disclosures of different but not all the cited references. Appellant alleges that the citation of eight references "means there is really no one definite reference" which anticipates appellant's method claims and that the citation of a large number of references suggests that the claims are in fact patentable.

The law is well settled that it is proper for the tribunals of the Patent Office to recite all grounds of rejection of an application for a patent so that the basis of each rejection may be scrutinized in the event of an appeal to this court.

It is not necessary for the court, however, to recite and pass upon each ground of rejection. *In re Liebergeld and Singer*, 20 C. C. P. A. (Patents) 1031, 1033, 64 F.(2d) 541, 17 USPQ 344. In connection with the allowance of patent claims, either for a machine or a method, it is also proper for the tribunals of the Patent Office to consider a number of references and to rely upon more than one of them as the basis for the rejection of such claims. *In re Stover*, 32 C. C. P. A. (Patents) 823, 146 F.(2d) 299, 64 USPQ 186; *In re William J. Armbruster*, 18 C. C. P. A. (Patents) 1039. 47 F.(2d) 815, 8 USPQ 446.

Claim 22 calls for "a strong steady stream devoid of appreciable eddies." The Examiner pointed out that this step involves a feature well known in the art as disclosed by the cited references, and in affirming the action of the Examiner the Board further stated that a current of air devoid of appreciable eddies could be provided as a matter of choice by any person skilled in the art by controlling the velocity of the air stream as disclosed and suggested by the patents to Archer, Crooker, Williams et al. and Shorter et al.

As hereinbefore described, the two last named patents definitely state that the current of air is such that there are no eddies except those which are of very small dimensions. The patent to Williams et al. explicitly states, moreover, that the characteristics of the air stream may be regulated by the adjustment of the speed of a fan or the aperture of a valve.

The second step recited in claim 22 calls for "uniformly continuously feeding and dispersing the lap-forming fibers into entrained suspension in said steady stream." The Examiner held, and the Board affirmed his action in so doing, that this feature of the appealed claim is anticipated by the patents to Henry, Kitson, and Crooker in each of which the fibers are dispersed in the air stream as uniformly as are those of appellant. The court is unable to concur with the argument presented by counsel for appellant to the effect that this holding is erroneous.

The third step of claim 22 which calls generally for directing the fibers upon a foraminous member is obviously anticipated by each of the cited references. Rotating the foraminous member as described in the fourth step of claim 22 and removing therefrom the laps produced therein as described by the fifth step of the claim clearly involve no patentable distinction over the references.

Appellant contends that the Board erred in affirming the action of the Examiner in rejecting claim 23 on the ground that there would be nothing patentable in upwardly directing the fibers in the patent to Miller in view of the disclosure of the patents to Archer and Shorter et al.; and that there would be no invention in repeating the steps defined by claim 24 since such steps are anticipated by the patents to Miller and Shorter et al. in view of Archer.

As hereinbefore described the patent to Archer disclosed that the fibers are dispersed in an air stream and directed upwardly against the rotating wire-gauze drum and there appears to be no error in the ruling that there would be nothing patentable in substituting that direction of the fibers in the disclosure of the patent to Miller. Moreover, the foraminous member disclosed by the patent to Shorter et al. rotates downwardly across the air stream as called for by claim 23. The substitution of the upward and downward movement of these two references in the patent to Miller would not involve invention.

The repetition of the series of steps recited in claim 24 is clearly anticipated by the patent to Archer as well as the patent to Henry and no invention would be involved in substituting that procedure in the disclosure of either the patent to Miller or Shorter et al.

Appellant urges that the cited references are complete machines and any attempt to reorganize one in view of another will result in an inoperative device. The appealed claims are directed to method and not to a machine. The issue is whether there was invention in combining the elements of the methods disclosed in the machines of the art of record as appellant has done. The Board was held that no invention was involved in combining such elements and appellant has failed to convince the court that there was error in that holding.

For the reasons stated, the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

NOTICES

Amendment of Patent Rules 156 and 191

The following amendments have been made to take effect on July 5, 1947.

The first paragraph of Rule 156 has been amended to read as follows:

"The testimony shall be taken in answer to interrogatories, with the questions and answers recorded in their regular order by the officer, or by some person not interested in the case either as a party thereto or as attorney or agent in the presence of the officer except when his presence is waived on the record by agreement of the parties. The testimony shall be taken stenographically and transcribed, unless the parties agree otherwise."

The item in Rule 191 reading:

For each brief from the digest of assignments, of 200 words or less ..... .50

has been amended to read:

For each brief from the digest of assignments, of 200 words or less 1.00

These amendments were published in the Federal Register for June 19, 1947.

CASPER W. OOMS,
Commissioner

June 20, 1947.

Adjudicated Patents

(D. C. Ill.) Nagel patent, No. 2,262,553, for a motion picture camera, claims 9 to 11 *Held* invalid but infringed if valid. *Revere Camera Company* v. *Eastman Kodak Company*, 71 F. Supp. 65; 73 USPQ 31.

(D. C. Ill.) Wittel patent, No. 2,262,570, for a motion picture camera, claims 1, 3, 8, and 13 *Held* invalid but infringed if valid. *Id.*

Classification Bulletin No. 99

Classification Bulletin No. 99 is now available and may be purchased from the Commissioner of Patents for ten cents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 1,894,315. MAIL POUCH CATCHING AND DELIVERING MEANS. Patented Jan. 17, 1933. This invention consists of mail pouch supporting means rockably positioned within a mail car and extendible therefrom and a crane stationarily positioned outside the car adjacent the railway tracks which also has mail pouch supporting and receiving means so that an outgoing and an incoming pouch may be simultaneously exchanged. A pouch contacting toggle mechanism between a pair of jaws causes the jaws to close and simultaneously withdraws a toothed rack engaged by a pawl to hold the jaws in locked position around the pouch. The pouch received by the crane is free to rotate on a standard thereof. (Owner) Lawrence Ray Boyer, Jr., % Sheet Metal Shop, N. L. F. E. D., Annex No. 1, Little Creek, Va. Group 35—69. Reg. No. 5,856.

Pat. 2,412,899. COMPOSITE SHOE HEEL. Patented Dec. 17, 1946. A rubber heel which may be adjusted or replaced by wearer. Comprises a heel with a hard and rigid body portion such as leather secured to shoe. A separate elastic rim encircles body portion. Projections at various points on grooved body fit in recesses in the elastic rim. When one zone of rim becomes worn the rim may be moved to another zone. (Owner) Michael Margolis, 438 South 11th St., Newark 3, N. J. Groups 30—22; 31—31. Reg. No. 5,857.

Pat. 1,894,487. BOTTLE OPENER. Patented Jan. 17, 1933. A handle of steel or the like has a hook at one end for removing a bottle cap. An inverted cup-shaped member is pivoted to and covers the hook part of handle and fits over mouth and neck of bottle. Directs any liquid escaping from bottle downwardly into receptacle in which bottle is placed. (Owner) Samuel Gunther, Carey, Ohio. Groups 33—51; 40. Reg. No. 5,858.

Pat. 2,141,569. CONCRETE AND HYDRAULIC CEMENT. Patented Dec. 27, 1938. Group 32—42. Reg. No. 5,859.

Pat. 2,169,980. CEMENT MIX. Patented Aug. 15, 1939. Group 32—42. Reg. No. 5,860.

The two patents listed above are for incorporating a cement dispersing agent in concrete mixes for concrete floors of the metallic aggregate type. Address correspondence to The Master Builders Co., 7016 Euclid Ave., Cleveland 3, Ohio.

Pat. 2,402,723. MEANS AND METHOD OF SEALING AND TESTING WELLHEAD CONNECTIONS. Patented June 25, 1946. Pipe seal for wells includes an annular body of special design around a string of pipe which is welded thereto. A second fluid-tight seal is inserted between the annular body and the pipe and spaced below the weld. Fluid is forced under pressure into the space between the weld and seal to test for leakage without danger of collapsing the pipe. (Owner) Cameron Iron Works, Inc., 711 Milby St., Houston, Tex. Group 33—12. Reg. No. 5,861.

Pat. 2,402,171. HYDRAULIC SAFETY VALVE. Patented June 18, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A safety valve for a hydraulic braking system. A fluid connection with a reversible safety valve is provided between the master operating device and each brake. The piston in cylinder is by-passed to permit operation despite minor leaks. When a leak occurs in a connection on the discharge side of the piston, the reduced pressure permits the piston to move beyond its predetermined limits. This closes the outlet from the by-pass and remainder of system. The remaining connections and brakes are unaffected by the leak. A spring in cylinder restores piston to neutral position when pressure is relieved. (Co-owner) Gilbert M. Lutes, Gilman, Iowa. Groups 37—21; 38—31. Reg. No. 5,862.

Pat. 2,320,477. HOSE REEL. Patented June 1, 1943. A self dumping reel for storing and dispensing coiled hose such as fire hose. The device is housed in a cabinet mounted in a building wall. A drum on a pivot holds the coiled hose which is coupled to a fluid supply line. A flange on drum retains hose coiled thereon and is removable when hose is to be uncoiled. The mechanism is inoperative as long as it is positioned in case for storage. Operates simultaneously with the withdrawal of the nozzle which opens the valve ready for use. (Owner) Benjamin F. Souther, 214 22nd Ave., Seattle 2, Wash. Group 35—69. Reg. No. 5,863.

Pat. 2,415,332. HEAD GATE FOR IRRIGATION DITCHES. Patented Feb. 4, 1947. A removable head gate for an irrigation ditch. The sheet metal body has vertical angle iron strips at sides of gate opening into which closure plate slides. Held in position by latches on sides of plate. Reinforced by a metal cross strip. A screen also slides in uprights. The tapered lower portions of the vertical strips enter bed of irrigation ditch. Strong but light in weigh and inexpensive to manufacture. (Owner) Robert B. Blackmore, Box 1588, Casper, Wyo. Group 34—95. Reg. No. 5,864.

Pat. 2,413,595. AUTOMATICALLY ADJUSTABLE WIRE ROPE DIE. Patented Dec. 31, 1946. A hydraulically controlled automatically adjustable wire rope die. Comprises a master unit under control of operator. The tool pieces are grouped to form a strand wire rope-way therebetween. Uniform pressure is transferred to the cylinders through feed line. This operates individual plungers in cylinders and automatically adjusts its associated tool piece in the working of the die as a unit. (Owner) Winston D. Wiser, 108½ East Water St., Muncy, Pa. Group 35—42. Reg. No. 5,865.

Re. 19,182. DRILL AND LIKE IMPLEMENT AND METHOD OF MAKING SAME. Reissued May 29, 1934. (Original Patent 1,847,382; dated Mar. 1, 1932.) Group 33—51. Reg. No. 5,866.

Pat. 1,887,372. CUTTING AND FORMING TOOLS, IMPLEMENTS, AND THE LIKE. Patented Nov. 8, 1932. Group 33—51. Reg. No. 5,867.

Pat. 1,887,373. REAMER AND THE LIKE. Patented Nov. 8, 1932. Group 33—51. Reg. No. 5,868.

Pat. 1,887,374. DRILL. Patented Nov. 8, 1932. Group 33—51. Reg. No. 5,869.

Pat. 1,977,845. CUTTING AND FORMING TOOL, IMPLEMENT, AND THE LIKE AND METHOD OF MAKING SAME. Patented Oct. 23, 1934. Group 33—51. Reg. No. 5,870.

The five patents listed above relate to a process of making a composite drill having primary and secondary cutting edges. Particularly adapted for forming holes in materials of a hard or abrasive nature. The body of the tool is formed of an alloy or other material which is susceptible to heat treatment. The working parts are formed of a hard metal alloy. The working and body parts are formed by casting, grinding, etc. and then secured together. The attaching surfaces are heated to a brazing temperature. The brazing metal is applied to joints between body and working parts for hardening body and providing a secondary cutting edge. (Owner) The Cleveland Twist Drill Co., 1242 East 49th St., Cleveland 14, Ohio.

Pat. 2,413,464. VENETIAN BLIND. Patented Dec. 31, 1946. This patent relates to a Venetian blind and is concerned mostly with the use of translucent slats and means for independently supporting said slats, inclining and raising same. The features of this invention are particularly adaptable to the use of scrap bulb-edge glass. (Owner) Alexis Nihon. Address correspondence to Robic & Bastien, P. O. Box 368, Station "B", Montreal 2, Quebec, Canada. Group 25—63. Reg. No. 5,871.

Pat. 2,415,196. METALLIC IMPREGNATED GRAPHITIC MATERIAL AND METHOD OF PRODUCING THE SAME. Patented Feb. 4, 1947. This invention relates to a method of producing a copper or copper and iron impregnated graphite material. Used as commutator brushes, bearings and the like. Comprises treating kish with a soluble salt solution such as copper sulphate. One part of copper sulphate to five parts of water provides a solution of the proper concentration. The kish is mixed with the copper sulphate solution, heated and maintained near boiling. While heating the iron in the kish is dissolved and an equivalent amount of copper deposited in its place. (Owners) Ralph H. Steinberg and Dave Steinberg. Address correspondence to Ralph H. Steinberg, 836 West 71st St., Chicago 21, Ill. Group 28—89. Reg. No. 5,872.

Pat. 2,406,659. MECHANISM FOR PRESSURE DISCHARGE OF STREAMS OF LIQUID. Patented Aug. 27, 1946. A mechanism for pressure discharge of liquid in fine streams through several orifices in wall of chamber during predetermined spaced intervals and under vacuum control. Comprises a chamber of strong, rigid material such as metal or plastic. Liquid is delivered under pressure through conduit to interior of chamber and discharged in fine streams through orifices in wall of chamber. Pins are slidably mounted in the walls—one aligned with each orifice for intermittent opening and closing of orifice. An automatic vacuum controlled means cleans each orifice after each delivery of liquid therethrough. (Owner) Malcolm B. Boyce, 100 Kenoza Ave., Haverhill, Mass. Group 32—71. Reg. No. 5,873.

Pat. 2,412,757. TOOL HOLDING MEANS FOR AUTOMATIC SCREW MACHINES. Patented Dec. 17, 1946. A holding device for use with an automatic screw machine. May be applied to either the front or back slide of machine. The tool may be passed over or under the spindle which may run either forwardly or backwardly. Comprised of upper and lower tool holding members movably connected at their centers. A rotative bearing member on each tool holding member has threaded engagement with each screw member. By partial turning of the screw bolts the work supporting blocks may be quickly interchanged. (Owner) John R. Smith, 467 North East 107th St., Miami Shores, Fla. Groups 33—95; 35—41. Reg. No. 5,874.

Pat. 2,206,220. SHIELD FOR RADIATORS. Patented July 2, 1940. A cover for a radiator which provides effective heating and protects walls from dirt and purifies atmosphere in the room. Comprises a metallic frame with an opening covered with an outer air pervious metal screen of coarse mesh. An inner air pervious screen of finer mesh is coated with a dust-catching material. (Owner) Robert E. Burk, Beaver Valley Road, Wilmington, Del. Group 34—95. Reg. No. 5,875.

Pat. 2,414,725. HITCH RELEASE. Patented Jan. 21, 1947. A hitch release for tractors. Provides a quick release without driver leaving seat of tractor. Consists of a pair of side plates with a latch member pivotally mounted between said plates. The bifurcated end of tongue slides between the plates and is secured by the latch member. A rope secured to end of lever is trained over a sheave and leads to seat of tractor. When rope is drawn forward it will pull lever against spring mounted between cross plates, release the latch, letting go of tongue and separating tractor from trailer. (Owner) Joseph D. Dunn, R. R. #2, Assumption, Ill. Group 35—21. Reg. No. 5,876.

Pat. 2,305,049. GEARSHIFT INDICATOR. Patented Nov. 24, 1942. This invention relates to a means for indicating the position of the gearshift of an automobile. Attached to direction signal housing on steering column. Provided with an indicator opening for each setting of gears. Letters L and R on disks indicate position of gear. A shutter slidably supported within housing covers openings when in normal position. Shutter is moved to uncover one opening when lever is shifted to low gear and for moving shutter in opposite direction to uncover the other opening when lever is shifted to reverse position. (Owner) Harry J. Ingalls. Address correspondence to Robert L. Rockwell, 1504–5 Smith Tower, Seattle 4, Wash. Group 38—31. Reg. No. 5,877.

Pat. 2,398,518. PESSARY. Patented Apr. 16, 1946. A device for treating congestion and malpositions of the womb. The metallic parts of the device are housed in flexible rubber to follow the cavity of the organ without causing pressure, nervousness, etc. Includes a flexible shank bifurcated near one end with a V-shaped steel spring within and secured to a link chain embedded in shank. A canal expander larger in diameter than the shank moves from side to side during use. Adjustable to the requirements of user. (Owner) George A. Clark, Elwood, Nebr. Group 39—15. Reg. No. 5,878.

Pat. 2,393,635. ICE REMOVING DEVICE FOR AIRCRAFT. Patented Jan. 29, 1946. A manually or automatically controlled detachable deicing boot for airplanes. May be applied to any or all surfaces of the plane and includes both the structures for heating and melting the ice. Comprises a pair of joined flexible walls forming an expansible member with a number of heating elements in outer walls. An indicating meter is provided so operator will know the temperature of wing surfaces at all times. The intermittent air pressure may be supplied by a motor and controlled by valves leading to the various boots. The electric current is provided by a propeller driven generator. (Co-owner) Robert H. Wendt, Suite 800, The Tower Building, 6 North Michigan Ave., Chicago 2, Ill. Group 37—21. Reg. No. 5,879.

Des. 146,029. DESIGN FOR A JUVENILE VEHICLE. Patented Dec. 10, 1946. (Owner) Booker T. Johnson, 1821 North Taylor St., Philadelphia, Pa. Group 39—43. Reg. No. 5,880.

Pat. 2,261,819. PANTS HANGER. Patented Nov. 4, 1941. A trousers hanger made from a single piece of spring wire. Fits all trousers—no adjustments necessary. Comprises upright members suspended by the usual hook. The ends of upright members are bent outwardly to form a pair of

arms. The end of each arm is bent to form a pair of downwardly diverging prongs. The bottom of the trousers are suspended from and held by the prongs. Inexpensive to manufacture. (Owner) Leon H. Zeuthen, 3241 Portland Ave., Minneapolis 7, Minn. Groups 33—49; 40. Reg. No. 5,881.

Pat. 2,231,909. SPRING HINGE. Patented Feb. 18, 1941. Groups 25—54; 33—59; 39—72. Reg. No. 5,882.

Pat. 2,318,608. BOX AND HINGE STRUCTURE. Patented May 11, 1943. Groups 25—54; 33—59; 39—72. Reg. No. 5,883.

The two patents listed above relate to a hinge for a box cover. A pair of pivotally connected leaves fit in recesses in rear walls of box and cover. Anchoring portions on outer edges have ends which terminate in wedging lugs for pressing against end walls of recesses. A pivoting pin connects leaves and an arcuate spring fits in slots in center of leaves. (Owner) Gorham Manufacturing Company, Providence, R. I.

Pat. 2,095,377. HYGIENIC DEVICE. Patented Oct. 12, 1937. A conical-shaped hygienic tampon. Formed by rolling a sterilized absorbent material with one or more moistureproof walls to desired shape. The surface is coated with a substance to hold material together but which will dissolve at body temperature. A drawstring is provided for easy removal. (Owner) Paula A. M. Breese, 810 South Orange Ave., Sarasota, Fla. Group 39—16. Reg. No. 5,884.

Pat. 2,270,436. PRINTING ROLLER. Patented Jan. 20, 1942. A roller for a small sized printing press. Comprises a roller with a central shaft having a cylindrically-shaped drum revolvably mounted thereon. The ends of drum are closed by removable ends connected to the central body portion. A pair of bearing units are mounted on shaft and the outer ring of each unit clamped between flange of one drum end and body. A cast-on composition covers the exterior surfaces of cylinder and end members and secures them together so the journal ends are not exposed to wear. There is no possibility of endwise movement between cylinder and shaft, therefore roller functions exactly. Readily assembled and disassembled by unscrewing end cap to strip ball bearing unit from shaft. (Limited to press manufacturers only.) (Owner) William C. Hart, 137 Greene St., New York 12, N. Y. Group 35—55. Reg. No. 5,885.

Pat. 2,413,466. TORQUE-RESPONSIVE CLUTCH. Patented Dec. 31, 1946. A clutch mechanism for a washing machine. The increased torque on the driving element causes the two clutch elements to be bound tighter together so clutch will not slip. Comprises a continuously rotatable driving member with a driven shaft extending loosely therethrough and a hollow clutch shaft rotatable about driven shaft. A notched coupling with pins engageable in slots of upper and lower coupling members locks coupling against rotation so increased strain upon driven shaft will exert a greater clutching force between driving member and driven shaft. (Co-owner) Milton A. Bissell, Route 7, Box 1022, Phoenix, Ariz. Group 35—66—81. Reg. No. 5,886.

Pat. 2,039,184. REVERSIBLE MOTOR. Patented Apr. 28, 1936. This motor is provided with a simplified cam mechanism which permits an internal combustion engine to be operated in either a clock-wise or counter-clock-wise direction, as desired. This permits the crankshaft of a marine engine to be coupled directly to the propeller without the necessity of a reverse gear or clutch mechanism. The change of valve timing for both directions of engine rotation is entirely automatic, and requires only the turning of the flywheel in the desired direction, either manually or through starting mechanism. There are no levers, gears or other mechanism to be moved or changed. The invention may be incorporated in engines with but little if any additional cost. (Owner) Charles H. Palmer, Box 243, Urbanna, Va. Groups 35—19; 37—32. Reg. No. 5,887.

Pat. 2,409,555. PISTON ENGINE. Patented Oct. 15, 1946. In this engine the pistons and cylinders are of elongated or oblong cross section so that weight and size of the motor is substantially reduced. The reduction in length of the cylinder block of this engine as compared with other engines having the same number of cylinders is in the order of about 30% while the surface area of the pistons remains the same in both cases. Each piston is provided with a plurality of superposed packing rings which are urged outwardly by springs. (Owners) Eugène Marius Gadoux and Jacques Fouré, 63 Avenue Raymond Poincaré, Paris, France. Groups 35—69; 37—22; 38—31. Reg. No. 5,888.

Pat. 2,348,878. CENTER LOCATING DEVICE. Patented May 16, 1944. A device for locating the center of shafts and other structures of any cross sectional shape. Comprises a pair of right angle square members each having a pair of slotted arms disposed at a 90° angle to each other. Graduations are provided along one or both of the arms. Attached to a connector bar and an elongated beam which projects at 45° from the juncture of the arms. (Owner) George L. Behen, 228 Third St., Arvada, Colo. Group 35—65. Reg. No. 5,889.

Pat. 2,412,009. APPARATUS FOR HANDLING VEHICLES. Patented Dec. 3, 1946. This invention relates to a device for handling vehicles in a parking structure. A central shaft supports a conveyor operated by reversible motors and has a series of compartments on each side. The platforms of compartments and conveyor are all interchangeable and provided with two sets of rollers. A transfer shaft accessible to any of the platforms is moved by conveyor into alignment with the compartments. As the platform moves upwardly it pushes aside the upper rollers against pressure of springs. When it reaches its uppermost position the upper rollers and frames are swung inwards and the rollers assume normal position. The motor is now operated to permit the platform to rest on the rollers and ready for entry of a car. (Owner) Martin Rickland, Sunnyside, Parktown, Johannesburg, South Africa. Group 35—62. Reg. No. 5,890.

Pat. 2,048,630. FIRE ALARM. Patented July 21, 1936. This patent provides a self-contained fire alarm adapted to be screwed into the electric light socket of a standard lighting system. It requires no wiring. It consists of a bell or buzzer and a bimetal thermostat fire detector. The owner states that it can be made cheaply for home use, or large models can be made for industrial use, and that it has been manufactured and marketed on a small scale. Test data and model available. (Owner) Mrs. G. Howlett Davis. Address correspondence to Austin W. Day, 4821 Rhode Island Ave., Hyattsville, Md. Group 36—62. Reg. No. 5,891.

Pat. 2,101,637. MULTIPLE ACTION THERMOSTAT. Patented Dec. 7, 1937. This patent provides an automatic bimetal thermostat with a quick rate of rise feature for rapid fire detecting. It may be used to set off alarms, open valves for sprinkler systems, etc. According to the owner it has been tested and approved, and it is now used on ocean liners for fire detection. Test data and model are available. (Owner) Mrs. G. Howlett Davis. Address correspondence to Austin W. Day, 4821 Rhode Island Ave., Hyattsville, Md. Group 36—62. Reg. No. 5,892.

Des. 117,868. MAKE-UP SHIELD OR SIMILAR ARTICLE. Patented Nov. 28, 1939. A shield to be worn over the neck to prevent creams and oils from soiling clothing, bedding, furniture, etc. It may be made of plastic material. (Owner) Eileen Hicks, 3706 Mount Vernon Ave., Alexandria, Va. Groups 28—83; 39—91. Reg. No. 5,893.

Pat. 2,415,725. SUSPENDER. Patented Feb. 11, 1947. These suspenders are worn under the usual shirt so that they are "invisible." The conventional straps carry spacers (made of a semi-rigid material) which hold the shirt slightly away from the body to provide ventilation. When the ends of the suspender tabs are secured to the trouser buttons (provided for that purpose) portions of the shirt overlying the buttons are gripped between the buttons and the tabs. (Owner) Marvin S. Berry, 429 North Olive Ave., Fayetteville, Ark. Group 23—84. Reg. No. 5,894.

Government Owned Patent

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing upon a non-exclusive, royalty-free basis:

Pat. 2,414,118. SYNTHESIS OF FLUORENE AND ITS DERIVATIVES. Patented Jan. 14, 1947. (Granted under the act of March 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757.) A process for the production of fluorene and its derivatives. Comprises passing vaporized methylbiphenyl at a temperature of about 450 degrees over an asbestos-supported palladium-charcoal catalyst. The formed 4-methylfluorene is absorbed on activated alumina. This is extracted with a solvent. The 4-methylfluorene is recovered by evaporative crystallization. Two examples showing how invention may be carried out are given in patent. Group 22—80. Reg. No. 5,895.

Regulations under which licenses are granted are issued by the Secretary of the Interior. Applications for licenses should be made to the Solicitor, Department of the Interior, Washington 25, D. C.

RULES OF PRACTICE IN TRADE-MARK CASES

The following rules governing the registration of trade-marks and other marks in the Patent Office, and other proceedings in the Patent Office relating to marks, have been adopted and promulgated under the authority of the Trade-Mark Act of 1946, effective July 5, 1947, and other authority, after publication of proposed rules and a hearing, and consideration of all material and arguments submitted.

[1] In the Federal Register and in the Code of Federal Regulations these rules are Part 100 of Title 37 and the individual rules, there called sections, are numbered with 100 prefixed to the numbers here used, with the decimal point following the 100.

In view of the novelty of many of the provisions of the Trade-Mark Act of 1946, it is recognized that changes may be required in these rules from time to time. It is respectfully requested that practitioners working under these rules promptly inform the Patent Office of any proposed changes that appear to be desirable.

These rules were published in the Federal Register for June 19, 1947.[1]

CASPER W. OOMS,
Commissioner of Patents.

1. General Information
- 1.1 All communications to be addressed to Commissioner of Patents
- 1.2 Business to be transacted in writing
- 1.3 Business to be conducted with decorum and courtesy
- 1.4 Separate letters
- 1.5 Identification of pending application or registered mark
- 1.6 Times for taking action expiring on Sunday or holiday
- 1.7 Inquiries

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- 2.1 Fees and charges
- 2.2 Method of payment
- 2.3 Refunds

3. Records and Publications of the Patent Office
- 3.1 Printed copies of registered marks available
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- 3.4 Certified copies
- 3.5 Official Gazette
- 3.6 Annual trade-mark index
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4. Attorneys and Representation by Attorneys
- 4.1 Applicants may be represented by an attorney
- 4.2 Persons who may practice before the Patent Office in trade-mark cases
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- 4.4 Advertising
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- 6.7 Application confidential prior to publication

7. The Written Application
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- 9.4 Informal drawings
- 9.5 Patent Office may make drawings

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- 10.3 Specimens or facsimiles in the case of a service mark

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- 12.4 Final action
- 12.5 Abandonment
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- 13.2 Amendments to description or drawing
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- 13.4 Form of amendment
- 13.5 Amendment to change application to different register

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- 16.3 Original application must be limited to goods or services comprised in a single class
- 16.4 Applications may be combined

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- 18.1 Contested or inter partes proceedings

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- 19.6 Burden of proof
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- 20.4 Contents of notice of opposition
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21. Cancellation
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- 24.2 Final hearing
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1. GENERAL INFORMATION

1.1 **All communications to be addressed to Commissioner of Patents.** All letters should be addressed to "The Commissioner of Patents, Washington 25, D. C."

1.2 **Business to be transacted in writing.** All business with the Patent Office should be transacted in writing. Personal appearance is unnecessary. The action of the Office will be based exclusively on the written record. No recognition will be given to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

1.3 **Business to be conducted with decorum and courtesy.** Applicants and their representatives will be required to conduct their business with the Patent Office with decorum and courtesy. Papers presented in violation of this requirement will be submitted to the Commissioner and will be returned by his direct order. Complaints against Examiners and other employees must be made in communications separate from other papers.

1.4 **Separate letters.** A separate letter should, in every instance, be written in relation to each distinct subject of inquiry.

1.5 **Identification of pending application or registered mark.** A letter relating to a pending application should identify it by the name of the applicant and the serial number and filing date of the application. A letter relating to a registered trade-mark should identify it by the name of the registrant and by the number and date of the certificate.

1.6 **Times for taking action expiring on Sunday or holiday.** Where the last day for taking any action falls on Sunday or on a holiday within the District of Columbia, the action may be taken on the next succeeding secular or business day.

1.7 **Inquiries.** The Patent Office cannot undertake to respond to inquiries whether certain trade-marks have been registered, or, if so, to whom, or for what goods; nor can it give legal advice or advice as to the registrability of a specified mark or the nature and extent of the protection afforded by the law, except as questions may arise in connection with pending applications. Information of a general nature may be furnished either by answering the inquiry or by providing or calling attention to an appropriate publication.

2. FEES AND PAYMENT OF MONEY

2.1 **Fees and charges.** The following is the schedule of fees and charges to be paid to the Patent Office:

(*a*) On filing each original application for registration of a mark in each class on either the Principal or the Supplemental Register	$25.00
(*b*) On filing each application for renewal in each class	25.00
(*c*) On filing each application for renewal in each class after expiration of the registration, additional	5.00
(*d*) On filing notice of claim of benefits of the act of 1946 for a mark to be published under section 12 (c) thereof	10.00
(*e*) On filing notice of opposition or petition for cancellation	25.00
(*f*) On appeal from the Examiner of Trade-Marks to the Commissioner	25.00
(*g*) On appeal from the Examiner of Interferences to the Commissioner	25.00
(*h*) For issuance of a new certificate of registration following change of ownership of a mark or correction of a registrant's mistake	10.00
(*i*) For certificate of correction of registrant's mistake	10.00
(*j*) For filing disclaimer, amendment, surrender, or cancellation after registration	10.00
(*k*) For manuscript copies, for every one hundred words or fraction thereof	.10
(*l*) For comparing other copies, for every one hundred words or fraction thereof	.05
(*m*) For certification of copies in any case, additional	1.00
(*n*) For each additional registration or application which may be included under a single certification, additional	.50

(*o*) For recording every assignment or other paper not exceeding six pages	3.00
For each additional two pages or less	1.00
For each additional registration or application included, or involved in one writing, where more than one is so included or involved, additional	.50
(*p*) For abstracts of title:	
For the search, one hour or less, and certificate	3.00
Each additional hour or fraction thereof	1.50
For each brief from the digest of assignments of two hundred words or less	1.00
(*q*) For title reports required for Office use	1.00
(*r*) For a single printed copy of statement and drawing	.10
(*s*) For certificate that trade-mark has not been registered, search and certificate (for deposit in foreign countries only)	3.00
(*t*) For certified copies of certificates of registration:	
For each copy of printed statement and drawing	.10
For each grant (certificate of registration)	1.00
For the certification	1.00
For each additional registration which may be included under a single certification, additional	.50
If renewed, for copy of each certificate of renewal	1.00
(*u*) For photostat copies of records and papers, per sheet	.20
(*v*) For photoprints of drawing	.20
(*w*) For making drawings, when they can be made by the Patent Office, the cost of making the same, minimum charge	5.00
(*x*) For correcting drawings, 20 cents for photoprint of uncorrected drawing, and the cost of making correction, minimum charge for making the correction	1.00

2.2 **Method of payment.** All payments of money required for Patent Office fees must be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or certified checks. Money orders and certified checks must be made payable to the Commissioner of Patents. If sent in any other form the Office may delay the credit until collection is made. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

2.3 **Refunds.** Money paid by actual mistake or in excess, such as a payment not required by law, will be refunded, but a mere change of purpose after the payment of money, as when a party desires to withdraw his application for the registration of a mark or to withdraw an appeal, will not entitle a party to demand such a return. Amounts of ten cents or less will not be returned unless specifically demanded, nor will the payer be notified of such amount; amounts over ten cents but less than one dollar may be returned in postage stamps, and other amounts by check.

3. RECORDS AND PUBLICATIONS OF THE PATENT OFFICE

3.1 **Printed copies of registered marks available.** After a mark has been registered, printed copies of the statement, with a copy of the drawing, will be furnished by the Patent Office upon the payment of the fee therefor.

3.2 **Registration files open to public inspection.** After a mark has been registered, or published for opposition, the file of the application and all proceedings relating thereto are available for public inspection and copies of the papers may be furnished upon paying the fee therefor.

3.3 **Assignment records open to public inspection.** The assignment records are open to public inspection and copies of any assignment recorded may be obtained upon payment of the fee therefor. An order for a copy of an assignment should give the liber and page of the record. If identified only by the name of the applicant and serial number, or by the name of the registrant and registration number, an extra charge will be made for the time consumed in making a search for such assignment.

3.4 **Certified copies.** Copies of records, books, papers, or drawings belonging to the Patent Office relating to marks and copies of certificates of registration, authenticated by the seal of the Patent Office and certified by the Commissioner, or in his name by a chief of division duly designated by the Commissioner, will be furnished by the Patent Office to any person entitled thereto upon payment of the fee for the copies and for the authentication certificate.

3.5 **Official Gazette.** The Official Gazette of the United States Patent Office is published weekly and contains, in addition to the material relating to patents, information relating to trade-marks, including the text or digest of opinions in trade-mark cases. It includes:

(*a*) A list of marks published for opposition, with a reproduction of and information concerning each mark.

(*b*) A list of marks registered on the Principal Register and under the act of 1905.

(*c*) A list of registrations cancelled.

(*d*) A list of marks registered on the Supplemental Register and under the act of 1920, with a reproduction of and information concerning each mark.

(*e*) A list of registrations renewed.

(*f*) A list of marks republished under section 12 (c) of the Trade-Mark Act of 1946, with a reproduction of each mark.

(*g*) A list of registrations amended, surrendered, disclaimed, or corrected in accordance with section 7 (*d*), (*f*) and (*g*) of the act with a statement of any change in the registration.

Single copies and subscriptions are sold by the Superintendent of Documents, Government Printing Office, Washington, D. C. Part of the

trade-mark material is reprinted separately in a trade-mark leaflet which may be purchased or subscribed to separately.

3.6 **Annual trade-mark index.** An annual index of trade-marks registered is published, and sold by the Superintendent of Documents.

3.7 **Pamphlet of trade-mark laws and rules.** Pamphlet copies of trade-mark laws and rules, and of general information concerning trade-marks, are furnished without charge by the Patent Office.

4. ATTORNEYS AND REPRESENTATION BY ATTORNEYS

4.1 **Applicants may be represented by an attorney.** The owner of a trade-mark may file and prosecute his own application for registration of such trade-mark, or he may be represented by an attorney or other person authorized to practice in trade-mark cases. The Patent Office cannot aid in the selection of an attorney or agent.

4.2 **Persons who may practice before the Patent Office in trade-mark cases.** Attorneys at law in good standing admitted to practice before the Supreme Court of the United States, the United States Court of Customs and Patent Appeals, or the highest court of any State or Territory of the United States or of the District of Columbia, and persons registered to practice in the United States Patent Office in patent cases (Patent Rule 17) may practice before the Patent Office in trade-mark cases.

Attorneys at law. No register of attorneys who may practice before the Patent Office in trade-mark cases is maintained, and no application by an attorney at law for admission to practice is required. A statement in the power of attorney, or in an accompanying paper, of the bar to which the attorney at law is admitted is required, and recognition is limited to each case.

Attorneys and agents registered at the Patent Office. Persons or firms, including attorneys at law, who are registered to practice before the Patent Office need only specify the registration number in the power of attorney.

Special recognition. No persons other than those hereinabove mentioned will be permitted to practice before the Patent Office in trade-mark cases unless specially and formally recognized by the Commissioner of Patents, but any person may appear for himself in a proceeding to which he is a party, or for a firm of which he is a member, or for a corporation or association of which he is an officer and which he is authorized to represent, if such firm, corporation, or association is a party to the proceeding.

Refusal of recognition for cause. Persons entitled to be recognized under this rule may, nevertheless, be refused recognition for cause.

4.3 **Professional conduct.** Attorneys at law and other persons appearing before the Patent Office in trade-mark cases must conform to the standards of ethical and professional conduct generally applicable to attorneys before the courts.

4.4 **Advertising.** The use of display advertising, circulars, letters, cards, and similar material to solicit trade-mark business, directly or indirectly, is forbidden as unprofessional conduct, and any person engaging in such solicitation, or associated with or employed by others who so solicit, shall be refused recognition to practice before the Patent Office or suspended or excluded from further practice.

The use of simple professional letterheads, calling cards, or office signs; simple announcements necessitated by opening an office, change of association, or change of address, distributed to clients and friends, and insertion of professional cards, listings in common form (not display) in a classified telephone or city directory, and listings and professional cards with biographical data in standard professional directories are not prohibited.

(This rule does not come into effect until Jan. 1, 1948, and until that date old trade-mark Rule 11 is still in force.)

4.5 **Signature and certificate of attorney.** Every paper filed by an attorney at law or other recognized person representing an applicant or party to a trade-mark proceeding in the Patent Office must be signed by such attorney or person, except papers which are required to be signed by the applicant or party (such as the application itself and affidavits required of applicants or registrants). When an applicant or party is represented by a firm such papers must carry the signature of an individual member of the firm in addition to the firm name. The signature of an attorney at law or other person to a paper filed by him, or the filing of any paper by him, constitutes a certificate by him that he has read the paper; that he is authorized to file it; that to the best of his knowledge, information, and belief it is well founded in law and fact; and that it is not interposed for delay.

4.6 **Suspension or exclusion from practice.** The Commissioner of Patents may, after notice and opportunity for a hearing, suspend or exclude, either generally or in any particular case, from further practice before the Patent Office any person, attorney, or agent shown to be incompetent or disreputable, or guilty of unethical or unprofessional conduct or gross misconduct, or who refuses to comply with the rules and regulations, or who shall, with intent to defraud in any manner, deceive, mislead, or threaten any applicant or prospective applicant or other person having immediate or prospective business before the Patent Office, by word, circular, letter, or in any other manner. The reasons for any such suspension or exclusion shall be duly recorded.

(See R. S. 487; 35 U.S.C. 11 for review of the Commissioner's action by the District Court of the United States for the District of Columbia.)

4.7 **Power of attorney or authorization.** Before any attorney at law or other recognized person will be allowed to take action in any case or proceeding, a written power of attorney or authorization must be filed in that particular case or proceeding.

A substitute or associate attorney may be appointed by an attorney only upon the written authorization of his principal; but a third attorney appointed by the second will not be recognized.

4.8 **Correspondence held with attorney.** When an attorney or other recognized person shall have filed his power of attorney or authorization, duly executed, the correspondence will be held with him. Double correspondence with an applicant and his attorney, or with two attorneys, will not be undertaken. If more than one attorney be appointed, correspondence will be held with the one last appointed unless otherwise requested.

4.9 **Revocation of power of attorney.** A power of attorney or authorization may be revoked at any stage in the proceedings of a case upon notification to the Commissioner; and, when it is so revoked, the Office will communicate directly with the applicant or with such other attorney as he may appoint. An attorney or agent will be notified of the revocation of his power of attorney or authorization.

6. APPLICATION FOR REGISTRATION

6.1 **Parts of application.** A complete application for registration comprises:

(*a*) A written application (see Rules 7.1 to 8.8);
(*b*) A drawing of the mark (see Rules 9.1 to 9.5);
(*c*) Five specimens or facsimiles (see Rules 10.1 to 10.3);
(*d*) The required filing fee (see Rule 2.1 (*a*));
(*e*) A certified copy of the registration in the country of origin if the application is based on such foreign registration pursuant to section 44 (*e*) of the act (see Rule 7.9).

6.2 **Application must be complete to receive filing date.** An application will not be accepted and filed for examination unless all the required parts specified in Rule 6.1, complying with the rules and regulations relating thereto, are received, but minor informalities may be waived subject to subsequent correction. If the papers and parts are incomplete or so defective that they cannot be accepted as a complete application, the applicant will be notified and the papers and fee held six months for completion if possible, return to the applicant, or other disposition. If not completed in six months, a new application must thereafter be filed. The drawing, specimens, or fee of an unaccepted application may be applied to a later application.

6.3 **Serial number and filing date.** Complete applications will be numbered as received, and the applicant will be informed of the serial number and filing date of the application. The filing date of the application is the date on which the complete application is received in the Patent Office in acceptable form.

6.4 **Designation of representative by foreign applicant.** If the applicant is not domiciled in the United States, he must designate by a written document filed in the Patent Office the name and address of some person resident in the United States on whom may be served notices or process in proceedings affecting the mark and to whom all official communications will be addressed unless the applicant is represented by an attorney or other recognized person. If this document does not accompany or form part of the application, it will be required and registration refused unless it is supplied.

6.5 **Papers not returnable.** After acceptance of the application the papers will not be returned for any purpose whatever. If the applicant has not preserved copies of the papers the Office will furnish them on the usual terms.

6.6 **Use of old drawing in new application.** In an application filed in place of an abandoned or rejected application, or in an application for reregistration (Rule 31.1), a new complete application is required, but the old drawing, if suitable, may be used. The application must be accompanied by a request for the transfer of the drawing, and by a permanent photographic copy, or an order for such copy, of the drawing to be placed in the original file. A drawing so transferred, or to be transferred, cannot be amended.

6.7 **Application confidential prior to publication.** No information respecting the filing of an application for the registration of a trade-mark, or the subject matter thereof will be given, prior to publication under Rule 15.1, without authority of the applicant, unless it shall, in the opinion of the Commissioner, be necessary to the proper conduct of business before the Patent Office. Decisions of the Commissioner in applications and proceedings relating thereto are published or available for inspection or publication.

7. THE WRITTEN APPLICATION

7.1 **Application must be in English.** The written application must be in the English language and plainly written on but one side of the paper. Legal size paper, typewritten double spaced, with at least a one and one-half inch margin on the left-hand side and top of the page, is deemed preferable.

7.2 **Application to be signed and sworn to by applicant.** The written application must be made to the Commissioner of Patents and must be signed and verified (sworn to) by the applicant or by a member of the firm or an officer of the corporation or association applying.

Re-executed papers may be required when the application has not been filed in the Patent Office within a reasonable time after the date of execution.

7.3 **Requirements for application—Statement.** The written application shall include a request for registration and shall specify:

(*a*) The name of the applicant;
(*b*) The citizenship of the applicant; if the applicant be a partnership, the names and citizenship of the general partners or, if the applicant be a corporation or association, the state or nation under the laws of which organized;
(*c*) The domicile and post office address of the applicant;
(*d*) That the applicant has adopted and is using the mark shown in the accompanying drawing;
(*e*) The particular description of goods on or in connection with which the mark is used;
(*f*) The class of merchandise according to the official classification (if the number and title of the class are not known to the applicant, they may be left blank, in which case they will be filled in by the Patent Office and applicant informed thereof);
(*g*) The date of applicant's first use of the mark as a trade-mark on or in connection with goods specified in the application;
(*h*) The date of applicant's first use of the mark as a trade-mark on or in connection with goods specified in the application in commerce which may lawfully be regulated by Congress, specifying the nature of such commerce;

(*i*) The mode or manner in which the mark is used on or in connection with the particular goods specified.

This part of the written application is called the statement.

7.4 **Requirements for application—Declaration.** The written application must also include averments to the effect that the applicant or other person making the verification believes himself or the firm, corporation, or association in whose behalf he makes the verification to be the owner of the mark sought to be registered; that the mark is in use in commerce which may lawfully be regulated by Congress, specifying the nature of such commerce; that no other person, firm, corporation, or association, to the best of his knowledge and belief, has the right to use such mark in commerce, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the mark sought to be registered; that the specimens or facsimiles show the mark as actually used in connection with the goods; and that the facts set forth in the statement are true.

This part of the written application is called the declaration.

7.5 **Description of mark.** A description of the mark, which must be acceptable to the Examiner of Trade-Marks, may be included in the statement, and must be included if required by the Examiner.

7.6 **Identification of prior registrations.** Prior registrations of the same or similar marks owned by the applicant should be identified in the written application.

7.7 **Power of attorney, domestic representative.** The power of attorney or authorization of agent (Rule 4.7) and the appointment of a domestic representative (Rule 6.4) may be included as a paragraph or paragraphs in the written application.

7.8 **Use by predecessor or by related companies.** If the first use, the date of which is required by paragraph (*g*) or (*h*) of Rule 7.3, was by a predecessor in title, or by a related company (sections 5 and 45 of the act), and such use inures to the benefit of the applicant, the date of such first use may be asserted with a statement that such first use was by the predecessor in title or by the related company as the case may be. The Office may require further details and additional proof showing that such use inures to the benefit of the applicant.

Where the mark sought to be registered is legitimately used by one or more related companies at the time of the filing of the application, the declaration (Rule 7.4) must recite exceptions to the averment of the exclusive right to use the mark, stating the nature of such related companies and, if practicable, the names and addresses.

7.9 **Omission of allegation of use by foreign applicants.** The allegation that the mark is in use in commerce which may lawfully be regulated by Congress, required by Rule 7.4, and the statements of the dates of the applicant's first use, required by Rule 7.3(*g*) and (*h*), may be omitted in the case of an application, filed pursuant to section 44(*e*) of the act, for registration of a mark duly registered in the country of origin of a foreign applicant, provided the application when filed is accompanied by a certified copy of the registration in the country of origin and said registration is then in full force and effect. A sworn translation of the registration, if not in the English language, may be required after the application is filed.

Such allegation and statment may also be omitted in the case of an application claiming the benefit of a prior foreign application in accordance with section 44(*d*) of the act, provided that the application states the date and country of the first foreign application and a certified copy of the foreign application and a sworn translation of the same, if not in the English language, are filed before the registration is granted, but the registration will not be granted until the mark has been registered in the country of origin of the applicant.

In such cases the description of goods or services shall not exceed the scope of that covered by the foreign registration or application.

8. THE WRITTEN APPLICATION (continued)

8.1 **Proof of distinctiveness under section 2 (*f*).** When registration is sought under section 2 (*f*) of the act and the claim of distinctiveness is based on substantially exclusive and c ontinuous use of the mark by the applicant for a period of five years preceding the filing of the application in commerce which may lawfully be regulated by Congress, the written application shall include in the declaration a statement to that effect; but proof of such exclusive and continuous use and further evidence showing that the mark has become distinctive may be required.

If the allegation of distinctiveness is not based on substantially exclusive use over a five-year period, as specified in the preceding paragraph, but is based on other facts and circumstances, proof of distinctiveness must be submitted separately and should accompany the application.

8.2 **Concurrent use.** In the case of an application claiming concurrent use, the applicant shall also specify in the statement any concurrent use by others, designating their names, addresses, and registrations or applications, if any, the goods in connection with which and the areas in which such concurrent use exists, the mode of such use, the periods of such use, and the goods, area, or mode of use for which the applicant desires registration; and the claim of exclusive use made in the declaration shall be made with the stated exceptions.

8.3 **Service mark.** In the case of an application for the registration of a service mark, the written application shall specify and contain all the elements required by the preceding rules for trade-marks, but shall be modified to relate to services instead of to goods wherever necessary.

8.4 **Collective mark.** In the case of an application for registration of a collective mark, the written application shall specify and contain all applicable elements required by the preceding rules for trade-marks, but shall, in addition, specify the class of persons entitled to use the mark, indicating their relationship to the owner of the mark, and the nature of the owner's control over the use of the mark.

8.5 **Certification mark.** In the case of an application for registration of a certification mark, the written application shall specify and contain all applicable elements required by the preceding rules for trade-marks. It shall, in addition, specify the manner in which and the conditions under which the certification mark is used; it shall allege that the applicant exercises legitimate control over the use of the mark and that he is not himself engaged in the production or marketing of the goods or services to which the mark is applied.

8.6 **Principal Register.** All applications will be treated as seeking registration on the Principal Register unless otherwise stated in the application. Service marks, collective marks, and certification marks, registrable in accordance with the applicable provisions of section 2 of the act, are registered on the Principal Register.

8.7 **Supplemental Register.** In the case of an application for registration on the Supplemental Register, the written application shall so indicate and shall specify that the mark has been in continuous use in commerce which may lawfully be regulated by Congress, specifying the nature of such commerce, by the applicant for the preceding year, if the application is based on such use. The showing required for waiver of the requirement for a full year's use must be separate from the written application.

8.8 **Applicant's name.** The signature to the application must be the correct name of the applicant, since the name will appear in the certificate of registration precisely as it is signed to the application. The name of the applicant, wherever it appears in the papers of the application, will be made to agree with the name as signed.

9. DRAWING

9.1 **Drawing required.** The drawing of the trade-mark shall be a substantially exact representation thereof as actually used on or in connection with the goods.

The drawing of a service mark shall be a substantially exact representation of the mark as used in the sale or advertising of the services. The drawing of a service mark may be dispensed with in the case of a mark not capable of representation by a drawing, but in any such case the written application must contain an adequate description.

In the case of an application for registration on the Supplemental Register, the drawing, when appropriate and necessary (section 23, third paragraph, of the act), may be the drawing of a package or configuration of goods.

9.2 **Requirements for drawings.**

(*a*) *Paper and ink.* The drawing must be made upon pure white paper of a thickness corresponding to two- or three-ply Bristol board. The surface of the paper must be calendered and smooth. India ink alone must be used for pen drawings to secure perfectly black solid lines. The use of white pigment to cover lines is not acceptable.

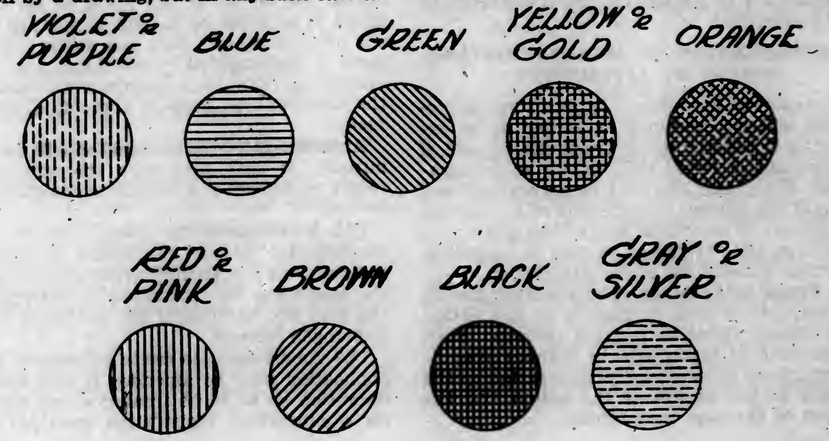
(*b*) *Size of sheets and margins.* The size of a sheet on which a drawing is made must be exactly 8 by 13 inches. Three-fourths of an inch from its edges, a single marginal line should be drawn, leaving the "sight" precisely 6½ by 11½ inches. All work must be included within this margin. One of the shorter sides of the sheet should be regarded as its top. When the view is longer than the width of the sheet, the sheet should be turned on its side with the top at the right.

(*c*) *Character of lines.* All drawings must be made with the pen or by a process which will give them satisfactory reproduction characteristics. Every line and letter, names included, must be black. This direction applies to all lines, however fine, and to shading. All lines must be clean, sharp, and solid, and they must not be too fine or crowded. Surface shading, when used, should be open.

(*d*) *Applicant's name.* The name of the applicant for registration must be written or printed within the marginal lines in the lower right-hand corner of the sheet, but in no instance should it encroach upon the drawing.

(*e*) *Extraneous matter.* An agent's or attorney's name, stamp, or address or other extraneous matter should not appear upon the face of a drawing, within or without the marginal line.

(*f*) *Linings for color.* Where color is a material feature of a mark as used, the color or colors employed should, if feasible, be illustrated in the drawing by means of the conventional linings as shown in the following color chart for draftsmen:



9.3 **Transmission of drawings.** Drawings transmitted to the Patent Office should be sent flat, protected by a sheet of heavy binder's board, or should be rolled for transmission in a suitable mailing tube to prevent mutilation. They should never be folded.

9.4 **Informal drawings.** A drawing not executed in conformity with the foregoing rules may be accepted for purpose of examination, but the drawing must be corrected or a new one furnished, as required, before the mark can be published or the application allowed. The necessary corrections will be made by the Patent Office upon applicant's request and at his expense. Substitute drawings will not be accepted unless they have been required by the Examiner or correction of the original drawing would require that the mark be substantially entirely redrawn.

9.5 **Patent Office may make drawings.** The Patent Office, at the request of applicants and at their expense, will make drawings if facilities permit.

10. SPECIMENS

10.1 **Specimens.** The five specimens of a trade-mark shall be specimens of the trade-mark as actually used on or in connection with the goods in commerce, and shall be duplicates of the actually used labels, tags, or containers, or the displays associated therewith or portions thereof, when made of suitable material and capable of being arranged flat and of a size not larger than the size of the drawing.

10.2 **Facsimiles.** When, from the mode of applying or affixing the trade-mark to the goods, or from the manner of using the mark on the goods, or from the nature of the mark, specimens as above stated cannot be furnished, five copies of a suitable photograph or other acceptable reproduction, not larger than the size specified for the drawing and clearly and legibly showing the mark and all matter used in connection therewith, shall be furnished.

10.3 **Specimens or facsimiles in the case of a service mark.** In the case of a service mark a specimen or facsimile as specified in Rules 10.1 and 10.2, of the mark as used in the sale or advertising of the services shall be furnished unless impossible from the nature of the mark or the manner in which it is used, in which event, some other representation acceptable to the Commissioner must be submitted.

12. EXAMINATION OF APPLICATION AND ACTION BY APPLICANTS

12.1 **Action by Examiner.** Applications for registration will be examined or caused to be examined by the Examiner of Trade-Marks, and, if the applicant is found not entitled to registration for any reason, he will be so notified and advised of the reasons therefor and of any formal requirements or objections and will be given such information and references as may be helpful in the further prosecution of the application.

12.2 **Period for response.** The applicant has six months from the date of mailing of any action by the Patent Office to respond thereto. Such response may be made with or without amendment and must include such proper action by the applicant as the nature of the action and the condition of the case may require.

12.3 **Re-examinations.** After response by the applicant, the application will be re-examined or reconsidered, and if the registration is again refused or formal requirements insisted upon, but not stated to be final, the applicant may respond again.

12.4 **Final action.** On the first or any subsequent re-examination or reconsideration the refusal of the registration or the insistence upon a requirement may be stated to be final, whereupon applicant's response is limited to an appeal or to a compliance with any requirement made.

12.5 **Abandonment.** If an applicant fails to respond, or to respond completely, within six months after the date an action is mailed, the application shall be deemed to have been abandoned.

12.6 **Revival of abandoned applications.** An application abandoned for failure to respond may be revived as a pending application if it is shown to the satisfaction of the Commissioner that the delay was unavoidable. A petition to revive an abandoned application must be accompanied by a verified showing of the causes of the delay, and by the proposed response, unless the same has been previously filed.

12.7 **Suspension of action by Patent Office.** Action by the Patent Office may be suspended upon request of the applicant for good and sufficient cause and for a reasonable time specified. Only one suspension will be granted by the Examiner, and any further suspension must be approved by the Commissioner.

12.8 **Express abandonment.** An application may be expressly abandoned by filing in the Patent Office a written declaration of abandonment signed by the applicant himself or, if assigned, by the assignee.

13. AMENDMENT OF APPLICATION

13.1 **Amendments to statement.** The statement may be amended to correct informalities, or to avoid objections made by the Patent Office, or for other reasons arising in the course of examination. No amendments to the dates of use will be permitted unless such changes are supported by affidavit by the applicant and by such showing as may be required by the Examiner.

Additions to the description of goods or services will not be permitted unless the mark was in actual use on all of the goods or services proposed to be added by the amendment at the time the application was filed and unless the amendment is accompanied by additional specimens (or facsimiles) and by a supplemental affidavit by the applicant in support thereof, alleging said facts.

Amendment of the declaration will not be permitted. If that filed with the application be faulty or defective, a substitute declaration must be filed.

13.2 **Amendments to description or drawing.** Amendments to the description or drawing of the mark may be permitted only if warranted by the specimens (or facsimiles) as originally filed, but may not be made if the nature of the mark is changed thereby.

13.3 **Amendment to recite concurrent use.** An application may be amended in the Examiner's discretion so as to be treated as an application for a concurrent registration, provided the application as amended satisfies the requirements of Rule 8.2.

13.4 **Form of amendment.** In every amendment the exact word or words to be stricken out or inserted in the statement must be specified and the precise point indicated where the deletion or insertion is to be made. Erasures, additions, insertions, or mutilations of the papers and records must not be made by the applicant or attorney.

When an amendatory clause is amended, it must be wholly rewritten so that no interlineation or erasure will appear in the clause, as finally amended, when the application is passed to registration. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, or when otherwise desired to clarify the record, the Examiner may require the entire statement to be rewritten.

13.5 **Amendment to change application to different register.** An application for registration on the Principal Register may be changed to an application for registration on the Supplemental Register and vice versa by amending the application to comply with the rules relating to the requirements for registration on the appropriate register, as the case may be. Unless the written application as originally filed was sufficient for registration on the register to which converted, the date of filing such amendment will be considered the filing date of the application so converted. Only one such conversion will be permitted after an action by the Examiner.

14. FEDERAL LABEL APPROVAL

14.1 **Federal label approval required in certain cases.** Whenever an application is filed for the registration of a trade-mark which is either a part of or associated with a label for a product which, under the provisions of an act of Congress, cannot be lawfully sold in the commerce specified in the written application without prior approval of the label by a designated Government agency, a copy of such label and its certification must be made of record in the application before allowance in cases specified by this rule.

Types of labels for which prior approval must be secured and copies of which must be filed as indicated above are set forth in the following schedule:

Labels for meat products (Class 46) which are subject to Federal inspection, must be approved by the Meat Inspection Division, Bureau of Animal Industry, Department of Agriculture.

Labels for wines (Class 47) and for distilled alcoholic liquors (Class 49) must be approved by the Federal Alcohol Administration.

15. PUBLICATION AND ALLOWANCE

15.1 **Publication in Official Gazette.** If, on examination or re-examination of an application for registration on the Principal Register, it appears that the applicant is entitled to have his mark registered, the mark will be published in the Official Gazette for opposition.

15.2 **Allowance of application.** If no notice of opposition is filed within the time permitted, Rules 20.1 and 20.2, and no interference is declared, the applicant will be duly notified of the allowance of his application, and a certificate of registration may be issued as provided in Rule 29.1.

Certificates are normally issued on the fourth Tuesday after the Thursday following the date of the notice of allowance.

15.3 **Marks on Supplemental Register published only upon registration.** In the case of an application for registration on the Supplemental Register the mark will not be published for opposition but the applicant will be notified of the allowance of his application if it appears, after examination or re-examination, that he is entitled to have the mark registered, and a certificate of registration may be issued as provided in Rule 29.1. The mark will be published in the Official Gazette when registered.

15.4 **Jurisdiction over published or allowed applications.** After publication or allowance the Examiner may exercise jurisdiction over an application by special authority from the Commissioner.

Amendments may be made after the allowance of an application if the certificate has not been printed, on the recommendation of the Examiner approved by the Commissioner, without withdrawing the allowance.

16. CLASSIFICATION

16.1 **Classification of goods and services.** There is established, for convenience of administration, the following classification of goods and services. Such classification shall not limit or extend the applicant's rights.

Class	Title
1	Raw or partly prepared materials
2	Receptacles
3	Baggage, animal equipments, portfolios, and pocketbooks
4	Abrasive, detergent, and polishing materials
5	Adhesives
6	Chemicals, medicines, and pharmaceutical preparations
7	Cordage
8	Smokers' articles, not including tobacco products
9	Explosives, firearms, equipments, and projectiles
10	Fertilizers
11	Inks and inking materials
12	Construction materials
13	Hardware and plumbing and steam-fitting supplies
14	Metals and metal castings and forgings
15	Oils and greases
16	Paints and painters' materials
17	Tobacco products
19	Vehicles
20	Linoleum and oiled cloth
21	Electrical apparatus, machines, and supplies
22	Games, toys, and sporting goods
23	Cutlery, machinery, and tools, and parts thereof
24	Laundry appliances and machines
25	Locks and safes
26	Measuring and scientific appliances
27	Horological instruments
28	Jewelry and precious-metal ware
29	Brooms, brushes, and dusters
30	Crockery, earthenware, and porcelain

Class	Title
31	Filters and refrigerators
32	Furniture and upholstery
33	Glassware
34	Heating, lighting, and ventilating apparatus
35	Belting, hose, machinery packing, and non-metallic tires
36	Musical instruments and supplies
37	Paper and stationery
38	Prints and publications
39	Clothing
40	Fancy goods, furnishings, and notions
41	Canes, parasols, and umbrellas
42	Knitted, netted and textile fabrics, and substitutes therefor
43	Thread and yarn
44	Dental, medical, and surgical appliances
45	Soft drinks and carbonated waters
46	Foods and ingredients of foods
47	Wines
48	Malt beverages and liquors
49	Distilled alcoholic liquors
50	Goods not otherwise classified
55	Services (temporary)

16.2 **Plurality of goods or services comprised in single class may be covered by single application.** A mark may be registered on a single application for a plurality of goods, or for a plurality of services, comprised in a single class, provided the particular description of each of the goods or services be stated and the mark has actually been used on or in connection with all of the goods, or in connection with all of the services specified.

16.3 **Original application must be limited to goods or services comprised in a single class.** When a single application is filed to register a mark for both goods and services or for goods or services in a plurality of different classes, registration will be refused, and the applicant will be required to restrict the application to goods or services comprised in a single class.

16.4 **Applications may be combined.** When several applications have been filed by the same applicant for registration on the same register of the identical mark on goods in different classes, or services in different classes, and each of the applications has been allowed, a single certificate based on such several applications may be issued. For the purpose of issuing such single certificate, a copy of the written applications, combined as a single application eliminating unnecessary repetition, must be filed in one of such applications.

The issuance of any original certificate may be suspended upon request of the applicant, for a period not exceeding six months to permit such consolidation.

18. CONTESTED OR INTER PARTES PROCEEDINGS

18.1 **Contested or inter partes proceedings.** Contested or inter partes cases or proceedings comprise (*a*) interferences between pending applications or between registrations and pending applications, which are instituted by the Examiner of Trade-Marks, (*b*) opposition proceedings, which are instituted on the filing of a notice of opposition against a mark published for opposition, (*c*) cancellation proceedings, which are instituted on the filing of a petition to cancel a registration, and (*d*) concurrent use proceedings which are instituted upon giving notice to the users named in an application to register as concurrent user.

19. INTERFERENCES

19.1 **Interferences.** Whenever application is made for registration on the Principal Register of a mark which so resembles a mark previously registered by another, or for the registration of which another has previously made application, as to be likely, when applied to the goods or when used in connection with the services of the applicant, to cause confusion or mistake or to deceive purchasers, an interference may be declared to exist. An interference will not be declared between two applications or an application and a registration unless the junior party alleges in his application a date of use prior to the filing date of the senior party. No interference shall be declared between an application and the registration of a mark the right to the use of which has become incontestable, nor with respect to registrations or applications to register on the Supplemental Register.

19.2 **Preliminary to interference.** Before the declaration of interference, all preliminary questions must have been settled by the Examiner of Trade-Marks and the interfering marks which are to form the subject matter of the controversy must have been decided to be registrable, and at least one of them must have been published in the Official Gazette.

The Examiner of Trade-Marks may require an applicant to put his application in condition for publication or allowance, within a time specified, not less than thirty days, in order that an interference may be declared. If any such applicant fails to put his application in condition for publication or allowance within the time specified, the declaration of interference will not necessarily be delayed, but after final judgment the application of such applicant will be held for revision or restriction, subject to interference with other applications or registrations.

Whenever it shall be found that two or more parties whose interests are in conflict are represented by the same attorney, the Examiner of Trade-Marks shall notify each of said parties and also the attorney of this fact.

19.3 **Declaration of interference.** An interference is declared and instituted by the mailing of notices of interference to each of the parties by the Examiner of Interferences, which notices shall have been prepared by the Examiner of Trade-Marks. The notices shall be sent to all the parties, in care of their attorneys, if they have an attorney of record, and if one of the parties is a registrant, a notice shall also be sent to him or his assignee of record. The notice to each party shall give the name and address of the adverse party and of his attorney, if any, together with the serial number and date of filing and publication, if published, of each of the applications or registrations involved.

19.4 **Motions to dissolve interference.** Motions to dissolve an interference upon the ground that no interference in fact exists, or that there has been such irregularity in declaring the same as will preclude a proper determination of the right of registration, or that an applicant's mark is not registrable, and all other motions of a similar character, shall contain a full statement of the grounds relied upon and shall be made not later than forty days after the notices of interference have been mailed. Such motions, if in proper form, will be transmitted to the Examiner of Trade-Marks for determination, and the parties will be so notified. If the motion is not in proper form or if it is not brought within the time specified and no satisfactory reason is given for the delay, it will not be considered, and the parties will be so notified. Transmitting such a motion for determination will act as a stay of proceedings pending the determination of the motion.

19.5 **Decision on motion to dissolve.** The decision of the Examiner of Trade-Marks upon a motion for dissolution will be binding upon the Examiner of Interferences unless reversed or modified on appeal. Appeal may be taken to the Commissioner from a decision granting a motion to dissolve. No appeal may be had from a decision denying a motion to dissolve, but the question may be reviewed by the Commissioner on appeal from the final decision of the Examiner of Interferences.

19.6 **Burden of proof.** The party whose application or registration involved in the interference has the latest filing date is the junior party and will be regarded as having the burden of proof.

Motions to shift the burden of proof shall be made within forty days from the mailing of the notices of interference and will be determined by the Examiner of Interferences. No appeal from the decision on such motion will be entertained, but the matter may be reviewed by the commissioner on appeal from the final decision of the Examiner of Interferences.

19.7 **Motion to add.** An applicant or registrant involved in an interference may, not more than forty days after the notices of interference have been mailed, bring a motion to add to the interference any other application or registration which he may own. The procedure affecting such motion will be the same as that hereinabove set forth on motions to dissolve.

19.8 **Adding party to interference.** If, during the pendency of an interference, another case appears involving substantially the same registrable subject matter, the Examiner of Trade-Marks may request the suspension of the interference for the purpose of adding said case. Such suspension will be granted as a matter of course by the Examiner of Interferences if no testimony has been taken. If, however, any testimony has been taken, a notice for the proposed new party disclosing the issue in interference and the names and addresses of the interferants and of their attorneys, and notices for the interferants disclosing the name and address of the said party and his attorney, shall be prepared by the Examiner of Trade-Marks and forwarded to the Examiner of Interferences, who shall make such inquiries as are deemed necessary to determine the question of admissibility of the new party. If the Examiner of Interferences be of the opinion that the interference should be suspended and a new party added, he shall prescribe the terms for such suspension.

20. OPPOSITION

20.1 **Time for filing notice of opposition.** Any person who believes that he would be damaged by the registration of a mark upon the Principal Register may, upon payment of the required fee, oppose the same by filing a verified notice of opposition in the Patent Office within thirty days after the publication (Rule 15.1) of the mark sought to be registered.

20.2 **Extension of time.** A request to extend the time for filing a notice of opposition must be received before the expiration of forty days from the date of publication. Any such request must show good cause for the extension and specify the period of extension desired.

20.3 **Notice filed by attorney.** An unverified notice of opposition may be filed by a duly authorized attorney, but such opposition will be null and void unless verified by the opposer within thirty days after such filing, or within such further time after such filing as may be fixed by the Commissioner upon request made before the expiration of said thirty days.

20.4 **Contents of notice of opposition.** The notice of opposition must allege facts tending to show why the opposer would be damaged by the registration of the opposed mark and state the specific grounds for opposition. A duplicate copy of the notice of opposition and two specimens (or facsimiles) of the mark as actually used by the opposer, if there be such, shall be filed.

20.5 **Institution of opposition.** When a notice of opposition is filed, the Examiner of Trade-Marks shall inform the party filing the same of the receipt thereof and, if regularly filed, shall transmit it to the Examiner of Interferences.

The Examiner of Interferences shall prepare a notice disclosing the name and address of the opposer, and of his attorney, if he has such, and designate a time, not less than thirty days from the date of such notice, within which answer must be filed. Copies of this notice shall be forwarded to the parties in care of their attorneys, if they have attorneys of record. The duplicate copy of the notice of opposition and one of the specimens (or facsimiles), if there be such, shall be forwarded with the notice to the party against whom the opposition is filed.

21. CANCELLATION

21.1 **Time for filing petition for cancellation.** Any person who believes that he is or will be damaged by a registration may, upon payment of the required fee, apply to the Commissioner to cancel said registration. Such petition may be made at any time in the case of registrations on the Supplemental Register or under the act of 1920, or registrations under the act of 1881 or the act of 1905 which have not been republished under section 12(c) of the act (Rule 30.1), and in cases involving the grounds specified in section 14(c) and (*d*) of the act. In all other cases such petition must be made within five years from the date of registration of the mark under the act of 1946 or from the date of republication under section 12(c) of the act.

21.2 **Petition for cancellation.** The petition to cancel must allege facts tending to show why the

petitioner believes he is or will be damaged by the registration, state the specific grounds for cancellation, and indicate the respondent party to whom notice shall be sent. The petition must be verified by the petitioner. A duplicate copy of the petition, an abstract of title of the mark sought to be cancelled or an order for a title report for Office use, and two specimens (or facsimiles) of the mark actually used by the petitioner, if there be such, shall be filed with the petition.

A petition to cancel filed by the Federal Trade Commission under section 14(c) or section 14(*d*) of the act need not show or allege that the petitioner is or will be damaged, and a fee is not required for filing such petition.

21.3 **Notice of filing of petition.** When a petition for cancellation is filed, it shall be transmitted to the Examiner of Interferences, who shall make examination thereof to determine if it is formally correct. If he be of the opinion that the petition is defective as to form, he shall so advise the party filing the same and set a time for correcting the informality.

When the petition is correct as to form, the Examiner of Interferences shall prepare a notice disclosing the name and address of the petitioner and of his attorney, if he has such, and designate a time, not less than thirty days from the date of the notice, within which an answer must be filed. Copies of this notice shall be forwarded to the registrant as well as to his attorney if there be such, and to the petitioner. The duplicate copy of the petition for cancellation and one of the specimens (or facsimiles), if there be such, shall be forwarded with the notice to the registrant whose registration is sought to be cancelled.

22. APPLICATION FOR REGISTRATION AS CONCURRENT USER

22.1 **Application to register as concurrent user.** An application for registration as a lawful concurrent user will be examined in the same manner as other applications for registration. When it is determined that the mark is ready for publication or allowance, except for questions relating to concurrent registration, the applicant may be required to furnish as many copies of his written application, specimens and drawing, as may be necessary. The Examiner of Trade-Marks shall prepare notices for the applicant and for each applicant, registrant, or user specified in the application for registration as a concurrent user. Such notices for the specified parties shall give the name and address of the applicant and of his attorney, if any, together with the serial number and filing date of the application.

The notices shall be sent by the Examiner of Interferences to each of the parties, in care of their attorneys, if they have attorneys of record, and if one of the parties is a registrant, a notice shall also be sent to him or his assignee of record. A copy of the application shall be forwarded with the notices to the parties specified in the application. An answer to the notice is not required in the case of an applicant or registrant whose application or registration is specified in the application to register as concurrent user but a statement may be filed if desired; an answer is required in the case of other parties specified in the application to register as concurrent user and a time, not less than thirty days from the date of the notice, within which such answer must be filed will be designated in the notice.

Subsequent proceedings shall follow the practice in interferences, the applicant for concurrent registration, or the one having the latest filing date if there be more than one such applicant, having the burden of proof in the first instance.

23. PROCEDURE IN CONTESTED OR INTER PARTES PROCEEDINGS

23.1 **Federal Rules of Civil Procedure.** Except as otherwise provided, procedure and practice in contested or inter partes proceedings shall be governed by the Rules of Civil Procedure for the District Courts of the United States wherever considered applicable and appropriate.

Any junior party in an interference, the opposer in an opposition proceeding, the petitioner in a cancellation proceeding, and the applicant to register as a concurrent user, shall be deemed to be in the position of plaintiff, and the other parties to such proceedings in the position of defendants with respect thereto. The notice of opposition and the petition to cancel, and the answers thereto, correspond to complaint and answer; there are no equivalent pleadings in interferences and in concurrent use proceedings when no answer is required, the issues in such cases being determined by the respective applications or registrations involved. The taking of testimony and the final hearing correspond to trial, and the assignment of times for taking testimony and for final hearing to setting a case for trial.

23.2 **Undelivered Office notices.** When the notices sent by the Patent Office to any registrant are returned to the Office undelivered, or when one of the parties resides abroad and his representative in the United States is unknown, additional notice may be given by publication in the Official Gazette for such period of time as the Commissioner may direct.

23.3 **Service of papers.** Every paper filed in the Patent Office in contested cases, including appeals, must be served upon the other parties as provided by Patent Rule 154(*b*) except the notices of interference (Rule 19.3), the notice of opposition (Rule 20.5), the petition for cancellation (Rule 21.3), the notices of a concurrent use proceeding (Rule 22.1), and the copies of the testimony (Rule 23.6), which are mailed by the Patent Office. Proof of such service must be made before the paper will be considered by the Office. A statement signed by the attorney, attached to or appearing on the original paper, when filed clearly stating the time and manner in which service was made will be accepted as prima facie proof of service.

23.4 **Assignment of times for taking testimony and of date of final hearing.** Times will be assigned for the taking of testimony in behalf of each of the parties, and no testimony shall be taken except during the times assigned. If there be more than two parties to an interference, the times for taking testimony will be so arranged that each shall have an opportunity to prove his case against prior parties, to rebut their evidence, and to meet the evidence of junior parties.

The times will ordinarily be assigned in the notices sent by the Patent Office in interferences and in concurrent use proceedings, and in a notice sent after the answers have been filed in cases of opposition and cancellation. The time for final hearing will be set in the same notices. If either party desires an extension of the time assigned to him for taking testimony he may apply therefor as provided in Patent Rule 154(*d*).

23.5 **Testimony in contested or inter partes cases.** Testimony in contested or inter partes proceedings shall be taken and filed in accordance with the provisions of Patent Rules 154 to 161, inclusive, and these rules shall apply to trade-mark cases.

23.6 **Copies of testimony.** In addition to the original transcripts of the testimony, three or more copies of the record of each party must be filed, two for the use of the Patent Office and one for each of the opposing parties. These records may be submitted either in printed or typewritten form. They must include the testimony presented by the party filing the same, and shall be certified to as being true copies. Each record must contain an index of the names of the witnesses, giving the pages where their examination and cross-examination begin, and an index of the pages where exhibits are offered in evidence and of the pages where copies of papers and documents introduced as exhibits are shown when such exhibits are copied in the record; the names of the witnesses must appear at the top of the pages over their testimony, and the pages must be consecutively numbered.

The copies of the record for the party in the position of plaintiff must be filed not less than seventy days before the day for final hearing and in the case of parties in the position of defendants not less than fifty days.

When the copies of the record are submitted in printed form, they shall be printed in 11-point type and adequately leaded; the paper must be opaque and unglazed; the size of the page shall be 7⅝ by 10¼ inches; and the size of the printed matter shall be 4⅛ by 7⅛ inches. Twenty-five additional copies for the United States Court of Customs and Patent Appeals, should appeal be taken, may also be filed; if no such appeal be taken, the twenty-five copies will be returned to the party filing them.

When the copies of the record are submitted in typewritten form, they must be clearly legible copies on opaque, unglazed, durable paper 8½ by 11 inches in size. The typing shall be on one side of the paper, in not smaller than pica type; and double-spaced with a margin of 1½ inches on the left-hand side of the page. The sheets shall be bound at their left edges in a volume or volumes of convenient size provided with covers. Multigraphed or otherwise reproduced copies conforming to the same standards specified for typewritten copies will be accepted as typewritten.

The testimony of any party failing to supply copies of his record as specified may be refused consideration.

23.7 **Allegations in application not evidence on behalf of applicant.** The allegation of dates of use in the application for registration of the applicant or registrant cannot be used as evidence in behalf of the party making the same.

23.8 **Motions.** Motions shall be made in writing and shall contain a full statement of the grounds therefor. Oral hearings will not be held on motions except on order of the Examiner having jurisdiction. Briefs in support of or in opposition to motions shall be filed on dates set by the Examiner of Interferences and, if not so filed, consideration thereof may be refused.

Petitions for reconsideration or modification of the decision must be filed within twenty days after the decision or before the time for appeal expires.

Appeal must be taken, in the case of such decisions as are appealable, within the time limit set in the decision, or within twenty days if no time limit is set.

24. PROCEDURE IN CONTESTED OR INTER PARTES PROCEEDINGS (continued)

24.1 **Briefs at final hearing.** Briefs at final hearing shall be submitted in printed form, except that where not in excess of thirty typewritten pages, and in any other case where satisfactory reason therefor is shown, they may be submitted in typewritten form. If submitted in printed form, they shall be the same in size and the same as to page and print as is specified for printed copies of testimony. Typewritten briefs shall conform to the requirements for typewritten copies of testimony, except that legal size paper may be used and the binding and covers specified are not required. The brief of a party in the position of plaintiff shall be filed not less than forty days, and that of a party in the position of a defendant not less than twenty days, prior to the hearing. Reply briefs, if filed, shall be due not less than ten days before the hearing.

24.2 **Final hearing.** Final hearings will be had by the Examiner of Interferences at the time stated in the notice. If either party in a contested case appear at the proper time, he will be heard. If the Examiner of Interferences is prevented from hearing the case at the time specified for the hearing, a new assignment will be made, or the case will be continued from day to day until heard. Unless otherwise permitted, oral arguments will be limited to one-half hour for each party. Petitions for rehearings or modifications of the decision must be filed before the time for appeal expires.

Hearings may be advanced or adjourned, as far as is convenient and proper, to meet the wishes of the parties and their attorneys.

24.3 **New matter suggested by Examiner of Trade-Marks.** If, during the pendency of a contested or inter partes case, facts appear which in the opinion of the Examiner of Trade-Marks render the mark of any applicant involved unregistrable, the attention of the Examiner of Interferences shall be called thereto. The Examiner of Interferences may suspend the proceeding and refer the case to the Examiner of Trade-Marks for his determination of the question of registrability, and the proceeding shall be dissolved or continued in accordance with such determination. The consideration of such facts by the Examiner of Trade-Marks shall be inter partes.

24.4 **Failure to take testimony.** Upon the filing of an affidavit by any party in the position

of a defendant, that the time for taking testimony on behalf of any party in the position of plaintiff has expired and that no testimony has been taken by him and no other evidence offered, an order may be entered that such party show cause within a time set therein, not less than ten days, why judgment should not be rendered against him, and in the absence of a showing of good and sufficient cause judgment may be rendered as by default.

24.5 **Amendment of application or registration during proceedings.** An application involved in a contested proceeding may not be amended, nor may a registration be amended or disclaimed in part, except upon the written consent of the other party or parties and the approval of the Examiner of Interferences, or except upon motion duly brought and considered.

24.6 **Surrender or cancellation of registration.** If a registrant involved in a contested proceeding applies to surrender or cancel his registration, under section 7(*d*) of the act, and such action is permitted, the proceeding may be terminated or continued on such terms as may be appropriate.

24.7 **Abandonment of application, abandonment or disclaimer in whole of mark, concession of priority.** If an applicant involved in a contested proceeding files a written abandonment of the application, or abandonment of the mark, or if a registrant applies to disclaim the mark in whole under section 7(*d*) of the act and such disclaimer is permitted, or if a party to an interference files a written concession of priority, judgment may be entered against said party; the proceeding will not be dismissed or dissolved at the request of said party unless with the consent of the other parties.

26. APPEALS

26.1 **Ex parte appeals to the Commissioner from the Examiner of Trade-Marks.** Every applicant for the registration of a mark may, upon final refusal by the Examiner of Trade-Marks, appeal to the Commissioner in person upon payment of the prescribed fee. A second refusal on the same grounds may be considered as final by the applicant for purpose of appeal. Appeal may also be taken to the Commissioner from the refusal by the Examiner of Trade-Marks to accept an affidavit filed under section 8 of the act or to renew a registration.

26.2 **Time and manner of ex parte appeals.** Such appeal must be taken within six months from the date of the action appealed from and must be accompanied by a statement of the reasons therefor. The Examiner shall, within thirty days therefrom, furnish the Commissioner with a written statement of the grounds of his decision, supplying a copy to the applicant. The date for hearing will be fixed by the Commissioner in each case and the brief of the appellant shall be due on or before the day of the hearing. Cases which have been heard and decided by the Commissioner will not be reopened except by his order.

26.3 **Appeal to the Commissioner from decision of Examiner of Interferences.** Any party to an interference, opposition, cancellation, or a concurrent use proceeding may appeal, stating the reasons therefor, from the final decision of the Examiner of Interferences to the Commissioner in person within the time limit, not less than thirty days, prescribed in the decision, or, if no time limit is prescribed, within thirty days, upon payment of the prescribed fee. The date for hearing will be fixed by the Commissioner in each case. Appellants shall file briefs not less than forty days before the hearing, and appellees shall file briefs not less than twenty days before the hearing; reply briefs, if filed, shall be due not less than ten days before the hearing. Briefs and hearings on appeal shall be subject to Rules 24.1 and 24.2 insofar as applicable.

26.4 **Appeal to court.** Any applicant for registration, any registrant who has filed an affidavit under section 8 of the act, or any party to an inter partes proceeding, who is dissatisfied with the decision of the Commissioner, may appeal to the United States Court of Customs and Patent Appeals or may proceed under section 4915, Revised Statutes (U. S. Code, title 35, sec. 63), as in the case of applicants for patents, under the same conditions, rules and procedure as are applicable in the case of patent appeals or proceedings.

(See Patent Rules 148 to 150 and rules of the United States Court of Customs and Patent Appeals.)

27. PETITION TO THE COMMISSIONER

27.1 **Petition to the Commissioner.** Petition may be filed with the Commissioner from any repeated action or requirement of the Examiner of Trade-Marks which is not subject to appeal and in other appropriate circumstances. Such petition, and any other petition which may be filed, must contain a statement of the facts involved and the point or points to be reviewed. Briefs or memoranda, if any, in support thereof should accompany or be embodied in the petition. The Examiner may be directed by the Commissioner to furnish a written statement setting forth the reasons for his decision upon the matters averred in the petition, supplying a copy thereof to the petitioner. Oral hearing will be granted only in the discretion of the Commissioner. No fee is required for such a petition. The mere filing of a petition will not stay the period of six months for replying to an Examiner's action as provided in Rule 12.2 nor act as a stay of other proceedings.

29. CERTIFICATE

29.1 **Certificate.** When the requirements of the law and of the rules have been complied with, and the Patent Office has adjudged a mark registrable, a certificate will be issued to the effect that the applicant has complied with the law and that he is entitled to registration of his mark on the Principal Register or on the Supplemental Register as the case may be. The certificate will state the date on which the application for registration was filed in the Patent Office, the act under which the mark is registered, the date of issue and the number of the certificate. Attached to the certificate and forming a part thereof will be a copy of the drawing of the mark and a printed copy of the written statement and declaration. A notice of the affidavit requirement of section 8(*a*) of the act (Rule 32.1) will be attached to the certificate.

Certificates are numbered in consecutive order, those issued under the acts of 1905 and 1920 continuing the series of numbering heretofore employed; those issued under the act of 1946 begin with number 500,001.

30. REPUBLICATION OF MARKS REGISTERED UNDER 1905 ACT

30.1 **Republication requirements.** A registrant of a mark registered under the provisions of the acts of 1881 or 1905 may, at any time prior to the expiration of the period for which the registration was issued or renewed, upon the payment of the prescribed fee, file an affidavit setting forth those goods stated in the registration on which said mark is in use in commerce which may lawfully be regulated by Congress, specifying the nature of such commerce, and stating that the registrant claims the benefits of the Trade-Mark Act of 1946. An abstract of title or an order for a title report for Patent Office use shall accompany the affidavit.

Such marks may, in lieu of republication under this rule, be reregistered in accordance with Rule 31.1 at the option of the registrant.

30.2 **Republication in Official Gazette.** A notice of the claim of benefits under the act of 1946 and a reproduction of the mark will then be published in the Official Gazette as soon as practicable. The republished mark will retain its original registration number.

30.3 **Notice of republication.** A notice of such republication of the mark and of the requirement for the affidavit specified in section 8(*b*) of the act (Rule 32.1) will be sent to the registrant.

30.4 **Not subject to opposition; subject to cancellation.** The republished mark is not subject to opposition on such publication in the Official Gazette but is subject to petitions to cancel as specified in Rule 21.1 and to cancellation for failure to file the affidavit specified in Rule 32.1.

31. REREGISTRATION OF MARKS REGISTERED UNDER PRIOR ACTS

31.1 **Reregistration of marks registered under acts of 1881, 1905 and 1920.** Trade-marks registered under the act of 1881, the act of 1905 or the act of 1920 may be reregistered under the act of 1946, either on the Principal Register, if eligible, or on the Supplemental Register, but a new complete application for registration must be filed complying with the rules relating thereto, and such application will be subject to examination and other proceedings in the same manner as other applications filed under the act of 1946.

See Rule 6.6 for use of old drawing.

32. CANCELLATION FOR FAILURE TO FILE AFFIDAVIT DURING SIXTH YEAR

32.1 **Cancellation for failure to file affidavit during sixth year.** Any registration under the provisions of the act of 1946 and any registration republished under the provisions of section 12(*c*) of the act (Rule 30.1) shall be cancelled at the end of six years following the date of registration or the date of such republication, unless within one year next preceding the expiration of such six years the registrant shall file in the Patent Office an affidavit showing that said mark is still in use or showing that its nonuse is due to special circumstances which excuse such nonuse and is not due to any intention to abandon the mark.

32.2 **Requirements for affidavit.** The affidavit required by Rule 32.1 must:

(*a*) Be executed by the registrant after expiration of the five-year period;

(*b*) Identify the certificate of registration by the certificate number and date of registration;

(*c*) Recite sufficient facts to show that the mark described in the registration is still in use, specifying the nature of such use, or recite sufficient facts to show that its nonuse is due to special circumstances which excuse such nonuse and is not due to any intention to abandon the mark; and

(*d*) Be accompanied by an abstract of title or an order for a title report for Office use.

32.3 **Acknowledgment of receipt of affidavit.** The registrant will be notified by the Examiner of Trade-Marks of the receipt of the affidavit and, if satisfactory, of its acceptance.

32.4 **Reconsideration of affidavit.** If the affidavit is insufficient, the registrant will be notified of the reasons by the Examiner. Reconsideration of such refusal may be requested within six months from the date of the mailing of the notice. The request for reconsideration must state the reasons therefor; a supplemental or substitute affidavit required by sec. 12(*c*) of the act cannot be considered unless it is received before the expiration of six years from the date of the registration, or from the date of republication.

See Rules 26.1, 26.2 and 26.4 for appeal.

32.5 **Time of cancellation.** If no affidavit is filed, the registration will be cancelled forthwith by the Commissioner after the end of the sixth year, and a notice of the cancellation will be sent to the registrant. If the affidavit is filed but is refused, cancellation of the registration will be withheld pending further proceedings.

33. AFFIDAVIT FOR INCONTESTABILITY

33.1 **Affidavit for incontestability.** The affidavit required by section 15 of the act for acquiring incontestability for a mark registered on the Principal Register or a mark registered under the act of 1881 or 1905 and republished under section 12(*c*) of the act (Rule 30.1) must

(*a*) Be signed by the registrant;

(*b*) Identify the certificate of registration by the certificate number and date of registration;

(*c*) Recite the goods or services stated in the registration on or in connection with which the mark has been in continuous use for a period of five years subsequent to the date of registration or date of republication under section 12(*c*) of the act, in commerce which may lawfully be regulated by Congress and is still in use in commerce, specifying the nature of such commerce;

(*d*) Specify that there has been no final decision adverse to registrant's claim of ownership of such mark for such goods or services, or to registrant's right to register the same or to keep the same on the register;

(e) Specify that there is no proceeding involving said rights pending in the Patent Office or in a court and not finally disposed of;

(f) Be filed within one year after the expiration of any such five year period.

The registrant will be notified of the receipt of the affidavit.

33.2 **Combined with other affidavits.** The affidavit filed under section 15 of the act for the purpose of acquiring incontestability may also be used as the affidavit required by section 8, provided it also complies with the requirements and is filed within the time limit specified in Rules 32.1 and 32.2.

In appropriate circumstances the affidavit filed under section 15 of the act may be combined with the affidavit required for renewal of a registration (see Rule 35.3).

34. CORRECTION, DISCLAIMER, SURRENDER, ETC.

34.1 **New certificate on change of ownership.** In case of change of ownership of a registered mark, a new certificate of registration may be issued in the name of the assignee for the unexpired part of the original period, at the request of the assignee. The assignment must be recorded in the Patent Office and the request must be accompanied by the required fee and by an abstract of title or an order for a title report for Office use.

34.2 **Surrender, cancellation, disclaimer in whole.** The Commissioner may permit any registration to be surrendered or cancelled, or any registered mark to be disclaimed in whole, upon application by the registrant. Application for such action must be signed by the registrant and must be accompanied by the required fee, and by an abstract of title or an order for a title report for Office use.

34.3 **Amendment and disclaimer in part.** The Commissioner may permit any registration to be amended or any registered mark to be disclaimed in part, upon application by the registrant. Application for such action must specify the amendment or disclaimer and be signed by the registrant, and must be accompanied by the required fee and by an abstract of title or an order for a title report for Office use. The certificate of registration or, if said certificate is lost or destroyed, a certified copy thereof, must also be submitted in order that the Commissioner may make appropriate entry thereon and in the records of the Office. The registration when so amended must still contain registrable matter and the mark as amended must be registrable as a whole, and such amendment or disclaimer must not involve such changes in the registration as to alter materially the character of the mark.

Changes in the description of goods other than in the nature of deletions will not be permitted except under the provisions of Rule 34.5. No amendment seeking the elimination of a disclaimer will be permitted.

A printed copy of the amendment or disclaimer shall be attached to each printed copy of the registration.

34.4 **Correction of Office mistake.** Whenever a material mistake in a registration, incurred through the fault of the Patent Office, is clearly disclosed by the records of the Office, a certificate stating the fact and nature of such mistake, signed by the Commissioner and sealed with the seal of the Patent Office, shall be issued without charge and recorded and a printed copy thereof shall be attached to each printed copy of the registration certificate and such corrected certificate shall thereafter have the same effect as if the same had been originally issued in such corrected form, or in the discretion of the Commissioner a new certificate of registration may be issued without charge.

34.5 **Correction of mistake by registrant.** Whenever a mistake has been made in a registration and a showing has been made that such mistake occurred in good faith through the fault of the applicant, the Commissioner may issue a certificate of correction, or in his discretion, a new certificate upon the payment of the required fee, provided that the correction does not involve such changes in the registration as to require republication of the mark.

Application for such action must specify the mistake for which correction is sought and the manner in which it arose, show that it occurred in good faith, be signed by the applicant, and be accompanied by the required fee and by an abstract of title or an order for a title report for Office use.

A printed copy of the certificate of correction shall be attached to each printed copy of the registration.

35. TERM AND RENEWAL

35.1 **Term of original registrations and renewals.** Registrations under the act of 1946, whether on the Principal Register or on the Supplemental Register, remain in force for twenty years, and may be renewed for periods of twenty years from the expiring period unless previously cancelled, disclaimed in whole, or surrendered.

Registrations under the acts of 1905 and 1881 remain in force for their unexpired terms and may only be renewed in the same manner as registrations under the act of 1946.

Registrations under the act of 1920 which were issued on or before January 5, 1928, expire on January 5, 1948, and such registrations issued after January 5, 1928, expire twenty years from their date of issue. Such registrations cannot be renewed unless renewal is required to support foreign registrations and in such case may be renewed on the Supplemental Register in the same manner as registrations under the act of 1946.

35.2 **Period within which application for renewal must be filed.** An application for renewal may be made by the registrant at any time within six months before the expiration of the period for which the certificate of registration was issued or renewed, or it may be made within three months after such expiration on payment of the additional fee required.

35.3 **Requirements of application for renewal.** The application for renewal must be accompanied by:

(a) An affidavit by the registrant stating that the mark is still in use in commerce which may lawfully be regulated by Congress, specifying the nature of such commerce. This affidavit must be executed not more than six months before the expiration of the registration.

(b) The required fee, including the additional fee required in the case of a delayed application for renewal.

The affidavit and the fee must accompany the application for renewal and therefore must be filed within the period provided for applying for renewal. If defective or insufficient, they cannot be completed after the period for applying for renewal has passed; if completed after the initial six months period has expired but before the expiration of the three months delay period, the application can be considered only as a delayed application for renewal.

The application for renewal must also include:

(c) An abstract of title or an order for a title report for Office use.

(d) If the applicant is not domiciled in the United States, the designation of some person resident in the United States on whom may be served notices or process in proceedings affecting the mark.

(e) If the mark is registered under the act of 1920, a verified showing that renewal is required to support foreign registrations.

35.4 **Refusal of renewal.** If the application for renewal is incomplete or defective, the renewal will be refused by the Examiner of Trade-Marks. The application may be completed or amended in response to a refusal, subject to the provisions of Rules 12.2 and 35.3.

See Rules 26.1 and 26.2 for appeal.

36. ASSIGNMENT OF MARKS

36.1 **Requirements for assignments.** A mark which has been registered or a mark for which an application for registration has been filed shall be assignable with the good will of the business in which the mark is used, or with that part of the good will of the business connected with the use of and symbolized by the mark.

Such assignments shall be by instruments in writing duly executed. Acknowledgment as provided by section 11 of the act shall be prima facie evidence of the execution of an assignment and when recorded in the Patent Office the record shall be prima facie evidence of execution. No assignment will be recorded unless it has been executed and unless:

(a) The certificate of registration is identified in the assignment by the certificate number (the date of registration should also be given), or, the application for registration shall have been first filed in the Patent Office and the application is identified in the assignment by serial number (the date of filing should also be given);

(b) It is in the English language or, if not in the English language, accompanied by a sworn translation;

(c) The fee for recording is received; and

(d) An appointment of a resident agent is made in case the assignee is not domiciled in the United States. The appointment must be separate from the assignment and there must be a separate appointment for each registration or application assigned in one instrument.

The date of record of the assignment is the date of the receipt of the assignment at the Patent Office in proper form and accompanied by the full fee for recording.

36.2 **Action may be taken by assignee of record.** Any action which may or must be taken by a registrant or applicant may be taken by the assignee, provided the assignment has been recorded, and unless such assignment has been recorded no assignee will be recognized.

36.3 **Certificate of registration may issue to assignee.** The certificate of registration may be issued to the assignee of the applicant, but the assignment must first be entered of record in the Patent Office as of a date not later than the fourth Thursday before the date the certificate of registration is to bear. See Rule 15.2.

38. UNPROVIDED FOR AND EXTRAORDINARY CASES

38.1 **Cases not specifically defined.** All cases not specifically defined and provided for by these rules will be decided in accordance with the merits of each case under the authority of the Commissioner, and such decision will be communicated to the interested parties in writing.

38.2 **Commissioner may suspend certain rules.** In an extraordinary situation, when justice requires and no other party is injured thereby, any requirement of these rules not being a requirement of the statute may be suspended or waived by the Commissioner.

39. AMENDMENT OF RULES

39.1 **Amendments to rules will be published.** All amendments to these rules will be published in the Official Gazette and in the Federal Register.

39.2 **Publication of notice of proposed amendments.** Whenever required by law, and in other cases whenever practicable, notice of proposed amendments to these rules will be published in the Federal Register and in the Official Gazette. If not published with the notice, copies of the text will be furnished to any person requesting the same. All comments, suggestions, and briefs received within a time specified in the notice will be considered before adoption of the proposed amendments which may be modified in the light thereof.

Oral hearings may be held at the discretion of the Commissioner.

40. TIME OF TAKING EFFECT

40.1 **Effective date of rules.** These rules, except Rule 4.4, shall take effect on July 5, 1947, and shall apply to all applications for registration, registrations, and proceedings under and subject to the act of 1946. Applications filed prior to July 5, 1947, and still subject to the acts under which said applications were filed shall be prosecuted and certificates granted in accordance with the act under which filed and the rules thereunder in effect immediately prior to July 5, 1947.

These rules shall apply to contested or inter partes proceedings instituted on or after July 5, 1947, and also to further inter partes action in such cases pending on July 5, 1947, except to the extent that in the opinion of the Commissioner their application to a particular case pending when these rules take effect would not be feasible or would work injustice, in which event the rules

in effect immediately prior to July 5, 1947, shall apply to such case.

Rule 4.4 shall take effect on January 1, 1948.

41. APPLICATIONS PENDING ON JULY 5, 1947

41.1 **Conversion of pending applications to act of 1946.** Applications for registration filed before July 5, 1947, and pending in the Patent Office on and after that date may be amended, if practicable, to bring them under the provisions of the act of 1946.

41.2 **Requirements of amendment.** Such amendment must supply the facts required by these rules to be included in the statement of an original application which are not contained in the statement on file, supported by a supplemental affidavit including any required averments which are not contained in the original declaration. The amendment is subject to all rules relating to or affecting amendments and must not be inconsistent with the original statment and declaration. The amendment may take the form of a substitute written application and in any case the Examiner may require the amended application to be rewritten.

The entire filing fee required for an original application under the act of 1946 must be paid, but the filing fee previously paid will be considered as part payment of such filing fee.

For the purpose of proceedings in the Patent Office, the date of filing the amendment will be considered as the filing date of the application; for the purpose of contested proceedings, the applicant may be permitted to rely on the filing date of his original application, provided the mark was registrable under the act on which the original application was based.

41.3 **Applications which cannot be amended.** An amendment to bring an application under the act of 1946 will not be considered:

(*a*) If the application is abandoned at the time the amendment is filed;

(*b*) If the application is under rejection or other action by the Examiner and the appropriate response thereto is not received within the time for response, in which case the mere filing of the proposed amendment will not avoid abandonment of the application;

(*c*) If filed after the notice of allowance has been sent; and

(*d*) In any other case if, from the nature of the particular amendment or the condition of the application, it is not practicable.

FORMS FOR TRADE-MARK CASES

1 Application for trade-mark registration by an individual, Principal Register
2 Application for trade-mark registration by a firm, Principal Register
3 Application for trade-mark registration by a corporation, Principal Register
6 Application for trade-mark registration claiming concurrent use, Principal Register
9 Application for service mark registration, Principal Register
12 Application for collective mark registration, Principal Register
13 Application for certification mark registration, Principal Register
16 Application for trade-mark regsitration, Supplemental Register
19 Application for trade-mark registration based on foreign registration or application
21 Application for renewal of registration by an individual
25 Affidavit under section 8
26 Affidavit under section 12(c)
27 Affidavit under section 15
28 Combined affidavits under sections 8 and 15
31 Notice of opposition
32 Petition for cancellation of trade-marks
33 Appeal from the Examiner of Trade-Marks to the Commissioner in ex parte cases
34 Appeal from the Examiner of Interferences to the Commissioner in contested or inter partes proceedings
35 Assignment of application for registration
36 Assignment of registered mark

The following forms illustrate the manner of preparing applications for registration of marks and various papers in trade-mark cases, to be filed in the Patent Office. Applicants and other parties will find their business facilitated by following them. These forms should be used in cases to which they are applicable. A sufficient number of representative forms are given which, with the variations indicated by the notes, should take care of all the usual situations. In special situations such alterations as the circumstances may render necessary may be made provided they do not depart from the requirements of the rules or the statute. Before using any forms the pertinent rules and sections of the statute should be studied carefully.

1. APPLICATION FOR TRADE-MARK REGISTRATION BY AN INDIVIDUAL, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____, a citizen of _____
(name) (citizenship)
residing at _____ and doing business at _____ has adopted and is using the trade-mark shown in the accompanying drawing for _____ in Class _____
(particular description of goods) (number and title of Class)
_____ and presents herewith five specimens (or facsimiles) showing the trade-mark as actually used in connection with such goods, the trade-mark being applied to (1) _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946.

The trade-mark was first used on (2) _____
(date)
and first used in commerce (3) _____ which may lawfully be regulated by Congress on _____.
(date)

(Declaration)

Applicant being duly sworn, deposes and says that he believes himself to be the owner of the trade-mark, which is in use in commerce (3) _____ and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens (or facsimiles) show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ (4) _____ his attorney (or agent) to prosecute this application for registration with full power of substitution and revocation, to transact all business in the Patent Office connected therewith, and to receive the certificate.

_____
(signature)

State of _____ }
County of _____ } ss

Before me personally appeared _____ to me known to be the person described in the above application for registration, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein, on the _____ day of _____ 19____.

_____
(notary public)

_____

Notes:

(1) Insert: "the goods"; "the containers for the goods"; "displays associated with the goods," and/or, "tags or labels affixed to the goods," as the case may be.

(2) State the date on which the trade-mark was first used as a trade-mark whether or not in commerce which may lawfully be regulated by Congress.

(3) Specify kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(4) If the attorney is not registered on the Patent Office Register the power of attorney or separate paper must recite the bar to which he has been admitted to practice as required by Rule 4.2.

If the applicant is not domiciled in the United States a domestic representative must be appointed, see Form 19 for appropriate paragraph.

2. APPLICATION FOR TRADE-MARK REGISTRATION BY A FIRM, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____ a firm domiciled in
(firm name)
_____, doing business at _____
(domicile) (business address)
and composed of the following members _____
(names of firm members)
_____ all citizens of _____ has adopted and used the
(citizenship of firm members)
trade-mark shown in the accompanying drawing for _____ in Class _____
(particular description of goods) (number and title of Class)
_____ and presents herewith five specimens (or facsimiles) showing the trade-mark as actually used in connection with such goods, the trade-mark being applied to _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946.

The trade-mark was first used on _____
(date)
and first used in commerce _____ which may lawfully be regulated by Congress on _____.
(date)

(Declaration)

_____ being duly sworn, deposes and says that he is a member of the firm of _____, the applicant named
(firm name)
in the foregoing statement, that he believes that said firm is the owner of the trade-mark, which is in use in commerce _____ and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens (or facsimiles) show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ its attorney (or agent) to prosecute this application for registration with full power of substitution and revocation, to transact all business in the Patent Office connected therewith, and to receive the certificate.

_____
(firm name)

By _____
(full signature of member of firm)

State of _____ }
County of _____ } ss

Before me personally appeared _____ to me known to be the person described in the above application for registration, who signed the foregoing instrument in my presence, and made

oath before me to the allegations set forth therein, on the _____ day of _____, 19____.

_____
(notary public)

Note: See Form 1 for appropriate notes.

3. APPLICATION FOR TRADE-MARK REGISTRATION BY A CORPORATION, PRINCIPAL REGISTER

To The Commissioner of Patents:

(Statement)

_____ a corporation (1) duly organized under the laws of _____ (state or country under which organized) _____ located at _____ (location of corporation) and doing business at _____ (business address) has adopted and used the trade-mark shown in the accompanying drawing for _____ (particular description of goods) _____ in Class _____ (number and title of Class) and presents herewith five specimens (or facsimiles) showing the trade-mark as actually used in connection with such goods, the trade-mark being applied to _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946.

The trade-mark was first used on _____ (date) and first used in commerce _____ which may lawfully be regulated by Congress on _____ (date).

(Declaration)

_____ (name of affiant), being duly sworn, deposes and says that he is the _____ (official title) of _____ (corporation (1) name), the applicant named in the foregoing statement, that he believes that said corporation (1) is the owner of the trade-mark which is in use in commerce _____ and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens (or facsimiles) show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ its attorney (or agent) to prosecute this application for registration with full power of substitution and revocation, to transact all business in the Patent Office connected therewith, and to receive the certificate.

_____
(name of applicant)

By _____
(full signature of officer)

_____
(official title)

State of _____ }
County of _____ } ss

Before me personally appeared _____ to me known to be the person described in the above application for registration, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein, on the _____ day of _____, 19____.

_____
(notary public)

Notes:

(1) If applicant is an association, the word "association" should be substituted for the word "corporation."

See Form 1 for other applicable notes.

6. APPLICATION FOR TRADE-MARK REGISTRATION CLAIMING CONCURRENT USE, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____, a citizen of _____ (citizenship) residing at _____ and doing business at _____ has adopted and is using the trade-mark shown in the accompanying drawing for _____ (particular description of goods) in Class _____ (number) _____ (title of Class) and presents herewith five specimens (or facsimiles) showing the trade-mark as actually used in connection with such goods, the trade-mark being applied to (1) _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946, for the goods stated above for the area comprising (2) _____.

The trade-mark was first used by applicant on (3) _____ (date) and first used by applicant in commerce (4) _____ which may lawfully be regulated by Congress on _____ (date).

(Exceptions to claim of exclusive use)

The following exceptions to applicant's claim of exclusive use are specified:

By _____ located and doing business at _____ and using the mark _____ (description of the mark and Registration No., or application, Serial No., if any) in connection with the following _____ (particular description of goods or services) the mark being used as follows _____ (mode of application or use) in the territory embracing the states of

_____ from _____ (date) to _____ (date); and,

By _____ located and doing business, etc.

(Declaration)

Applicant being duly sworn, deposes and says that he believes himself to be the owner of the trade-mark which is in use in commerce (4) _____ and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, except for the specified exceptions, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens (or facsimiles) show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 1.)

Notes:

(1) Insert "the goods"; "the containers for the goods"; "displays associated with the goods," and/or, "tags or labels affixed to the goods," as the case may be.

(2) Describe the area for which registration is desired.

(3) State the date on which the trade-mark was first used as a trade-mark whether or not in commerce which may lawfully be regulated by Congress.

(4) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

See Forms 2 and 3 for style of application by a firm and by a corporation.

9. APPLICATION FOR SERVICE MARK REGISTRATION, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____ (name of applicant) a citizen of _____ (citizenship) residing at _____ and doing business at _____ has adopted and is using the service mark shown in the accompanying drawing (1) for _____ (particular description of services) in Class _____ (number and title of class) and presents herewith (2) _____ showing the service mark as actually used in connection with the sale or advertising of such services; the service mark being used as follows: _____ (mode of application or use) and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946.

The service mark was first used on (3) _____ (date) and first used in the sale or advertising of services and the services rendered in commerce (4) _____ which may lawfully be regulated by Congress on _____ (date).

(Declaration)

Applicant being duly sworn, deposes and says that he believes himself to be the owner of the service mark, which is in use in commerce (4) _____ and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such service mark in commerce which may lawfully be regulated by Congress either in the identical form thereof, or in such near resemblance thereto as might be calculated to deceive; that the drawing (if any) and description truly represent the service mark sought to be registered; that (5) _____ show the service mark as actually used in connection with the sale or advertising of services, and that the facts set forth in the Statement are true.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 1.)

Notes:

(1) If drawing is not possible, see Rule 9.1, insert description of the mark instead of reference to the drawing.

(2) If specimens (or facsimiles) are not possible, see Rule 10.3, state the nature of other representation furnished.

(3) State the date on which the mark was first used as a service mark whether or not the services were rendered in commerce which may lawfully be regulated by Congress.

(4) Specify kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(5) Insert: "the specimens (or facsimiles)" or, state nature of other representation furnished.

See Forms 2 and 3 for style of application by a firm and by a corporation.

12. APPLICATION FOR COLLECTIVE MARK REGISTRATION, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____ (name of applicant) an association (1) duly organized under the laws of _____ (state or country under which organized) _____ located at _____ (location of association (1) and doing business at _____ (business address) has adopted and is exercising legitimate control over the use of the collective mark shown in the accompanying drawing for _____ (particular description of goods) in Class _____ (number and title of Class) and presents herewith five specimens (or facsimiles) showing the collective mark as actually used in connection

with such goods by members of such organization, the collective mark being applied to (2) _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946. The collective mark is used in connection with the goods to indicate (3) _____.

The collective mark was first used on (4) _____ (date) and first used in commerce (5) _____ which may lawfully be regulated by Congress on _____ (date)

(Declaration)

_____, _____ of (name of affiant) (official title) _____, the applicant named in (association (1) name) the foregoing statement, being duly sworn, deposes and says that he believes said association (1) is the owner of the collective mark which is in use in commerce (5) _____ and that, to the best of his knowledge and belief, no other person, firm, corporation or association has the right to authorize the use of, and no person, firm, corporation or association other than members has the right to use, such collective mark in commerce which may lawfully be regulated by Congress either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the collective mark sought to be registered, that the specimens (or facsimiles) show the mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 3.)

Notes:

(1) Or cooperative or other collective group or organization.

(2) Insert: "the goods"; "the containers for the goods"; "displays associated with the goods," and/or "tags or labels affixed to the goods," as the case may be.

(3) Membership in the organization or other appropriate statement.

(4) State the date on which the mark was first used as a collective mark whether or not in commerce which may lawfully be regulated by Congress.

(5) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

See Forms 1 and 2 for style of application by an individual and by a firm, and Form 9 for style of application for service mark.

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13. APPLICATION FOR CERTIFICATION MARK REGISTRATION, PRINCIPAL REGISTER

To the Commissioner of Patents:

(Statement)

_____ a corporation (1) duly (name of applicant) organized under the laws of _____ (state or country under which organized) _____ located at _____ (location of corporation) and doing business at _____ (business address) has adopted and is exercising legitimate control over the use of the certification mark shown in the accompanying drawing for _____ (particular description of goods) in Class _____ (number and title of Class) and presents herewith five specimens _____ (or facsimiles) showing the certification mark as actually used in connection with such goods by persons duly authorized by applicant, the certification mark being applied to (2) _____ and requests that the same be registered in the United States Patent Office on the Principal Register in accordance with the Act of July 5, 1946. The certification mark is used upon the goods to indicate (3) _____.

The certification mark was first used on (4) _____ (date) and first used in commerce (5) _____ which may lawfully be regulated by Congress on _____ (date).

(Declaration)

_____ being duly sworn, deposes (name of affiant) and says that he is the _____ (official title) of _____ (corporation (1) name) the applicant named in the foregoing statement; that he believes that said corporation (1) is the owner of the certification mark which is in use in commerce (5) _____ and that to the best of his knowledge and belief, no other person, firm, corporation or association, has the right to authorize the use of such mark and that no person, firm, corporation or association other than those duly authorized by applicant has the right to use the mark in commerce which may lawfully be regulated by Congress either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the certification mark sought to be registered, that the specimens (or facsimiles) show the certification mark as actually used in connection with the goo[illegible]hat the applicant itself is not engaged in the production or marketing of goods with which the mark is used, and that the facts set forth in the statement are true.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 3.)

Notes:

(1) If applicant is an association, the word "association" should be substituted for the word "corporation".

(2) Insert: "the goods"; "the containers for the goods"; "displays associated with the goods," and/or, "tags or labels affixed to the goods," as the case may be.

(3) Insert a statement that the mark certifies regional or other origin, material, mode of manufacture, quality, accuracy or other characteristic of such goods, or that the work or labor on the goods was performed by a member of a union or other organization, or other appropriate statement.

(4) State the date on which the mark was first used as a certification mark whether or not in commerce which may lawfully be regulated by Congress.

(5) Specify kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

See Forms 1 and 2 for style of application by an individual and by a firm and Form 9 for style of application for service mark.

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16. APPLICATION FOR TRADE-MARK REGISTRATION, SUPPLEMENTAL REGISTER

To the Commissioner of Patents:

(Statement)

_____, a citizen of _____ (citizenship) residing at _____ and doing business at _____ has adopted and is using the mark shown for _____ (particular description of goods) in Class _____ (number and title of Class) and presents herewith five specimens (or facsimiles) showing the mark as actually used in connection with such goods, the mark being applied to (1) _____ and requests that the same be registered in the United States Patent Office on the Supplemental Register in accordance with the Act of July 5, 1946.

The mark was first used on (2) _____ (date) and first used in commerce (3) _____ which may lawfully be regulated by Congress on _____, and has been in lawful use in (date) such commerce upon or in connection with the goods for the year preceding the filing of this application. (4)

(Declaration)

Applicant being duly sworn, deposes and says that he believes himself to be the owner of the mark, which is in use in commerce (3) _____ and that no other person, firm, corporation or association to the best of his knowledge and belief, has the right to use such mark in commerce which may lawfully be regulated by Congress, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing (if any) and description truly represent the mark sought to be registered, that the specimens (or facsimiles) show the mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 1.)

Notes:

(1) Insert: "the goods"; "the containers for the goods"; "displays associated with the goods," and/or "tags or labels affixed to the goods," as the case may be.

(2) State the date on which the trade-mark was first used as a trade-mark whether or not in commerce which may lawfully be regulated by Congress.

(3) Specify kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(4) If appropriate, substitute for last clause: "and applicant has begun the use of such mark in commerce between the United States and _____ (specify foreign country)." In the latter instance a separate showing should be submitted to the effect that domestic registration is required as a basis for foreign protection of said mark.

See Forms 2 and 3 for style of application by a firm and by a corporation.

See Forms 9, 12 and 13 for style of application for service, collective and certification marks.

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19. APPLICATION FOR TRADE-MARK REGISTRATION BASED ON FOREIGN REGISTRATION OR APPLICATION

To the Commissioner of Patents:

(Statement)

_____, a citizen of _____ (name) (citizenship) residing at _____ and doing business at _____ has adopted and is using the trade-mark shown in the accompanying drawing for _____ (particular description of goods) in Class _____ (number and title of Class) and presents herewith five specimens (or facsimiles) showing the trade-mark as actually used in connection with such goods, the trade-mark being applied to (1) _____ and requests that the same be registered in the United States Patent Office on the Principal (2) Register in accordance with the Act of July 5, 1946.

Such trade-mark has been registered in _____ (country) Registration No. _____ dated _____, and said registration is now in force and effect. (3)

(Declaration)

Applicant being duly sworn, deposes and says that he believes himself to be the owner of the trade-mark, which is in use as a trade-mark and that no other person, firm, corporation or association, to the best of his knowledge and belief, has the right to use such trade-mark in commerce which may lawfully be regulated by Congress, either in the identical form thereof or in such near resemblance thereto as might be calculated to deceive, that the drawing and description truly represent the trade-mark sought to be registered, that the specimens (or facsimiles) show the trade-mark as actually used in connection with the goods, and that the facts set forth in the statement are true.

(Domestic Representative)

_____ whose postal address is _____ (street), _____ (city), _____ (state) is designated as applicant's representative on

whom notices or process in proceedings affecting the mark may be served.

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ (4) _____ his attorney (or agent) to prosecute this application for registration with full power of substitution and revocation, to transact all business in the Patent Office connected therewith, and to receive the certificate.

_____
(signature)

_____ } ss
_____

Before me personally appeared _____ to me known to be the person described in the above application for registration, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein of the _____ day of _____ 19____.

_____ (5)
(Notary Public)

Notes:

(1) Insert "the goods"; "the containers for the goods"; "displays associated with the goods," and/or "tags or labels affixed to the goods," as the case may be.

(2) Or, "Supplemental," if appropriate.

(3) If the right of priority of an application filed in a foreign country is claimed, the following paragraph should be substituted:

"Application for registration of said trade-mark has been filed in _____ (country) on _____ (date), Registration No. _____ dated _____, and a right of priority based on this application is claimed."

If the registration has not yet been granted the registration number and date in this substitute paragraph may be left blank for subsequent insertion.

(4) If the attorney is not registered on the Patent Office Register the power of attorney or separate paper must recite the bar to which he has been admitted as required by Rule 4.2.

(5) If made in a foreign country the oath may be taken before any diplomatic or consular officer of the United States or before any official authorized to administer oaths in the foreign country concerned whose authority shall be proved by a certificate of a diplomatic or consular officer of the United States.

See Forms 2 and 3 for style of application by a firm and by a corporation.

See Forms 9, 12 and 13 for style of application for service, collective and certification marks.

21. APPLICATION FOR RENEWAL OF REGISTRATION BY AN INDIVIDUAL

To the Commissioner of Patents:

(Application)

_____, a citizen of (1) _____ (citizenship) residing at _____ (address) and doing business at _____ (business address) requests that Certificate of Registration No. _____ granted to _____ on _____ which he now owns as evidenced by the accompanying (2) _____ be renewed (3) in accordance with the provisions of section 9 of the Trade-Mark Act of July 5, 1946.

The renewal fee of $25.00 (4) is presented herewith.

(Affidavit)

Applicant, being duly sworn, deposes and says that he is the owner of Registration No. _____ and that the mark described therein is still in use in commerce (5) _____ and that the facts recited in the application are true.

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ (6) _____, his attorney (or agent) to prosecute this application for renewal with full power of substitution and revocation, to transact all business in the Patent Office connected therewith, and to receive the certificate.

_____
(signature)

State _____ } ss
County of _____

Before me personally appeared _____ to me known to be the person described in the above application for renewal, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein, on the _____ day of _____ 19____.

_____
(notary public)

Notes:

(1) If applicant is not domiciled in the United States, a domestic representative must be designated. See Form 19 for appropriate language for such designation.

(2) Abstract of title, or, title report, as the case may be.

(3) If the registration sought to be renewed is registered under the Act of March 19, 1920, here insert "on the Supplemental Register" and add the following paragraph:

"Renewal of Registration No. _____ is necessary to support Registration No. _____ registered in _____ (foreign country) on _____ (date)."

(4) If the application is a delayed application for renewal, the fee is $30.00.

(5) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(6) If the attorney is not registered on the Patent Office Register, the power of attorney or separate paper must recite the bar to which he has been admitted as required by Rule 4.2.

25. AFFIDAVIT UNDER SECTION 8

To the Commissioner of Patents:

_____, being duly sworn, deposes and says that he is the owner of Registration No. _____, dated _____ (1), as evidenced by the accompanying (2) _____; that the mark described therein is still in use (3) _____

(Power of Attorney)

The undersigned hereby appoints _____ of _____ State of _____ Registration No. _____ (4) _____ his attorney (or agent) to file this affidavit, with full power of substitution and revocation, and to transact all business in the Patent Office in connection therewith.

_____
(signature)

State of _____ } ss
County of _____

Before me personally appeared _____ to me known to be the person described in the foregoing affidavit, who signed the said affidavit in my presence, and made oath before me to the allegations set forth therein on the _____ day of _____ 19____.

_____
(notary public)

Notes:

(1) If the mark has been republished under the provisions of subsection (c) of section 12 of the Trade-Mark Act of 1946, add the following:

"and republished _____ (date of republication)"

(2) Abstract of title, or, title report, as the case may be.

(3) Recite sufficient facts to show that the mark is still in use and indicate the nature of such use, or, if the mark is not being used, recite sufficient facts to show that non-use is due to special circumstances which excuse such non-use and is not due to any intention of the owner to abandon the mark.

(4) If the attorney is not registered on the Patent Office Register, the power of attorney or a separate paper must recite the bar to which he has been admitted as required by Rule 4.2.

26. AFFIDAVIT UNDER SECTION 12(c)

To the Commissioner of Patents:

Registration No. _____

Dated _____

Act of _____

To _____ (registrant)

_____, being duly sworn, deposes and says that he is the owner of Registration No. _____, above identified, as evidenced by the accompanying (1) _____; that said registration is now in force; that the trade-mark described therein is in use in commerce (2) _____ on each of the following goods named in said registration, _____ _____ and claims the benefits of the Trade-Mark Act of 1946 for said trade-mark.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 25.)

Notes:

(1) Abstract of title, or, title report, as the case may be.

(2) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

27. AFFIDAVIT UNDER SECTION 15

To the Commissioner of Patents:

_____, being duly sworn, deposes and says that he is the owner of Registration No. _____, dated _____ (1), that the mark described in said registration has been in continuous use in commerce (2) _____ for five consecutive years, from _____ to _____, subsequent to the date of registration (or republication), on or in connection with the following _____ (particular description of goods or services) stated in the registration and that said mark is still in use in commerce (2) _____; that there has been no final decision adverse to affiant's claim of ownership of such mark (3) _____ or his right to register the same, or keep the same on the register, and, that there is no proceeding involving said rights pending in the Patent Office or in a court and not finally disposed of.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 25.)

Notes:

(1) If the mark has been republished under the provisions of subsection (c) of section 12 of the Trade-Mark Act of 1946, add the following:

"and republished _____ (date of republication)"

(2) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(3) Insert: "for such goods," or "for such services," as the case may be.

28. COMBINED AFFIDAVITS UNDER SECTIONS 8 AND 15

To the Commissioner of Patents:

_____,
being duly sworn, deposes and says that he is the owner of Registration No. _____, dated _____ (1), as evidenced by the accompanying (2)_____; that the mark described therein has been in continuous use in commerce (3)_____ for five consecutive years, from _____ to _____, subsequent to the date of registration, on or in connection with the following _____
(particular description of goods or services)
_____, stated in the registration; that the mark is still in use in commerce (4) _____
_____
_____;
that there has been no final decision adverse to affiant's claim of ownership of such mark (5)_____, or his right to register the same, or keep the same on the register, and, that there is no proceeding involving said rights pending in the Patent Office or in a court and not finally disposed of.

(Power of Attorney)

(Use Power of Attorney and Verification of Form 25.)

Notes:

(1) If the mark has been republished under the provisions of subsection (c) of section 12 of the Trade-Mark Act of 1946, add the following:
"and republished _____"
(date of republication)

(2) Abstract of title, or, title report, as the case may be.

(3) Specify the kind of commerce, such as: "among the several states"; "in commerce between foreign nations and the United States"; or specify other commerce which may lawfully be regulated by Congress, as the case may be.

(4) Recite sufficient facts to show that the mark is still in use and indicate the nature of such use, or, if the mark is not being used, recite sufficient facts to show that non-use is due to special circumstances which excuse such non-use and is not due to any intention of the owner to abandon the mark.

(5) Insert: "for such goods," or, "for such services," as the case may be.

31. NOTICE OF OPPOSITION

To the Commissioner of Patents:

In the matter of an application for the registration of a trade-mark for _____
(particular goods)
Serial No. _____ by
(number and date of application)
_____, _____
(name of applicant) (location or residence of applicant)
_____, which was published on page _____ of the Official Gazette of _____
(volume, number) (date of the Official Gazette)
_____, I _____,
(name of opposer)
residing at _____,
(residence or location of opposer)
believe I would be damaged by such registration, and I hereby oppose the registration of said trade-mark.

The grounds for opposition are as follows:

(Here state the specific grounds of opposition and facts tending to show why the opposer believes he would be damaged by the proposed registration.)

Two specimens of the mark as used by me are attached hereto.

_____, being duly sworn
(name of opposer)
(or affirmed), deposes and says that he is the party of that name mentioned in the foregoing notice of opposition, that he has read and signed the same and knows the contents thereof, and that the same is true of his own knowledge, except as to the matters therein stated to be alleged upon information and belief, and as to those matters he believes it to be true.

_____
(signature of opposer)

State of _____ }
County of _____ } ss

Subscribed and sworn to (or affirmed) before me this _____ day of _____.

_____
(notary public)

32. PETITION FOR CANCELLATION OF TRADE-MARKS

To the Commissioner of Patents:

In the matter of Trade-Mark Registration No. _____, registered _____
(number of registration) (date of registration)
_____, by _____,
(name of registrant)
of _____,
(residence or location of registrant)
I, _____, residing at _____
(name of petitioner) (residence or location of petitioner)
_____, deem myself damaged by said registration, and hereby petition for cancellation thereof.

The grounds for cancellation are as follows:

(Here state the specific grounds for cancellation and facts tending to show why the petitioner believes he is or will be damaged by the registration.)

Two specimens of the mark as used by me are attached hereto.

_____, being duly sworn (or affirmed), deposes and says that he is the party of that name mentioned in the foregoing petition for cancellation, that he has read and signed the same and knows the contents thereof, and that the same is true of his own knowledge, except as to the matters therein stated to be alleged upon information and belief, and as to those matters he believes it to be true.

_____
(signature)

State of _____ }
County of _____ } ss

Subscribed and sworn to (or affirmed) before me this _____ day of _____.

_____
(notary public)

33. APPEAL FROM THE EXAMINER OF TRADE-MARKS TO THE COMMISSIONER IN EX PARTE CASES

(Heading, Application or Registration)

To the Commissioner of Patents:

I hereby appeal to the Commissioner from the decision rendered_____, 19____, by the Examiner of Trade-Marks in the matter of my (1)_____
_____.

The following are assigned as reasons of appeal: (Here should follow an explicit statement of the alleged errors in the decision of the Examiner of Trade-Marks.)

_____
(name of applicant)

_____
(signature)

Note:

(1) Insert one of the following applicable clauses: "application for registration, Serial No. _____, filed _____ 19____," or "application for renewal of registration No. _____, dated _____," or "affidavit filed under Section 8 of the Trade-Mark Act of July 5, 1946, in Registration No. _____, dated _____."

34. APPEAL FROM THE EXAMINER OF INTERFERENCES TO THE COMMISSIONER IN CONTESTED OR INTER PARTES PROCEEDINGS

(1)_____ (3)_____
v.
(2)_____ No. _____

To the Commissioner of Patents:

I hereby appeal to the Commissioner from the decision rendered_____, 19____, by the Exminer of Interferences in the above identified proceeding. The following are the points of the decision on which appeal is taken: (Here should follow an explicit statement of the alleged errors in the decision appealed from).

_____
(name of appellant)

_____
(signature)

Notes:

(1) Name of party in position of plaintiff.
(2) Name of party in position of defendant.
(3) Type (Interference, Opposition, Cancellation or Concurrent Use) and identification number of proceeding.

35. ASSIGNMENT OF APPLICATION FOR REGISTRATION

Whereas_____, of the city of _____, county of_____ and State of_____, has adopted and used in his business a trade-mark for which he has filed application for registration, Serial No. _____ dated _____ 19____, in the United States Patent Office; and

Whereas_____, of the city of _____, county of_____ and State of_____, is desirous of acquiring said mark:

Now, Therefore, To All Whom it May Concern:

Be it known that for and in consideration of the sum of_____dollars and other good and valuable consideration to him paid, the receipt of which is hereby acknowledged, said _____ by these presents does sell, assign, and transfer, unto the said _____ the entire right, title, and interest in and to the said trade-mark and the good will of the business in connection with which the mark is used, (1), and the Commissioner of Patents is requested to issue the certificate of registration of said mark to said assignee.

State of_____ }
County of_____ } ss

Personally appeared before me the said_____ _____ and acknowledged the above instrument as his free act and deed this _____day of_____, 19____.

_____
(notary public)

Note:

(1) Or this phrase may read in appropriate circumstances:

"that part of the good will of the business connected with the use of and symbolized by the mark."

36. ASSIGNMENT OF REGISTERED MARK

Whereas _____, of the city of _____, county of _____, and State of _____, has adopted and used in his business a trade-mark, which is registered under No. _____, dated _____, 19____, in the United States Patent Office; and

Whereas _____, of the city of _____, county of _____, and State of _____, is desirous of acquiring said mark:

Now, Therefore, To All Whom it May Concern:

Be it known that for and in consideration of the sum of _____ dollars and other good and valuable consideration to him in hand paid, the receipt of which is hereby acknowledged, said _____ by these presents does sell, assign, and transfer, unto the said _____ the entire right, title, and interest in and to the said trade-mark

and the registration thereof, No. ----------, together with the good will of the business in connection with which the said mark is used (1) ----------

---

(signature)

State of ----------
} ss
County of ----------

Personally appeared before me the said ---------- and acknowledged the above instrument as his free act and deed this ---------- day of ----------, 19-----.

(notary public)

Note:

(1) Or the last phrase may read in appropriate circumstances:

"that part of the good will of the business connected with the use of and symbolized by the mark."

TRADE-MARKS

OFFICIAL GAZETTE, JULY 1, 1947

[VOL. 600. . No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 508,367. CARGILL, INCORPORATED, Minneapolis, Minn. Filed Aug. 31, 1946.



The exclusive right to the use of the representation of a shock of corn, apart from the mark shown, is disclaimed.

FOR CORN SEED.

Claims use since Aug. 16, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 505,813. FRED ENGEL, doing business as U. S. Specialties Co., New York, N. Y. Filed July 18, 1946.

PEDIGREE

FOR DOG GARMENTS OF ALL KINDS—NAMELY, SWEATERS, BLANKETS, COATS, PAJAMAS, AND RAINCOATS.

Claims use since July 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 503,130. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 31, 1946. Under 10-year proviso.



The word "Soap" is disclaimed apart from the mark. The drawing is lined to show the colors, red and pink, but no claim is made to the colors per se.

FOR SOAP.

Claims use since 1893 as to "Lava"; and since December 1944 as to mark as shown.

Ser. No. 508,810. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Sept. 10, 1946.

OROSET

FOR SYNTHETIC DETERGENT, WHICH IS ALSO A WETTING AND FOAMING AGENT.

Claims use since on or about Aug. 7, 1946.

CLASS 5

ADHESIVES

Ser. No. 515,679. GEORGE L. PHILLIPS, doing business under the name Phillips Plastic Co., Newkirk, Okla. Filed Jan. 13, 1947.



No rights are claimed for the drum apart from the mark.
FOR ADHESIVE CEMENT FOR UNITING PARTS OF ARTICLES MANUFACTURED FROM WOOD, METAL, GLASS, LEATHER, AND POTTERY, OR THE LIKE.
Claims use since Dec. 19, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 475,781. JOHN T. STANLEY CO., INC., New York, N. Y. Filed Oct. 27, 1944.

Pompadour

FOR HAND LOTION.
Claims use since Nov. 1, 1941.

Ser. No. 486,750. S. BUCHSBAUM & CO., Chicago, Ill. Filed Aug. 6, 1945.

Style King

FOR MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, COLOGNE, SHAMPOO, TALCUM POWDER, TOOTH PASTE, TOOTH POWDER AND DEODORANT.
Claims use since Mar. 2, 1943.

Ser. No. 501,789. THOMAS UNG., doing business as United China Trading Co., Los Angeles, Calif. Filed May 9, 1946.

GUNG HO

FOR HAIR OIL, BRILLIANTINE, TOILET WATER, WAVE SET, A PREPARATION FOR SETTING THE HAIR, AND COLD CREAM.
Claims use since Apr. 2, 1946.

Ser. No. 504,791. RILEY & GEEHR, INC., Chicago, Ill. Filed June 28, 1946.

ARMATEX

FOR PLASTIC MASKING COMPOUNDS HAVING A TEMPORARY USE IN MASKING OUT SURFACES OF STEEL MEMBERS, WHICH HAVE BEEN PAINTED, PRELIMINARY TO BAKING AND FOR GENERAL MASKING PURPOSES.
Claims use since June 17, 1946.

Ser. No. 505,672. HELEN M. THOMPSON, doing business as Amigo Laboratories, San Francisco, Calif. Filed July 15, 1946.

amigo

FOR PINE OIL DISINFECTANT.
Claims use since Aug. 20, 1945.

Ser. No. 505,835. RAYMOND HURWITZ, doing business as Dentocain Co., Hartford, Conn. Filed July 18, 1946.

DENTOCAIN

FOR TEETHING LOTION.
Claims use since May 1, 1937.

Ser. No. 506,192. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed July 24, 1946.



FOR COMPOUND FOR TREATING DYSPEPSIA.
Claims use since 1908.

Ser. No. 506,439. JACOB W. FRANKEL, doing business as The Minimax Co., Chicago, Ill. Filed July 29, 1946.

MINIMAX

FOR DENTAL LOCAL ANESTHETIC.
Claims use since April 1935.

Ser. No. 506,560. THOMAS H. URDAHL, Orlando, Fla., assignor to Dry Air Products Corporation, Orlando, Fla. Filed July 30, 1946.

DESICAN

FOR DESICCANT.
Claims use since Mar. 10, 1946.

Ser. No. 507,154. EMIL E. SWANSON, doing business as Emil Swanson Remedy Co., Vernon Center, Minn. Filed Aug. 9, 1946.

BRONZE TURECKSPEIN

Applicant disclaims any exclusive right to the use of the word "Bronze" except in the association shown.
FOR REMEDY FOR THE TREATMENT OR CURE OF BLACKHEAD, A DISEASE COMMON TO TURKEYS, PEACOCKS, AND OTHER POULTRY.
Claims use since May 18, 1946.

Ser. No. 508,001. SHERMAN PERR, Newark, N. J. Filed Aug. 24, 1946.

RATTAN

FOR GENTLEMEN'S TOILETRIES CONSISTING OF TOILET WATERS, EAU DE COLOGNES, AFTER SHAVING LOTIONS, ANTISEPTIC LOTIONS, FACE POWDERS, BATH POWDERS, TALCUM POWDERS, FACE CREAMS, HAIR TONICS, AND PERSONAL DEODORANTS.
Claims use since June 29, 1946.

Ser. No. 508,003. SHERMAN PERR, Newark, N. J. Filed Aug. 24, 1946.

OAKEN BUCKET

No claim is made to a container in the shape of and/or simulating an oaken bucket in any detail.
FOR GENTLEMEN'S TOILETRIES CONSISTING OF TOILET WATERS, EAU DE COLOGNE, AFTER SHAVING LOTIONS, ANTISEPTIC LOTIONS, FACE POWDERS, BATH POWDERS, TALCUM POWDERS, FACE CREAMS, HAIR TONICS, AND PERSONAL DEODORANTS.
Claims use since June 29, 1946.

Ser. No. 508,550. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 5, 1946.

PAZILLIN

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Sept. 4, 1946.

Ser. No. 508,552. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept, 5, 1946.

THERAVEL

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Sept. 4, 1946.

Ser. No. 508,554. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 5, 1946.

PAZAVEN

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Sept. 4, 1946.

Ser. No. 508,612. PERMACIDE CHEMICAL CORP., Wilmington, Del. Filed Sept. 6, 1946.



dream house

FOR HOUSEHOLD AMMONIA AND BLEACHING COMPOUND HAVING SODIUM HYPOCHLORITE AS ACTIVE INGREDIENT.
Claims use since July 26, 1946.

Ser. No. 508,705. BOYLE AND COMPANY, Los Angeles, Calif. Filed Sept. 9, 1946.

HEMASTHESIA

FOR RECTAL SUPPOSITORIES AND OINTMENT FOR THE RELIEF OF PILES.
Claims use since June 1, 1937.

Ser. No. 509,188. THOMAS H. URDAHL, Orlando, Fla., assignor to Dry Air Products Corporation, Orlando, Fla. Filed Sept. 16, 1946.

DESICAN

FOR DESICCANT.
Claims use since Mar. 10, 1946.

Ser. No. 509,408. ELUR COMPANY, New York, N. Y. Filed Sept. 20, 1946.

Elur

FOR VITAMIN CAPSULES.
Claims use since Sept. 3, 1946.

Ser. No. 509,565. COLGATE PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Sept. 23, 1946.

Distinguished Service

FOR AFTER SHAVE LOTION.
Claims use since Sept. 4, 1946.

Ser. No. 518,121. PROCESS IMPROVEMENT COMPANY, Dearborn, Mich. Filed Feb. 25, 1947.

KUL-ENE

FOR CHEMICAL COMPOSITIONS OR PREPARATIONS FOR REMOVING SCALE FROM METALS.
Claims use since Feb. 3, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 508,983. DISTILLATION PRODUCTS, INC., Rochester, N. Y. Filed Sept. 13, 1946.

MYVALUBE

FOR LUBRICATING OILS.
Claims use since Aug. 19, 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 493,107. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Dec. 12, 1945.

TRANSFAX

FOR MATERIALS FOR USE IN INDUSTRIAL PHOTOGRAPHY—NAMELY, PRIMERS FOR PREPARING SURFACES FOR A LIGHT SENSITIVE LAYER, AND LACQUERS FOR OVERCOATING PHOTOGRAPHIC LAYERS.
Claims use since Jan. 9, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 478,942. BELLE ELECTRONICS CORP., Brooklyn, N. Y. Filed Jan. 24, 1945.

Belle Electronics

Applicant disclaims the word "Electronics" apart from the mark shown.
FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Jan. 6, 1945.

Ser. No. 506,867. GLOBE INDUSTRIES INC., Dayton, Ohio. Filed Aug. 5, 1946.

MOTO-MITE

FOR ELECTRIC MOTORS.
Claims use since 1942.

Ser. No. 508,388. THE OKONITE COMPANY, Passaic, N. J. Filed Aug. 31, 1946.

OKOLOY

FOR INSULATED COPPER CONDUCTORS COATED WITH A LEAD ALLOY FOR PROTECTING THE CONDUCTOR AGAINST SULPHUR AND SULPHUR ACID ATTACK.
Claims use since 1928.

Ser. No. 511,685. JUBILEE MANUFACTURING COMPANY, Omaha, Nebr. Filed Oct. 29, 1946.

JUBILEE

FOR AUTOMATIC VOLTAGE REGULATORS AND HEADLIGHT RELAYS.
Claims use since July 31, 1939.

Ser. No. 512,694. PHILHARMONIC RADIO CORPORATION, New York, N. Y. Filed Nov. 15, 1946.

Philharmonic

FOR RADIO RECEIVING APPARATUS, RADIO-TELEVISION RECEIVING APPARATUS, COMBINATION RADIO RECEIVING-ELECTRIC PHONOGRAPH APPARATUS, ELECTRIC PHONOGRAPH RECORDING AND REPRODUCING APPARATUS, AND PARTS THEREOF.
Claims use since Feb. 7, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 495,652. JOE BONOMO, doing business as Bonomo Culture Institute, New York, N. Y., assignor to Mini-Gym Corporation, New York, N. Y. Filed Jan. 30, 1946.

"MINI-GYM"

The word "Gym" is disclaimed apart from the mark.
FOR EXERCISING DEVICES.
Claims use since May 1, 1945.

Ser. No. 501,787. TONE PRODUCTS CORP. OF AMERICA, New York, N. Y. Filed May 9, 1946.

Strike 3

The representation of a large and small baseball are disclaimed, except as used in the mark.
FOR BASEBALL GAME.
Claims use since Apr. 9, 1946.

Ser. No. 509,703. ISADORE HOROWITZ, doing business as Universal Manufacturing Company, Bossier City, La. Filed Sept. 25, 1946.

SKY SKOOTER

No claim is made to the word "Skooter" apart from the mark as shown.
FOR PLAYGROUND EQUIPMENT—NAMELY, DOUBLE-SEATED PUMPING SWINGS.
Claims use since Apr. 23, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 501,972. JOSEPH R. GERBER, Portland, Oreg. Filed May 13, 1946.

BALMUNG

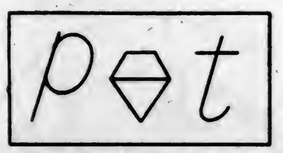
FOR CARVING KNIVES.
Claims use since December 1940.

Ser. No. 501,973. JOSEPH R. GERBER, Portland, Oreg. Filed May 13, 1946.

JOYEUSE

FOR CARVING KNIVES.
Claims use since December 1940.

Ser. No. 505,617. PRECISION DIAMOND TOOL COMPANY, Elgin, Ill. Filed July 13, 1946.



No exclusive right to the representation of a diamond apart from the mark as shown is claimed.

FOR SINGLE AND MULTIPLE DIAMOND TIPPED TOOLS—NAMELY, WHEEL DRESSERS, THREAD DRESSERS, RADIUS FORMING TOOLS AND THREAD FORMING AND GRINDING TOOLS; MILLS, BURRS, AND COUNTERSINKS; AND CUTTING SAWS.

Claims use since September 1942.

Ser. No. 511,445. BLACKSTONE MANUFACTURING CO., INC., Chicago, Ill. Filed Oct. 25, 1946.

B-M-C

FOR AUTOMOBILE FUEL PUMPS.
Claims use since Sept. 27, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 511,783. AMERICAN ZYLOPTIC COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 31, 1946.

Admiration

FOR OPHTHALMIC MOUNTINGS.
Claims use since Oct. 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 493,909. BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Dec. 27, 1945.



The words "Bell & Gossett Company" are disclaimed apart from the mark as shown.

FOR REFRIGERATING APPARATUS—NAMELY, CONDENSERS, EVAPORATORS OR CHILLERS, COMPRESSORS, AND CONTROLS.

Claims use since May 1, 1943.

Ser. No. 521,823. FREDERICK H. RHODES, Madison, N. J. Filed May 3, 1947.

TWILFIL

FOR FILTER CLOTHS.
Claims use since Jan. 29, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 499,144. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed Mar. 28, 1946.



FOR CRIB MATTRESSES, AND JUVENILE ACCESSORIES—NAMELY, PLAY PEN PADS, BASSINETTE PADS, CARRIAGE PADS, HIGH CHAIR PADS, PADDED TOILET SEAT COVERS FOR NURSERY USE, AND CRIB BUMPER PADS.

Claims use since February 1944.

Ser. No. 503,604. SEALY, INCORPORATED, Chicago, Ill. Filed June 10, 1946. Under the act of February 20, 1905, as amended June 10, 1938; and under section 5b of the act of 1905 as amended in 1920 as to "Sealy."

Sealy Rest



SEALY MATTRESS COMPANY

The words "Mattress" and "Company" which appear on the drawing are disclaimed apart from the mark. The picturization of the woman reclining on a cloud is fanciful. The combination of words "Sleeping on a Sealy is Like Sleeping on a Cloud" is a slogan of which the word "Sleeping" is disclaimed apart from the mark.

FOR MATTRESSES AND BOX SPRINGS.

Claims use since July 1, 1930; and since Jan. 1, 1889 as to "Sealy."

CLASS 37

PAPER AND STATIONERY

Ser. No. 508,839. FABRIQUE SUISSE DE CRAYONS CARAN D'ACHE, Geneva, Switzerland. Filed Sept. 11, 1946.

"CARAN-D'ACHE,,

FOR PENCILS.
Claims use since Jan. 16, 1924.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 507,081. JULES STEINBERG, New York, N. Y. Filed Aug. 8, 1946.

THE National Record

FOR NEWS LETTER OR PERIODICAL PUBLISHED FROM TIME TO TIME CONCERNING THE HAPPENINGS OF EVENTS IN CONGRESS AND WASHINGTON, D. C.

Claims use since Apr. 1, 1946.

Ser. No. 508,558. TRAVELTIME PUBLISHING CO., INC., New York, N. Y. Filed Sept. 5, 1946.

TRAVELTIME

FOR PERIODICAL PUBLISHED MONTHLY.
Claims use since Aug. 29, 1946.

Ser. No. 509,669. PATCHES PUBLICATIONS, INC., New York, N. Y. Filed Sept. 24, 1946.

Patches

FOR CARTOON PERIODICAL AND FOR CARTOONS PUBLISHED IN A SERIES CONSISTING OF ILLUSTRATED ARTICLES AND PICTURE STRIPS PUBLISHED IN PERIODICALS.

Claims use since Feb. 13, 1946.

Ser. No. 510,239. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Oct. 4, 1946.

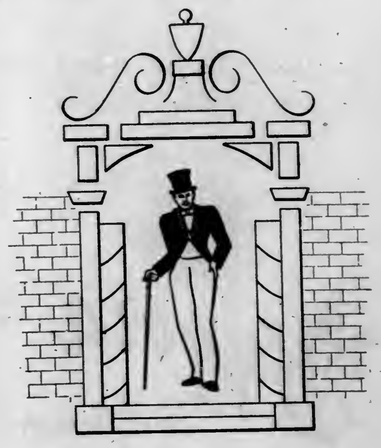
Kodachrome

FOR PHOTOGRAPHIC PRINTS AND PHOTOGRAPHIC ENLARGEMENTS.
Claims use since Apr. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 487,551. GEORGE L. GRODBERG, doing business as George L. Grodberg Company, Boston, Mass. Filed Aug. 25, 1945.



The picture of the man forming a feature of the trademark is fanciful.

FOR MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, SPORT JACKETS, LOAFER COATS, AND SPORT PANTS.

Claims use since May 1, 1944.

Ser. No. 494,420. AMERICAN NEEDLECRAFTS, INC., New York, N. Y. Filed Jan. 8, 1946.

ila

FOR BED JACKETS, ROBES, SACQUES, BONNETS, AND BIBS.
Claims use since 1929.

Ser. No. 503,310. MUNSINGWEAR, INC., Minneapolis, Minn. Filed June 5, 1946.

BABY DOLL

FOR WOMEN'S AND GIRLS' PANTIES.
Claims use since May 13, 1946.

Ser. No. 505,040. CALTEX SPORTSWEAR CO. OF CALIFORNIA, INC., Los Angeles, Calif. Filed July 3, 1946.

PULLMAN PALS

No claim is made to the word "Pullman" apart from the mark.

FOR PAJAMAS AND LOUNGING ROBES.
Claims use since Apr. 17, 1946.

Ser. No. 507,639. THE KENTUCKY LOOMS, INC., Louisville, Ky. Filed Aug. 19, 1946.

Kyqora by Kyloom

FOR MEN'S AND WOMEN'S NECKWEAR, AND HEADPIECES—VIZ., SCARFS AND SHAWLS WORN AS HEADCOVERINGS.
Claims use since August 1945.

Ser. No. 510,366. SYBIL MILLS, INC., Williamsport, Pa., and New York, N. Y. Filed Oct. 5, 1946.

Syblime

FOR LADIES' NIGHTGOWNS AND SLIPS.
Claims use since May 16, 1946.

Ser. No. 510,510. JOHN P. HALL, doing business as Nylcotwist Company, Dallas, Tex. Filed Oct. 9, 1946.

NYLCOTWIST

FOR MEN'S HOSIERY AND UNDERSHIRTS, MEN'S CREW SHIRTS AND SPORT SHIRTS, LADIES' UNDERWEAR AND SLIPS, AND LADIES' AND CHILDREN'S ANKLETS.
Claims use since Apr. 24. 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 502,671. THE UNITED STATES FINISHING COMPANY, Norwich, Conn. Filed May 23, 1946.

USF

FOR FABRICS—NAMELY, COTTON PIECE GOODS.
Claims use since Apr. 18, 1946.

Ser. No. 508,961. W. A. BALLINGER & CO., San Francisco, Calif. Filed Sept. 13, 1946.

BALFAX

FOR COTTON PIECE GOODS, TOWELING, SHEETS, PILLOW CASES, AND SPREADS.
Claims use since Aug. 5, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 487,262. THE KENDALL COMPANY, Walpole, Mass. Filed Aug. 18, 1945.

K

The mark consists of the letter "K".
FOR SANITARY NAPKINS AND NURSES' MASKS.
Claims use since Mar. 1, 1940.

Ser. No. 500,950. CONSOLIDATED GROCERS CORPORATION, Chicago, Ill. Filed Apr. 26, 1946.

Richelieu

FOR TOOTHPICKS.
Claims use since March 1910.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 487,081. JENNARDS, INC., Chicago, Ill. Filed Aug. 13, 1945.

JENNARD'S

FOR JAMS, JELLIES, FRUIT PRESERVES, CANNED FRUITS, BISCUITS, CAKES, COOKIES, CANDIES, SHELLED NUTS, CANNED FISH, CANNED CHICKEN, CANNED PICKLES, CANNED OLIVES, CANNED PICCALILLI, TEA LEAVES AND HONEY.
Claims use since Apr. 8, 1945.

Ser. No. 493,195. J. E. T. PHARMACAL CO., Allentown, Pa. Filed Dec. 13, 1945.

Edjol

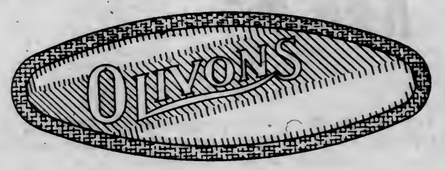
The portrait shown on the drawing is fanciful.
FOR MARSHMALLOW CREAM, FUDGE ICING, PREPARED MUSTARD, WORCESTERSHIRE SAUCE, BAKING POWDER, IMITATION VANILLA, EXTRACT FOR FOOD FLAVORING PURPOSES, FOOD FLAVORING EXTRACTS, AND SPICES—NAMELY, BLACK PEPPER, CLOVES, CELERY SEED, MUSTARD SEED, CINNAMON, MUSTARD, PAPRIKA, NUTMEG, ALLSPICE, RED PEPPER, TURMERIC, GINGER, AND CURRY POWDER.
Claims use since 1912.

Ser. No. 506,903. TERMINAL ISLAND SEA FOODS, LTD., Terminal Island, Calif. Filed Aug. 5, 1946.



No claim is made to the word "Sea" or to the representation of the fish apart from the mark as shown. Applicant is owner of Reg. No. 400,011, dated Feb. 9, 1943, for the trade-mark "Sea Knight." The representation of the boy is fanciful.
FOR CANNED FISH—NAMELY, TUNA.
Claims use since June 11, 1946, to the mark as shown; and since Sept. 26, 1941, for "Sea Knight."

Ser. No. 508,991. FALCON PACKING CO., New York, N. Y. Filed Sept. 13, 1946.



The drawing is lined for shading only.
FOR OLIVES STUFFED WITH PEARL ONIONS.
Claims use since Oct. 16, 1917.

Ser. No. 509,015. LECITHIN INC., Jersey City, N. J. Filed Sept. 13, 1946.



FOR LECITHIN, AN OIL SOLUBLE EMULSIFIER FOR FOOD PURPOSES.
Claims use since July 31, 1946.

Ser. No. 509,016. LECITHIN INC., Jersey City, N. J. Filed Sept. 13, 1946.



FOR LECITHIN, AN OIL SOLUBLE EMULSIFIER FOR FOOD PURPOSES.
Claims use since July 31, 1946.

Ser. No. 510,119. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y. Filed Oct. 2, 1946.

KEL·RICH

Applicant is the owner of trade-mark registration No. 278,160 of Dec. 9, 1930. Applicant disclaims the term "Rich" apart from the mark as shown.

FOR EDIBLE OILS—NAMELY, VEGETABLE OIL SHORTENING.

Claims use since June 18, 1946.

Ser. No. 510,120. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y. Filed Oct. 2, 1946.

KEL·BLEND

Applicant is the owner of trade-mark registration No. 278,160 of Dec. 9, 1930. Applicant disclaims the term "Blend" apart from the mark as shown.

FOR EDIBLE OILS—NAMELY, VEGETABLE OIL SHORTENING.

Claims use since June 18, 1946.

Ser. No. 510,128. J. STROMEYER COMPANY, Philadelphia, Pa. Filed Oct. 2, 1946.

TURKEY



Applicant is the owner of Reg. No. 136,205. The mark consists in the word "Turkey" in association with the representation of a turkey.

FOR TABLE SYRUPS AND MOLASSES.

Claims use since 1901.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 508,095. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 27, 1946.

CELCON

FOR RETICULAR METALLIC AND/OR TEXTILE BASE COVERED WITH A FILM OR COATING OF A CELLULOSE DERIVATIVE, SUITABLE FOR USE AS A SUBSTITUTE FOR GLASS.

Claims use since Aug. 19, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

JULY 1, 1947

430,879. COPPER OLEATE IN PASTE OR SOLUTION FORM, SPECIFICATION CREOSOTE, COMMERCIAL CREOSOTE OIL, AND LIGHT CREOSOTE OIL. AMERICAN TAR COMPANY, Seattle and Spokane, Wash.

Filed March 11, 1944. Serial No. 468,215. PUBLISHED MARCH 18, 1947. Class 6.

430,880. SPECIAL ANISETTE. NICOMEDES GARCIA GOMEZ, Segovia, Spain.

Filed June 10, 1944. Serial No. 471,118. PUBLISHED APRIL 15, 1947. Class 49.

430,881. RACKS FOR DISPLAYING MERCHANDISE. PHILCO CORPORATION, Philadelphia, Pa.

Filed August 9, 1944. Serial No. 473,120. PUBLISHED APRIL 8, 1947. Class 32.

430,882. EMULSIFIED NASAL DROPS AND SPRAY. CHARLES A. NITSCH, doing business as C. A. Nitsch Company, Elkridge, Md.

Filed November 6, 1944. Serial No. 476,170. PUBLISHED APRIL 15, 1947. Class 6.

430,883. BARBERS' ARMCHAIRS, BEDROOM SUITES, BEDSTEADS, CAMP STOOLS, CARD TABLES, CHAIRS AND TABLES FOR GENERAL USE, CLOTHES STANDS, EASELS, ETAGERES, FLOWER TABLES AND STANDS, ETC. THONET BROTHERS, INC., New York, N. Y.

Filed December 28, 1944. Serial No. 478,018. PUBLISHED MARCH 18, 1947. Class 32.

430,884. LIQUID COATING MATERIAL USED AS A SUBSTITUTE FOR SURGICAL ADHESIVE PLASTER FOR USE IN FORMING A FILM OVER WOUNDS. CLAY-ADAMS COMPANY, INC., New York, N. Y.

Filed December 29, 1944. Serial No. 478,030. PUBLISHED JULY 16, 1946. Class 6.

430,885. VITAMIN PREPARATION. PAUL JOHN GUNDLACH, doing business as Fremont Products Company, Lakewood and Cleveland, Ohio.

Filed January 8, 1945. Serial No. 478,386. PUBLISHED APRIL 1, 1947. Class 6.

430,886. TOILETRIES AND COSMETICS—NAMELY, PERFUME, COLOGNE, TOILET WATER, SACHET POWDERS, AND SACHET CREAMS, DUSTING POWDER, BATH OILS, AND FACE POWDER. WELEDA, INC., New York, N. Y.

Filed January 17, 1945. Serial No. 478,727. PUBLISHED APRIL 8, 1947. Class 6.

430,887. HAIR DRESSING, SHAMPOO, HAND LOTION, SMELLING SALTS, AFTER-SHAVE LOTION, DENTIFRICE, LAXATIVE, NASAL CREAM, AND DOUCHE POWDER. OTIS CLAPP & SON, INC., Boston, Mass.

Filed February 15, 1945. Serial No. 479,833. PUBLISHED JULY 16, 1946. Class 6.

430,888. DISINFECTANTS, GERMICIDES, AND ANTISEPTICS. VESTAL CHEMICAL COMPANY, St. Louis, Mo.

Filed March 8, 1945. Serial No. 480,682. PUBLISHED APRIL 1, 1947. Class 6.

430,889. HYDROGENATED LANOLIN USED FOR COSMETICS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.

Filed March 9, 1945. Serial No. 480,700. PUBLISHED MAY 29, 1945. Class 6.

430,890. SALVE FOR SORES, ERUPTIONS OF THE SKIN, AND ESPECIALLY PILES. HOXWORTH AND HOXWORTH, doing business under the name "Ed Hoxworth," Waco, Tex.

Filed March 10, 1945. Serial No. 480,769. PUBLISHED APRIL 8, 1947. Class 6.

430,891. DRY GIN, ANISETTE, WHISKEY, MOTHER RUM, ORANGE CREAM, CREAM OF CACAO, CREAM OF MINT, CREAM OF COGNAC, CURACAO, MARRASQUINO, BRANDIES OF ALL KINDS, AND RUM. JUAN JOSE DEL COLLADO, Santa Clara, Cuba.

Filed April 9, 1945. Serial No. 481,885. PUBLISHED APRIL 15, 1947. Class 49.

430,892. FEEDERS FOR CONTINUOUSLY AND AUTOMATICALLY PROPORTIONATELY FEEDING POWDERED OR GRANULAR MATERIAL SUCH AS VITAMIN CONCENTRATES, DRY BLEACH, MALT, BROMATE AND THE LIKE, INTO A MASS OF MATERIAL TO BECOME A PART THEREOF. OMEGA MACHINE CO., Providence, R. I.

Filed May 7, 1945. Serial No. 483,079. PUBLISHED APRIL 15, 1947. Class 26.

430,893. MATTRESSES, PLAYARDS, CRIBS, BEDS, CHAIRS, HIGH CHAIRS, CHIFFOROBES, DOOR AND PORCH SWINGS OF THE GLIDER TYPE FOR BABIES AND CHILDREN, CHAIRS AND AUXILIARY SEATS APPLICABLE TO CHAIRS, AND BASSINETS FOR BABIES' SLEEPING PURPOSES. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.

Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 483,737. PUBLISHED APRIL 15, 1947. Class 32.

430,894. SOLVENT PARTICULARLY ADAPTED FOR CLEANING AND PREVENTING RUST AND SCALE IN RADIATORS AND COOLING SYSTEMS. THE RICHMOND CHEMICAL COMPANY, INC., Tulsa, Okla.

Filed June 15, 1945. Serial No. 484,591. PUBLISHED APRIL 1, 1947. Class 6.

430,895. FLUID EXTRACT BELLADONNA LEAVES; FLUID EXTRACT CASCARA SAGRADA; FLUID EXTRACT COLCHICUM; FLUID EXTRACT COTTONROOT BARK; FLUID EXTRACT ERGOT; FLUID EXTRACT GENTIAN, ETC. SCHIEFFELIN & CO., New York, N. Y.

Filed July 10, 1945. Serial No. 485,655. PUBLISHED APRIL 1, 1947. Class 6.

430,896. MIXTURE OF INGREDIENTS FOR MAKING INSECTICIDES AND FUNGICIDES. COOPERATIVE SEED & FARM SUPPLY SERVICE, INC., Richmond, Va.

Filed July 18, 1945. Serial No. 485,942. PUBLISHED APRIL 8, 1947. Class 6.

430,897. SKIN PROTECTING COMPOUND. THE PHILOM COMPANY, Canton and Akron, Ohio.

Filed July 27, 1945. Serial No. 486,383. PUBLISHED APRIL 8, 1947. Class 6.

430,898. MEDICINAL PREPARATION TO REGULATE THE CIRCULATION OF THE BLOOD, TO BE TAKEN INTERNALLY. JEAN LA CAMERA, Vincennes, France.

Filed August 23, 1945. Serial No. 487,475. PUBLISHED MARCH 18, 1947. Class 6.

430,899. SKIN LOTIONS. STEPHEN HERCZOG, doing business as Hereo Chemical Co., Sydney, New South Wales, Australia.
Filed August 28, 1945. Serial No. 487,678. PUBLISHED APRIL 1, 1947. Class 6.

430,900. PREPARATION FOR INTERNAL TREATMENT OF ASTHMA, BRONCHIAL AFFECTIONS, CATARRH, HAY FEVER, BRONCHITIS, INFLUENZA, AND WHOOPING COUGH. ELIZABETH F. RIETTE, doing business as Texatone Co., Methuen, Mass.
Filed August 28, 1945. Serial No. 487,692. PUBLISHED SEPTEMBER 3, 1946. Class 6.

430,901. PLASTIC SUBSTANCES SOLD IN SOLID AND IN SOLUTION FORM. THE SOLID IS MELTED AND THE OBJECTS ARE DIPPED THEREIN, ETC. MAAS & WALDSTEIN COMPANY, Newark, N. J.
Filed September 12, 1945. Serial No. 488,354. PUBLISHED MARCH 25, 1947. Class 6.

430,902. BATH SALTS, BATH OILS, HAND LOTION, HAND CREAM, TOILET WATER, MASCARA, EYEBROW AND EYELASH DARKENER, ETC. PRIMROSE HOUSE, INC., New York, N. Y.
Filed September 15, 1945. Serial No. 488,548. PUBLISHED SEPTEMBER 3, 1946. Class 6.

430,903. FACE POWDER. JACQUELINE COCHRAN, New York, N. Y.
Filed September 25, 1945. Serial No. 488,952. PUBLISHED MARCH 18, 1947. Class 6.

430,904. BASE EXCHANGE MATERIAL COMMONLY KNOWN AS CARBONACEOUS OR ORGANIC TYPE ZEOLITE USED IN WATER CONDITIONING EQUIPMENT TO SOFTEN HARD WATER. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill.
Filed October 1, 1945. Serial No. 489,206. PUBLISHED MARCH 25, 1947. Class 6.

430,905. BLEACH SOLUTION. HOWERTON GOWEN, doing business as Howerton Gowen Company, Roanoke Rapids, N. C.
Filed October 3, 1945. Serial No. 489,327. PUBLISHED APRIL 1, 1947. Class 6.

430,906. MEDICINAL PREPARATION FOR USE AS AN ANTACID AND ALKALIZER. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 8, 1945. Serial No. 489,628. PUBLISHED MARCH 18, 1947. Class 6.

430,907. WINE, ESPECIALLY WINE OF THE CHAMPAGNE TYPE. HIJOS DE PABLO ESPARZA BODEGAS NAVARRAS S. A., Villava, Spain.
Filed October 11, 1945. Serial No. 489,803. PUBLISHED APRIL 8, 1947. Class 47.

430,908. PLAYGROUND EQUIPMENT—NAMELY, SWINGS, SEESAWS, SLIDING BOARDS, CHINNING BARS, CLIMBING LADDERS FOR CHILDREN'S PLAY, HAMMOCK FRAMES, TENNIS RACQUETS, TENNIS COURT NETS, AND BADMINTON SETS. SAM BEYCHOK, Shreveport, La.
Filed October 18, 1945. Serial No. 490,098. PUBLISHED APRIL 15, 1947. Class 22.

430,909. CUSHIONS, MATTRESSES AND MATTRESS PADS, MATTRESSES AND MATTRESS PADS FOR AMBULANCE COTS, AND OFFICE CHAIR CUSHIONS. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y.
Filed October 23, 1945. Serial No. 490,365. PUBLISHED MARCH 25, 1947. Class 32.

430,910. LIQUID AND POWDER INSECTICIDES AND INSECT REPELLENTS. ASSOCIATED PRODUCTS, INC., Chicago, Ill., assignor to Harry Shapiro, doing business as Chemical Specialties Company, New York, N. Y.
Filed October 25, 1945. Serial No. 490,475. PUBLISHED APRIL 2, 1946. Class 6.

430,911. TRANSFER CASES OF CABINET FORM FOR USE IN CONNECTION WITH OFFICE FILING, AND CABINETS COVERED TO SIMULATE LEATHER FOR STORING PHONOGRAPH RECORDS. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill.
Filed October 29, 1945. Serial No. 490,618. PUBLISHED MARCH 18, 1947. Class 32.

430,912. PERFUME. MARY DUNHILL, INC., New York, N. Y.
Filed October 31, 1945. Serial No. 490,799. PUBLISHED APRIL 15, 1947. Class 6.

430,913. SPRING HOBBY HORSES, ROCKING HORSES, AND PLAYGROUND EQUIPMENT—NAMELY, SLIDES AND GYMNASTIC APPARATUS. MANUEL GORDON, doing business as Gordon Manufacturing Company, Philadelphia, Pa.
Filed November 9, 1945. Serial No. 491,321. PUBLISHED APRIL 15, 1947. Class 22.

430,914. PRESCRIPTION VEHICLE FOR THE SOLUTION AND/OR SUSPENSION OF ACTIVE DRUGS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed November 9, 1945. Serial No. 491,375. PUBLISHED APRIL 8, 1947. Class 6.

430,915. TOY COASTER WAGONS. SAV-WAY INDUSTRIES, Detroit, Mich., assignor to Sav-Way Industries, Incorporated, Detroit, Mich., a corporation of Michigan.
Filed December 12, 1945. Serial No. 493,148. PUBLISHED APRIL 15, 1947. Class 22.

430,916. PINE OIL DISINFECTANT. COLUMBIA CHEMICAL COMPANY, New Orleans, La.
Filed December 14, 1945. Serial No. 493,253. PUBLISHED APRIL 8, 1947. Class 6.

430,917. UPHOLSTERED SOFAS AND CHAIRS, DINING ROOM TABLES, BUFFETS AND CABINETS, BEDS, DRESSERS, AND BOOK CASES. GLOBE PARLOR FURNITURE COMPANY, High Point, N. C.
Filed December 14, 1945. Serial No. 493,266. PUBLISHED MARCH 18, 1947. Class 32.

430,918. MEN'S TOILETRIES—NAMELY, COLOGNE, AND AFTER SHAVING POWDER. WALTER S. SOSIN, doing business as The Walstan Co., New York, N. Y.
Filed December 15, 1945. Serial No. 493,405. PUBLISHED APRIL 15, 1947. Class 6.

430,919. MATTRESSES; BOX SPRINGS; SOFA BEDS; CHILDREN'S CRIBS, AND PLAY PENS; HOLLYWOOD BEDS; WOODEN BEDS; METAL BEDS; STUDIO COUCHES; PADS FOR CRIBS AND COTS; HIGH CHAIRS; BASSINETTES; PADDED TOILET-SEAT COVERS, AND PADDED CRIB HAMPERS. NATIONAL MATTRESS COMPANY, Huntington, W. Va.
Filed December 17, 1945. Serial No. 493,449. PUBLISHED APRIL 15, 1947. Class 32.

430,920. 5, 7-DIIODO-8-HYDROXYQUINOLINE, A MEDICINAL PREPARATION FOR THE TREATMENT OF AMEBIC DYSENTERY. B. L. LEMKE & COMPANY, New York, N. Y.
Filed January 3, 1946. Serial No. 494,224. PUBLISHED APRIL 1, 1947. Class 6.

430,921. RADIATOR CABINETS AND ENCLOSURES SERVING AS ARTISTIC AND ORNAMENTAL ADDITIONS TO FURNITURE, KITCHEN CABINETS, WALL UNITS USED FOR THE STORAGE OF ARTICLES. METRO CASE COMPANY, Newark, N. J.
Filed January 3, 1946. Serial No. 494,227. PUBLISHED MARCH 18, 1947. Class 32.

430,922. PERFUMES, COLOGNE, SACHET POWDER, TALCUM POWDER, DUSTING POWDER, BUBBLE BATH OIL, AND BUBBLE BATH SALT. WELDON, INC., West Haven, Conn., and New York, N. Y.
Filed January 3, 1946. Serial No. 494,246. PUBLISHED SEPTEMBER 10, 1946. Class 6.

430,923. SYNTHETIC RESINS FOR GENERAL USE IN THE TREATMENT OF TEXTILES, INCLUDING THE DRESSING AND FINISHING OF YARNS, ETC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 5, 1946. Serial No. 494,348. PUBLISHED MARCH 25, 1947. Class 6.

430,924. DYES USED FOR COLORING TEXTILES AND OTHER MATERIALS. L. B. HOLLIDAY & COMPANY LIMITED, Huddersfield, England.
Filed January 14, 1946. Serial No. 494,746. PUBLISHED MARCH 25, 1947. Class 6.

430,925. AFTER-SHAVING LOTION, TOILET WATER, TALCUM POWDER, AND HAIR DRESSING. AVON PRODUCTS, INC., New York, N. Y.
Filed January 15, 1946. Serial No. 494,779. PUBLISHED OCTOBER 1, 1946. Class 6.

430,926. OINTMENT FOR THE TEMPORARY RELIEF OF THE DISCOMFORT OR ITCHING OF PILES AND MINOR RECTAL IRRITATIONS. BLAINE J. HAAK, doing business as Rainbow Manufacturing Company, Kansas City, Mo.
Filed January 16, 1946. Serial No. 494,840. PUBLISHED MARCH 18, 1947. Class 6.

430,927. PADS IMPREGNATED WITH A DEODORANT FOR MEN'S USE. MADAMOISELLE CO., Philadelphia, Pa.
Filed January 17, 1946. Serial No. 494,912. PUBLISHED APRIL 1, 1947. Class 6.

430,928. MEDICINAL PREPARATION COMPRISING A SYNTHETIC ANTIHISTAMINE PRODUCT CORRESPONDING CHEMICALLY TO N-DIMETHYLAMINO-ETHYL-N-BENZYLANILINE HYDROCHLORIDE FOR THE TREATMENT OF URTICARIA, QUINCKE'S EDEMA, CERTAIN FORMS OF PRURITUS, SEROUS CONDITIONS, ANAPHYLACTIC, TRAUMATIC, OPERATIVE OR MEDICNAL SHOCKS, BURNS, ASTHMA, HAY FEVER, MIGRAINE AND ECZEMA DUE TO HYPERSENSITIVITY. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,932. PUBLISHED APRIL 8, 1947. Class 6.

430,929. MEDICINAL PREPARATION COMPRISING A PRODUCT CORRESPONDING CHEMICALLY TO HYDROXY-4-AMINO-3-PHENYLDICHLORARSINE HYDROCHLORIDE FOR USE IN ANTISYPHILITIC THERAPY. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,933. PUBLISHED APRIL 1, 1947. Class 6.

430,930. MEDICINAL PREPARATION COMPRISING A SYNTHETIC ANTIHISTAMINE PRODUCT FOR USE IN THE TREATMENT OF URTICARIA, QUINCKE'S EDEMA, CERTAIN FORMS OF PRURITUS, SEROUS CONDITIONS, ANAPHYLACTIC, TRAUMATIC, OPERATIVE OR MEDICINAL SHOCK, SERIOUS BURNS, ASTHMA, HAY-FEVER, MIGRAINE AND ECZEMA DUE TO HYPERSENSITIVITY. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,935. PUBLISHED APRIL 1, 1947. Class 6.

430,931. MEDICINAL PREPARATION COMPRISING A PRODUCT HAVING AS ITS BASIS DICHLORHYDRIDE OF (DIETHYLAMINOPENTYL) AMINO-4-METHYL-3-CHLORO-7 QUINOLEINE, FOR USE IN THE TREATMENT OF MALARIA. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,936. PUBLISHED APRIL 1, 1947. Class 6.

430,932. MEDICINAL PREPARATION COMPRISING A SULFAMIDE PRODUCT OF ANTI-MICROBAIN AND ANTI-MYCOSIC ACTION THE ACTIVE INGREDIENT OF WHICH IS p. AMINO-BENZENE-SULFONYL-THIOUREA FOR USE IN PARENTERAL INJECTIONS AND PLEURAL WASHING. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,937. PUBLISHED APRIL 1, 1947. Class 6.

430,933. MEDICINAL PREPARATION COMPRISING A PRODUCT CORRESPONDING TO PENICILLIN, FOR USE IN CASES WHERE ANTI-BACTERIAL ACTION, IS INDICATED. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,938. PUBLISHED APRIL 1, 1947. Class 6.

430,934. MEDICINAL PREPARATION COMPRISING A SULFAMIDE PRODUCT CORRESPONDING CHEMICALLY TO p. AMINOBENZENESULFONYL (AMINO-2-METHYL-4-DIAZINE), FOR USE IN THE TREATMENT OF PULMONARY INFECTIONS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed January 17, 1946. Serial No. 494,939. PUBLISHED APRIL 1, 1947. Class 6.

430,935. DRUG WHICH CONTAINS AN ORAL FORM OF PENICILLIN FOR USE IN TREATMENT OF DISEASES AS INDICATED BY PENICILLIN. BARRON CHEMICAL CORP., New York, N. Y.
Filed January 31, 1946. Serial No. 495,719. PUBLISHED APRIL 15, 1947. Class 6.

430,936. EYEGLASSES, OPTICAL LENSES, SPECTACLE FRAMES, MOUNTINGS, TEMPLES, AND OTHER OPTICAL FITTINGS. THE HOUSE OF VISION—BELGARD-SPERO INC., Chicago, Ill.
Filed February 6, 1946. Serial No. 496,080. PUBLISHED FEBRUARY 4, 1947. Class 26.

430,937. EYEGLASSES, OPTICAL LENSES, SPECTACLE FRAMES, MOUNTINGS, TEMPLES, AND OTHER OPTICAL FITTINGS. THE HOUSE OF VISION—BELGARD-SPERO INC., Chicago, Ill.
Filed February 6, 1946. Serial No. 496,081. PUBLISHED FEBRUARY 4, 1947. Class 26.

430,938. EXTENSIBLE ELECTRICAL CORDS. KELLOGG SWITCHBOARD AND SUPPLY COMPANY, Chicago, Ill.
Filed February 9, 1946. Serial No. 496,317. PUBLISHED APRIL 8, 1947. Class 21.

430,939. LIPSTICKS AND LIPSTICK REFILLS; CREME ROUGE AND CREME ROUGE REFILLS; COMPACT ROUGE AND COMPACT ROUGE REFILLS; FACE POWDER; CREME TINT FOUNDATION; NAIL LACQUER; MASCARA AND EYE SHADOW. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed February 9, 1946. Serial No. 496,335. PUBLISHED APRIL 1, 1947. Class 6.

430,940. EMOLLIENT CREAM FOR THE FACE AND HAND CREAM. ZITOMER CHEMISTS, INC., New York, N. Y.
Filed February 9, 1946. Serial No. 496,358. PUBLISHED MARCH 25, 1947. Class 6.

430,941. BABIES' AND CHILDREN'S TOY PORTABLE SWINGS AND PARTS THEREOF. CLYDE W. VASSAR, San Mateo, Calif., assignor to Sterling Metal Products Company, Redwood City, Calif., a corporation of California.
Filed February 16, 1946. Serial No. 496,741. PUBLISHED APRIL 15, 1947. Class 22.

430,942. PORTABLE CABINET FOR DISPENSING VARIOUS BEVERAGES. BRENNER-BELL, INC., Columbus, Ohio.
Filed February 28, 1946. Serial No. 497,365. PUBLISHED MARCH 25, 1947. Class 32.

430,943. COSMETICS, SPECIFICALLY HAND LOTION, ORAL DEODORANT, AND EXTERNAL DEODORANT. GOOD-MARK PRODUCTS COMPANY, Grand Rapids, Mich.
Filed March 1, 1946. Serial No. 497,475. PUBLISHED MARCH 25, 1947. Class 6.

430,944. VARIOUS CHEMICALS, MEDICINES, DRUGS, DIETARY SUPPLEMENTS, ANTISEPTICS, GERMICIDES, AND BIOLOGICAL, BACTERIAL, PHARMACEUTICAL, TOILET, AND VETERINARY PREPARATIONS, ETC. E. R. SQUIBB & SONS, New York, N. Y.
Filed March 6, 1946. Serial No. 497,747. PUBLISHED APRIL 8, 1947. Class 6.

430,945. LIQUID LAUNDRY STARCH. GILCOR MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 7, 1946. Serial No. 497,789. PUBLISHED OCTOBER 8, 1946. Class 6.

430,946. INSECT REPELLENT AND INSECTICIDE. HARRY SHAPIRO, doing business as Chemical Specialties Company, New York, N. Y.
Filed March 9, 1946. Serial No. 497,973. PUBLISHED JUNE 18, 1946. Class 6.

430,947. UPHOLSTERED FURNITURE—NAMELY, CHAIRS, SOFAS, LOVE SEATS, OTTOMANS, OPEN ARMCHAIRS, CHAISE LONGUES, WING CHAIRS; DINING ROOM FURNITURE—NAMELY, SIDE CHAIRS, ARMCHAIRS, CHINA BREAKFRONTS; BEDROOM FURNITURE—NAMELY, BEDS, BUREAUS, CHESTS, SIDE CHAIRS, BENCHES, POWDER TABLES, HIGHBOYS, DRESSING TABLES, NIGHT TABLES, ETC. COMPANY OF MASTER CRAFTSMEN, INC., Oneida, N. Y.
Filed March 14, 1946. Serial No. 498,205. PUBLISHED APRIL 15, 1947. Class 32.

430,948. BUBBLE BATH PREPARATION. STEPHEN E. RILEY, doing business as Stephen Riley Company, Los Angeles, Calif.
Filed March 18, 1946. Serial No. 498,461. PUBLISHED NOVEMBER 5, 1946. Class 6.

430,949. BRANDY. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif.
Filed March 19, 1946. Serial No. 498,557. PUBLISHED APRIL 15, 1947. Class 49.

430,950. BRANDY. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif.
Filed March 19, 1946. Serial No. 498,558. PUBLISHED APRIL 15, 1947. Class 49.

430,951. SKIN OINTMENT FOR EXTERNAL USE FOR TREATING SKIN INFECTIONS, ITCHING, BURNS, CUTS, ECZEMA, SUN BURN, CHAFING, AND PSORIASIS. ANGEL P. BROWN, Endicott, N. Y.
Filed March 20, 1946. Serial No. 498,579. PUBLISHED APRIL 8, 1947. Class 6.

430,952. PERFUME, COLOGNE, PERFUMED SACHET POWDERS, DUSTING POWDER, BUBBLE BATH PREPARATION, AND BATH OIL. JAQUET, INCORPORATED, New York, N. Y.
Filed March 26, 1946. Serial No. 498,996. PUBLISHED APRIL 1, 1947. Class 6.

430,953. EAU DE COLOGNE, PERFUMES, FACE POWDERS, LIP STICKS, CREAM ROUGES, CREAM COLOR FOUNDATIONS, BEAUTY CREAMS AND CREAMS FOR THE CARE OF THE SKIN AND OF THE FACE, TOILET LOTIONS, AND MAKE-UP. S. DE BENVENISTE, Paris, France.
Filed March 28, 1946. Serial No. 499,120. PUBLISHED APRIL 8, 1947. Class 6.

430,954. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,157. PUBLISHED APRIL 15, 1947. Class 6.

430,955. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,158. PUBLISHED APRIL 15, 1947. Class 6.

430,956. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,160. PUBLISHED APRIL 15, 1947. Class 6.

430,957. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,161. PUBLISHED APRIL 15, 1947. Class 6.

430,958. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,163. PUBLISHED APRIL 15, 1947. Class 6.

430,959. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,164. PUBLISHED APRIL 15, 1947. Class 6.

430,960. PERFUMES, TOILET CREAMS, AND DENTIFRICES. SOCIETE ANONYME DE DIFFUSION INTERNATIONALE DE PARFUMERIE, Paris, France.
Filed March 28, 1946. Serial No. 499,165. PUBLISHED APRIL 15, 1947. Class 6.

430,961. CHEMICAL COMPOSITION IN POWDERED FORM AND USED FOR KILLING SNAILS, SLUGS, AND CUTWORMS. DESTRUXOL CORPORATION, LTD., Pasadena, Calif.
Filed March 29, 1946. Serial No. 499,213. PUBLISHED APRIL 15, 1947. Class 6.

430,962. CONTAINER CHARGED WITH A MEDICAMENT IN DRY COMMINUTED FORM FOR APPLICATION TO LOCALIZED AREAS FOR THE PURPOSE OF ELIMINATING AND/OR PREVENTING THE DEVELOPMENT OF PATHOLOGICAL BACTERIA AS, FOR EXAMPLE, OCCURS IN TOOTH EXTRACTION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed April 1, 1946. Serial No. 499,369. PUBLISHED APRIL 8, 1947. Class 6.

430,963. DIORAMIC MODELS DEMONSTRATING INTERIORS AND EQUIPMENT FOR FACTORIES, SCHOOLS, HOSPITALS, AND OTHER BUILDINGS, USED AS A SCIENTIFIC GUIDE FOR COLOR SELECTIONS. GENERAL EXHIBITS & DISPLAYS, INC., Chicago, Ill., assignor to Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan.
Filed April 4, 1946. Serial No. 499,619. PUBLISHED APRIL 15, 1947. Class 26.

430,964. SUN TAN OIL. WILLOW REED SYSTEM, INC., Seattle, Wash.
Filed April 6, 1946. Serial No. 499,812. PUBLISHED APRIL 1, 1947. Class 6.

430,965. SOLVENTS IN THE NATURE OF CHEMICAL SOLVENTS FOR REMOVING SLUDGE AND GUM FROM THE INTERIOR OF INTERNAL COMBUSTION ENGINES, AND FOR FREEING STICKING VALVES AND PISTON RINGS. FRANK J. SCHAEFER, doing business under the name of The Narf Company, St. Louis, Mo.
Filed April 8, 1946. Serial No. 499,858. PUBLISHED MARCH 25, 1947. Class 6.

430,966. CHEMICAL WEED EXTERMINATOR. THE BAY CHEMICAL CO., INC., Bay City, Mich.
Filed April 11, 1946. Serial No. 499,987. PUBLISHED APRIL 8, 1947. Class 6.

430,967. CHEMICAL PREPARATION TO PREVENT TARNISH ON ALL PRECIOUS METALS BY ABSORBING THE VARIOUS ELEMENTS IN THE AIR THAT CAUSE SUCH METALS TO TARNISH. VIGILANT PRODUCTS COMPANY, New York, N. Y.
Filed April 11, 1946. Serial No. 500,037. PUBLISHED APRIL 8, 1947. Class 6.

430,968. HAIR DRESSING. AMAROSA CO. INC., New York, N. Y.
Filed April 13, 1946. Serial No. 500,159. PUBLISHED NOVEMBER 5, 1946. Class 6.

430,969. LIQUID LAUNDRY STARCH. GENERAL PRODUCTS CO., Brooklyn, N. Y.
Filed April 16, 1946. Serial No. 500,299. PUBLISHED MARCH 18, 1947. Class 6.

430,970. SCIENTIFIC INSTRUMENTS—NAMELY, APPARATUS FOR MEASURING RADIOACTIVITY SUCH AS GEIGER-MUELLER COUNTERS, IONIZATION GAGES AND SCIENTIFIC APPARATUS USED IN RADIOACTIVITY WORK. TRACERLAB, INC., Boston, Mass.
Filed April 16, 1946. Serial No. 500,331. PUBLISHED APRIL 15, 1947. Class 26.

430,971. PHARMACEUTICAL COMPOSITIONS FOR DISEASES OF THE RESPIRATORY ORGANS. JOSÉ MARIA SORJUS ROIG, Barcelona, Spain.
Filed April 17, 1946. Serial No. 500,418. PUBLISHED APRIL 1, 1947. Class 6.

430,972. DINING ROOM, LIBRARY, EASY AND ROCKING CHAIRS, DINETTE, DINING, CARD AND OCCASIONAL TABLES, DIVANS, DAY BEDS, COTS, BEDS, SOFAS, SETTEES, OFFICE AND WRITING DESKS. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 18, 1946. Serial No. 500,446. PUBLISHED APRIL 15, 1947. Class 32.

430,973. ALL PURPOSE COMPLEXION CREAMS. THE VISHNU CORPORATION, Cleveland, Ohio.
Filed April 19, 1946. Serial No. 500,587. PUBLISHED MARCH 18, 1947. Class 6.

430,974. PERFUMES, COLD AND VANISHING CREAMS, SKIN LOTIONS, FACE POWDER, NAIL POLISH, LIPSTICK, COLOGNE, TOILET WATER, AND ROUGE. LES LABORATOIRES DE LA JEUNESSE S. A. R. L., Paris, France.
Filed April 23, 1946. Serial No. 500,760. PUBLISHED APRIL 1, 1947. Class 6.

430,975. CARBON BLACK DISPERSION COMPRISING AN INTIMATE MIXTURE OF CARBON BLACK IN WATER, OR VEGETABLE AND/OR MINERAL OILS, OR RESIN VARNISHES, OR PLASTICIZERS AND USED IN MAKING BLACK PAINT, CARBON PAPER AND FOR ROAD SURFACING. CARBON DISPERSIONS INC., Newark, N. J.
Filed April 25, 1946. Serial No. 500,855. PUBLISHED MARCH 18, 1947. Class 6.

430,976. LIQUID DEODORANT FOR BODY AND UNDERARM USE. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed April 26, 1946. Serial No. 500,963. PUBLISHED FEBRUARY 25, 1947. Class 6.

430,977. PERFUME, TOILET WATER, EAU DE COLOGNE, AND NAIL POLISH. ALFRED A. FLASTER, New York, N. Y.
Filed April 27, 1946. Serial No. 501,059. PUBLISHED MARCH 18, 1947. Class 6.

430,978. PACKAGED HAIR POMADE AND DRESSING. FRANK AARON, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y.
Filed April 29, 1946. Serial No. 501,105. PUBLISHED APRIL 8, 1947. Class 6.

430,979. BODY LOTION. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed April 29, 1946. Serial No. 501,119. PUBLISHED MARCH 25, 1947. Class 6.

430,980. COLOGNE. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed April 29, 1946. Serial No. 501,120. PUBLISHED MARCH 11, 1947. Class 6.

430,981. MEDICINAL PREPARATION FOR THE TREATMENT OF FUNCTIONAL CONSTIPATION, COLITIS, DIARRHEA, AND WHERE THERE IS SLUGGISHNESS OF THE INTESTINAL MUSCULATURE AND DYSFUNCTIONING DUE TO VITAMIN B COMPLEX DEFICIENCY. THE DRUG PRODUCTS CO., INC., New York and Long Island City, N. Y.
Filed April 29, 1946. Serial No. 501,123. PUBLISHED APRIL 15, 1947. Class 6.

430,982. INSECTICIDES, FUNGICIDES, RODENTICIDES, AND WEED KILLERS. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed May 1, 1946. Serial No. 501,224. PUBLISHED APRIL 8, 1947. Class 6.

430,983. MULTIPLE VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed May 2, 1946. Serial No. 501,298. PUBLISHED MARCH 25, 1947. Class 6.

430,984. MATTRESSES, INNER SPRINGS, STUDIO COUCHES, AND BOX SPRINGS. BRAINERD BEDDING CO., Brainerd, Minn.
Filed May 3, 1946. Serial No. 501,360. PUBLISHED MARCH 25, 1947. Class 32.

430,985. MATTRESSES, STUDIO COUCHES, AND BOX SPRINGS. ALBERT TROSSMAN, doing business as Twi-Lite Bedding Company, Chicago, Ill.
Filed May 3, 1946. Serial No. 501,423. PUBLISHED MARCH 25, 1947. Class 32.

430,986. SHAMPOO. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 6, 1946. Serial No. 501,530. PUBLISHED MARCH 25, 1947. Class 6.

430,987. SHAMPOO AND COSMETIC CREAM. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed May 6, 1946. Serial No. 501,531. PUBLISHED DECEMBER 17, 1946. Class 6.

430,988. NATURAL GAS. E. B. BUELL, doing business as Vitagas Company, Jefferson City, Mo.
Filed May 8, 1946. Serial No. 501,633. PUBLISHED MARCH 25, 1947. Class 6.

430,989. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.
Filed May 8, 1946. Serial No. 501,672. PUBLISHED MARCH 18, 1947. Class 6.

430,990. MEDICATED PREPARATION FOR HUMAN USE IN THE TREATMENT OF DISEASES OF THE EAR. DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed May 10, 1946. Serial No. 501,833. PUBLISHED MARCH 25, 1947. Class 6.

430,991. CHEMICAL TO BE ADDED TO FIRE FIGHTING LIQUID TO LOWER ITS SURFACE TENSION. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed May 11, 1946. Serial No. 501,893. PUBLISHED APRIL 1, 1947. Class 6.

430,992. ENEMA POWDER. ROSEMARIE LEWIS, doing business as Vogarell Products Co., Los Angeles, Calif.
Filed May 13, 1946. Serial No. 501,993. PUBLISHED MARCH 18, 1947. Class 6.

430,993. PERFUMES. SOCIETE D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnieres, near Paris, France.
Filed May 14, 1946. Serial No. 502,086. PUBLISHED APRIL 15, 1947. Class 6.

430,994. CLOTHES WASHING MACHINES AND PARTS THEREOF. HELPY SELFY SERVICE SYSTEM, INC., Fort Lauderdale, Fla.
Filed May 16, 1946. Serial No. 502,215. PUBLISHED APRIL 8, 1947. Class 24.

430,995. PREPARATION IN WAFER FORM TO PERFUME AND SWEETEN THE BREATH. ALBERT N. BROOKS, doing business under the name Brooks Company, Minneapolis, Minn.
Filed May 17, 1946. Serial No. 502,264. PUBLISHED APRIL 1, 1947. Class 6.

430,996. MULTI-VITAMINS. LAMBERT VITAMINS COMPANY, INC., New York, N. Y.
Filed May 17, 1946. Serial No. 502,303. PUBLISHED APRIL 8, 1947. Class 6.

430,997. PERFUME, TOILET WATER, BATH POWDER, AND COLOGNE. PARFUMS CORDAY, INC., New York, N. Y.
Filed May 17, 1946. Serial No. 502,318. PUBLISHED APRIL 8, 1947. Class 6.

430,998. VENETIAN BLINDS. ABALONE MANUFACTURING COMPANY, Hawthorne, Calif.
Filed May 18, 1946. Serial No. 502,361. PUBLISHED MARCH 25, 1947. Class 32.

430,999. COLOGNE. SARA COOLEY COSMETICS, Los Angeles, Calif.
Filed May 20, 1946. Serial No. 502,428. PUBLISHED APRIL 15, 1947. Class 6.

431,000. ELECTRICAL APPARATUS FOR DETECTING THE PRESENCE OF METAL PARTICLES IN ELECTRICALLY NON-CONDUCTIVE MATERIALS. MAGNAFLUX CORPORATION, Chicago, Ill.
Filed May 20, 1946. Serial No. 502,445. PUBLISHED APRIL 15, 1947. Class 26.

431,001. SUNTAN LOTION. SILLS RESEARCH LABORATORY, Los Angeles, Calif.
Filed May 20, 1946. Serial No. 502,467. PUBLISHED APRIL 15, 1947. Class 6.

431,002. SEAT AND BACK REST. EDWARD M. NUNES, doing business under the name and style of Palo Pacific Co., San Francisco, Calif.
Filed May 22, 1946. Serial No. 502,591. PUBLISHED APRIL 15, 1947. Class 32.

431,003. COLOGNE. IRRESISTIBLE, INC., New York, N. Y.
Filed May 23, 1946. Serial No. 502,640. PUBLISHED APRIL 15, 1947. Class 6.

431,004. ZIRCONIUM OPACIFIER. METAL & THERMIT CORPORATION, New York, N. Y.
Filed May 24, 1946. Serial No. 502,707. PUBLISHED APRIL 8, 1947. Class 6.

431,005. INSECT REPELLENT IN LIQUID FORM FOR USE AS A SPRAY OR BY DIRECT APPLICATION TO THE AFFECTED AREA. CHANDLER CHEMICAL CORP., New York, N. Y.
Filed May 25, 1946. Serial No. 502,737. PUBLISHED MARCH 18, 1947. Class 6.

431,006. COLOGNE TALCUM POWDER, AFTER-SHAVE LOTION, AND SKIN LOTION, BUBBLE BATH AND SHAMPOO. PARFAIT, INCORPORATED, Chicago, Ill.
Filed May 29, 1946. Serial No. 502,997. PUBLISHED APRIL 15, 1947. Class 6.

431,007. HAIR SHAMPOO, HAIR DRESSING, HAIR OIL, HAIR TONIC, BRILLIANTINE, AND AFTER-SHAVE LOTION. THE WILLIAM A. WEBSTER CO., also doing business as American Company, Memphis, Tenn.
Filed May 29, 1946. Serial No. 503,027. PUBLISHED MARCH 18, 1947. Class 6.

431,008. DRESSERS, BUREAUS, HIGHBOYS, CHEST OF DRAWERS, CHIFFONIERS, WARDROBES, VANITIES, BOOK CASES, SECRETARIES, RADIO CABINETS, BUFFETS, SCREENS (FOLDING), MAGAZINE RACKS, CHAIRS OF THE FOLLOWING TYPES: DINING ROOM, CHILD'S HIGH, KITCHEN, LIVING ROOM; BENCHES, STOOLS; AND TABLES OF THE FOLLOWING TYPES: DINING, BEDSIDE, COFFEE, END, CARD, DROP LEAF, EXTENSION, LIBRARY, SERVING. THE MENGEL COMPANY, Louisville, Ky.
Filed June 3, 1946. Serial No. 503,211. PUBLISHED APRIL 15, 1947. Class 32.

431,009. MEDICATED SOLUTIONS FOR TREATMENT OF MINOR BRONCHIAL IRRITATIONS. KAZ MANUFACTURING CO., INC., New York, N. Y.
Filed June 5, 1946. Serial No. 503,298. PUBLISHED APRIL 1, 1947. Class 6.

431,010. INSECTICIDES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed June 5, 1946. Serial No. 503,324. PUBLISHED MARCH 25, 1947. Class 6.

431,011. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. RAPHAEL LOPEZ, doing business as Maison Raphael, Paris, France.
Filed June 6, 1946. Serial No. 503,379. PUBLISHED APRIL 8, 1947. Class 6.

431,012. INSECTICIDES IN LIQUID, SPRAY AND DUST FORM AND ANT POISONS FOR AGRICULTURAL, HORTICULTURAL OR HOUSEHOLD USE. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed June 7, 1946. Serial No. 503,412. PUBLISHED MARCH 25, 1947. Class 6.

431,013. CONCENTRATED SPRAYABLE WEED KILLER LIQUID. SANITA CHEMICAL & SUPPLY COMPANY, Indianapolis, Ind.
Filed June 10, 1946. Serial No. 503,602. PUBLISHED MARCH 25, 1947. Class 6.

431,014. LEG MAKE-UP SIMULATING STOCKINGS. KAY DAUMIT, Chicago, Ill., assignor, by mesne assignments, to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 15, 1946. Serial No. 503,977. PUBLISHED MARCH 11, 1947. Class 6.

431,015. MATTRESSES, PILLOWS, AND CUSHIONS FILLED WITH INORGANIC MATERIAL IN A FIBROUS CONDITION. GLASDOWN CORPORATION, Wilkes-Barre, Pa.
Filed June 18, 1946. Serial No. 504,107. PUBLISHED APRIL 15, 1947. Class 32.

431,016. OPHTHALMIC LENS FRAMES AND MOUNTINGS THEREFOR. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind.
Filed June 19, 1946. Serial No. 504,158. PUBLISHED APRIL 15, 1947. Class 26.

431,017. PREPARATION IN LIQUID FORM FOR THE TREATMENT OF IMPETIGO, PARONYCHIA, CELLULITIS, INFECTED WOUNDS, ABSCESSES, SYCOSIS VULGARIS, ECTHYMA AND VARICOSE, DIABETIC AND DECUBITAL ULCERS, AND LIKE INFECTIONS CAUSED OR COMPLICATED BY GRAM-POSITIVE MICROORGANISMS. WALLACE LABORATORIES, INC., New Brunswick, N. J.
Filed June 19, 1946. Serial No. 504,228. PUBLISHED MARCH 25, 1947. Class 6.

431,018. PREPARATION IN LIQUID FORM FOR USE IN THE TREATMENT OF RINGWORM OF THE SCALP, RINGWORM OF THE NAILS AND OTHER FUNGUS INVESTIONS OF THE HUMAN BODY. WALLACE LABORATORIES, INC., New Brunswick, N. J.
Filed June 19, 1946. Serial No. 504,229. PUBLISHED MARCH 25, 1947. Class 6.

431,019. SHAMPOO. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed June 20, 1946. Serial No. 504,250. PUBLISHED MARCH 18, 1947. Class 6.

431,020. BOTTLED GAS. THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J.
Filed June 21, 1946. Serial No. 504,320. PUBLISHED MARCH 25, 1947. Class 6.

431,021. BOTTLED GAS. THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J.
Filed June 21, 1946. Serial No. 504,321. PUBLISHED MARCH 25, 1947. Class 6.

431,022. LEG MAKE-UP. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 21, 1946. Serial No. 504,337. PUBLISHED MARCH 11, 1947. Class 6.

431,023. COLOGNE AND TALCUM POWDER. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 21, 1946. Serial No. 504,339. PUBLISHED MARCH 11, 1947. Class 6.

431,024. LIQUID DEODORANT FOR BODY AND UNDERARM USE. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 21, 1946. Serial No. 504,340. PUBLISHED MARCH 18, 1947. Class 6.

431,025. ETHICAL PREPARATION FOR THE TREATMENT OF HYPERTENSION, ESSENTIAL HYPERTENSION, CARDIO VASCULAR DISEASE, ANGINA PECTORIS AND ALSO TO BE USED AS A NON-MERCURIAL DIURETIC AND ITS ALLIED CONDITIONS. REEVE CHEMICAL COMPANY, INC., Brooklyn, N. Y.
Filed June 21, 1946. Serial No. 504,389. PUBLISHED APRIL 1, 1947. Class 6.

431,026. COMBINED SOUND AND PICTURE FILM. ADOLPHE PERVY, Westchester, Pa.
Filed June 22, 1946. Serial No. 504,452. PUBLISHED APRIL 15, 1947. Class 26.

431,027. WITCH HAZEL, RUBBING ALCOHOL COMPOUND, MEDICINAL MINERAL OIL, ANALGESIC BALM, ZINC OINTMENT, BORIC ACID OINTMENT, CASTOR OIL, GLYCERINE, GLYCERINE AND ROSE WATER, SPIRIT OF CAMPHOR, METHYL SALICYLATE, PAREGORIC, ETHYL NITRITE, CAMPHOR LINIMENT, AROMATIC SPIRITS OF AMMONIA, SPIRIT OF PEPPERMINT, TINCTURE OF BENZOIN COMPOUND, CITRONELLA COMPOUND, CAMPHOR LINIMENT, CHLOROFORM LINIMENT, AND LINIMENT OF SOFT SOAP. BOSTON DRUG & CHEMICAL CO., Boston, Mass.
Filed June 26, 1946. Serial No. 504,601. PUBLISHED APRIL 1, 1947. Class 6.

431,028. TOOTH POWDER. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn.
Filed June 26, 1946. Serial No. 504,631. PUBLISHED APRIL 1, 1947. Class 6.

431,029. PREPARATIONS FOR THE TREATMENT OF COUGHS DUE TO COLDS. J. W. S. DELAVAU CO., Philadelphia, Pa.
Filed June 27, 1946. Serial No. 504,662. PUBLISHED MARCH 18, 1947. Class 6.

431,030. PREPARATIONS INDICATED AS A TONIC TO PROMOTE THE DEVELOPMENT OF INFANTS AND CHILDREN, AND CONVALESCENCE FROM CONDITIONS DUE TO OR AGGRAVATED OR CHARACTERIZED BY IMPROPER DIGESTION; TO STIMULATE THE APPETITE AND AS AN AID IN THE TREATMENT OF MILD MALNUTRITION AND UNDERNOURISHMENT, ETC. PIERCE'S PROPRIETARIES, INC., Buffalo, N. Y.
Filed July 2, 1946. Serial No. 505,004. PUBLISHED MARCH 18, 1947. Class 6.

431,031. PREPARATIONS HAVING DIURETIC LAXATIVE, TONIC AND SEDATIVE PROPERTIES, AND INDICATED IN AND FOR THE TREATMENT OF CHLOROSIS, CONSTIPATION, FUNCTIONAL DISORDERS AND IRREGULARITIES OF THE MENSES, ETC. PIERCE'S PROPRIETARIES, INC., Buffalo, N. Y.
Filed July 2, 1946. Serial No. 505,005. PUBLISHED MARCH 18, 1947. Class 6.

431,032. PERFUME, TOILET WATER, PERFUMED SACHET, FACE POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, ROUGE, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYEBROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, CHEMICALS ADAPTED FOR THE REMOVAL OF CUTICLES, ETC. REJUVIA BEAUTY LABORATORIES, INC., New York, N. Y.
Filed July 2, 1946. Serial No. 505,006. PUBLISHED APRIL 8, 1947. Class 6.

431,033. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. EDMOND ROSENS, Paris, France.
Filed July 2, 1946. Serial No. 505,011. PUBLISHED MARCH 25, 1947. Class 6.

431,034. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. EDMOND ROSENS, Paris, France.
Filed July 2, 1946. Serial No. 505,013. PUBLISHED MARCH 18, 1947. Class 6.

431,035. VERMIFUGES. THE SYDNEY ROSS CO., Newark, N. J.
Filed July 3, 1946. Serial No. 505,082. PUBLISHED MARCH 18, 1947. Class 6.

431,036. HAIR DRESSING AND PREPARATIONS FOR THE HAIR AND SCALP. STANLEY M. BALTZLY, doing business as The Baltzly Company, Massillon, Ohio, assignor to Princess Pat Ltd., Chicago, Ill., a corporation of Illinois.
Filed July 5, 1946. Serial No. 505,093. PUBLISHED APRIL 15, 1947. Class 6.

431,037. PROTEIN HYDROLYSATE OBTAINED FROM PRIMARY YEAST, AND DEXTROSE. D. MURRAY BURNS, doing business as Embur Drugs, Kansas City, Mo., assignor to Embur, Inc., Kansas City, Mo., a corporation of Missouri.
Filed July 5, 1946. Serial No. 505,096. PUBLISHED APRIL 1, 1947. Class 6.

431,038. LIPSTICK AND ROUGE. AFFILIATED PRODUCTS, INC., New York, N. Y.
Filed July 8, 1946. Serial No. 505,171. PUBLISHED MARCH 18, 1947. Class 6.

431,039. MEDICINE IN CAPSULE FORM FOR TREATMENT OF COMMON COLDS. BERGMAN LABORATORY, Houston, Tex.
Filed July 8, 1946. Serial No. 505,178. PUBLISHED APRIL 8, 1947. Class 6.

431,040. ANALGESIC PRODUCT FOR RELIEF FROM PAIN AND DISCOMFORT CAUSED BY FUNCTIONAL HEADACHE, NEURALGIA, MENSTRUAL PAINS AND FROM MUSCULAR PAINS AND PAIN FOLLOWING TOOTH EXTRACTION. MILES LABORATORIES, INC., Elkhart, Ind.
Filed July 8, 1946. Serial No. 505,221. PUBLISHED MARCH 25, 1947. Class 6.

431,041. MEDICINAL PREPARATION OF VITAMINS, MINERALS, COENZYMES AND AMINO ACIDS TO BE USED AS AN ADJUVANT IN THE TREATMENT OF DIABETES AND CARBOHYDRATE METABOLISM. PHARMACEUTICAL ORGANICS, INC., New York, N. Y.
Filed July 8, 1946. Serial No. 505,228. PUBLISHED APRIL 1, 1947. Class 6.

431,042. COUGH PREPARATION. NATHAN BROWNSTEIN, doing business as Stanley Brown & Company, Boston, Mass.
Filed July 11, 1946. Serial No. 505,389. PUBLISHED APRIL 15, 1947. Class 6.

431,043. AFTER-SHAVE LOTION. THE COUNTY PERFUMERY COMPANY, INC., Bloomfield, N. J.
Filed July 11, 1946. Serial No. 505,394. PUBLISHED MARCH 18, 1947. Class 6.

431,044. SOLUTION FOR TREATMENT OF ATHLETE'S FOOT. TERRY T. GREIL, Pittsburgh, Pa., assignor to Greil Drug and Chemical Company, Pittsburgh, Pa., a corporation of Pennsylvania.
Filed July 11, 1946. Serial No. 505,410. PUBLISHED MARCH 18, 1947. Class 6.

431,045. HAIR TONIC. THE PHARMA-CRAFT CORPORATION, New York, N. Y.
Filed July 11, 1946. Serial No. 505,442. PUBLISHED MARCH 18, 1947. Class 6.

431,046. MEDICINAL PREPARATION FOR THE TREATMENT OF ECZEMA. ASSIED TOUMA, doing business as A. Touma Manufacturing Company, Plantsville, Conn.
Filed July 12, 1946. Serial No. 505,471. PUBLISHED MARCH 18, 1947. Class 6.

431,047. PERFUMES. GEORGE C. HESTER, Glendale, Calif.
Filed July 12, 1946. Serial No. 505,497. PUBLISHED MARCH 18, 1947. Class 6.

431,048. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES. COTY, INC., New York, N. Y.
Filed July 13, 1946. Serial No. 505,559. PUBLISHED MARCH 18, 1947. Class 6.

431,049. PERFUMES AND TOILET WATERS. ETABLISSEMENTS RIGAUD, INC., New York, N. Y.
Filed July 16, 1946. Serial No. 505,689. PUBLISHED APRIL 8, 1947. Class 6.

431,050. PERFUMES AND TOILET WATERS. GUERLAIN, INC., New York, N. Y.
Filed July 16, 1946. Serial No. 505,699. PUBLISHED APRIL 1, 1947. Class 6.

431,051. PARASITICIDES—NAMELY, INSECTICIDES, GERMICIDES AND FUNGICIDES; DISINFECTANTS, ANTISEPTICS, DEODERANTS AND CLEANERS, FOR USE ON ANIMALS, POULTRY, AND IN GENERAL DISINFECTION, DEODORIZING AND CLEANING OF PREMISES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed July 16, 1946. Serial No. 505,717. PUBLISHED MARCH 18, 1947. Class 6.

431,052. MEDICINAL PREPARATION USED AS A DIETARY SUPPLEMENT. META CINE COMPANY, Chattanooga, Tenn., now by change of name Brayten Pharmaceutical Company.
Filed July 17, 1946. Serial No. 505,762. PUBLISHED APRIL 15, 1947. Class 6.

431,053. CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS AND FUNGI. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 17, 1946. Serial No. 505,765. PUBLISHED MARCH 25, 1947. Class 6.

431,054. REMEDY FOR ASTHMA. THE KENIMER COMPANY, Bishop, Ga.
Filed July 20, 1946. Serial No. 505,961. PUBLISHED APRIL 8, 1947. Class 6.

431,055. LIPSTICKS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed July 30, 1946. Serial No. 506,505. PUBLISHED MARCH 18, 1947. Class 6.

431,056. LIPSTICKS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed July 30, 1946. Serial No. 506,507. PUBLISHED APRIL 8, 1947. Class 6.

431,057. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF. AMERICAN SPECTACLE CO., INC., New York, N. Y.
Filed July 31, 1946. Serial No. 506,571. PUBLISHED APRIL 15, 1947. Class 26.

431,058. LIQUID LEVEL GAUGES. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich.
Filed August 23, 1946. Serial No. 507,893. PUBLISHED APRIL 15, 1947. Class 26.

431,059. PHOTOGRAPHIC LENSES. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y.
Filed August 28, 1946. Serial No. 508,150. PUBLISHED APRIL 15, 1947. Class 26.

431,060. BOTTLED IMITATION GRAPE FLAVOR SOFT DRINK AND BOTTLED IMITATION GRAPE CONCENTRATE FLAVORING EXTRACT THEREFOR. MERWYN CONCENTRATES, INC., St. Louis, Mo.
Filed October 2, 1946. Serial No. 510,099. PUBLISHED APRIL 8, 1947. Class 45.

431,061. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. ROBERT H. FITE, Miami, Fla.
Filed September 4, 1946. Serial No. 512,142. PUBLISHED MARCH 18, 1947. Class 6.

431,062. BOARD GAME. GAME CREATIONS, INC., New York, N. Y.
Filed January 22, 1947. Serial No. 516,125. PUBLISHED APRIL 15, 1947. Class 22.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AGNES ABUJA, Chase, Mich. Filed May 12, 1944. Serial No. 470,166.



Mother Abuja's

The portrait shown is that of the applicant Agnes Abuja.
FOR OIL FOR HEADACHE, SORE THROAT, FEVER SORES, BURNS, BUNIONS, BOILS, BRUISES, GATHERING OF THE EARS, SINUS TROUBLE, ASTHMA, AND CUTS.
Claims use since Oct. 23, 1943.

431,064. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HERMAN F. FONVIELLE, doing business as Southern Furniture Repair Co., Norfolk, Va. Filed Feb. 20, 1945. Serial No. 480,015.

FONVIELLE'S

FOR FURNITURE POLISH FOR FURNITURE, WOODWORK AND FLOORS.
Claims use since June 1, 1929.

431,065. (CLASS 37. PAPER AND STATIONERY.) ROBERT C. VEIT, doing business as Veet Manufacturing Company, East Detroit, Mich. Filed Aug. 29, 1945. Serial No. 487,742.

Multibinder

FOR LOOSE LEAF BINDERS.
Claims use since about June 3, 1941.

431,066. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRAM CORPORATION, East Providence, R. I. Filed Sept. 1, 1945. Serial No. 487,902.

Insert-O-Tube

FOR FILTERS AND CARTRIDGES THEREFOR USED FOR INTERNAL COMBUSTION ENGINES, MACHINE TOOLS, AND FOR USE IN HYDRAULIC OPERATING SYSTEMS.
Claims use since Aug. 16, 1945.

431,067. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE RAYON PROCESSSING CO. OF R. I. INC., Central Falls, R. I. Filed Dec. 6, 1945. Serial No. 492,789.

FILFLOC

FOR COTTON FLOCK USED AS A FILLER FOR PHENOL FORMALDEHYDE PLASTIC MOLDING COMPOUNDS.
Claims use since December 1938.

431,068. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NORMILART CORPORATION, New York, N. Y. Filed Dec. 11, 1945. Serial No. 493,073.

Quiz-lite

FOR ELECTRICAL QUESTIONNAIRE GAME.
Claims use since Oct. 22, 1945.

431,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GREEVER'S, INC., Chilhowie, Va. Filed Dec. 13, 1945. Serial No. 493,187.

GREEVER'S

FOR INSECTICIDES.
Claims use since Sept. 1, 1945.

431,070. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) THE REISS-PREMIER CORPORATION, West New York, N. J. Filed Dec. 19, 1945. Serial No. 493,568.

YELLO-BOLE

Premier

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since July 10, 1943.

431,071. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Filed Dec. 22, 1945. Serial No. 493,727.

CULLA-WAX

FOR COMBINATION LIQUID WAXING PREPARATION FOR USE IN CLEANING AND POLISHING AUTOMOBILE BODY SURFACES.
Claims use since September 1945.

431,072. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SITROUX, INC., New York, N. Y. Filed Feb. 19, 1946. Serial No. 496,929.

FAIREST

FOR HAIR ROLLS MANUFACTURED OF EITHER WOOL, COTTON OR PLASTIC FIBRE BATTING, THE FILLER HELD TOGETHER BY A WEBBING OF RAYON OR SILK.
Claims use since Mar. 1, 1945.

431,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHMAN BROS., Cleveland, Ohio. Filed May 7, 1946. Serial No. 501,579.

HIDE-X

FOR SKIN AND HAIR CONDITIONER FOR DOGS AND OTHER ANIMALS.
Claims use since Apr. 27, 1946.

431,074. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) U. S. CONSERVE CO., St. Louis, Mo. Filed May 17, 1946. Serial No. 502,354.

MOSCOVY

FOR CANNED GEFULLTE FISH.
Claims use since Mar. 14, 1946.

431,075. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. McCOY & SONS, Los Angeles, Calif. Filed June 24, 1946. Serial No. 504,501.



The drawing is lined for the color "green."
FOR VITAMIN CONCENTRATES FOR USE AS A SUPPLEMENT IN POULTRY AND LIVESTOCK FEEDS.
Claims use since May 1, 1945.

431,076. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) H. ERNSTBERGER, doing business as H. Ernstberger Co., New York, N. Y. Filed Aug. 19, 1946. Serial No. 507,628.

TRUSHEEN

FOR FABRICS MADE OF NYLON, RAYON, COTTON, WOOL AND COMBINATIONS OF ONE OR MORE OF THE SAID FIBERS, SOLD BY THE PIECE, BY THE BOLT AND BY THE YARD.
Claims use since Oct. 15, 1925.

431,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLEY-CLARKE COMPANY, San Francisco, Calif. Filed Aug. 21, 1946. Serial No. 507,732.



FOR FROZEN FRESH DECIDUOUS FRUITS, BERRIES, VEGETABLES AND FISH.
Claims use since March 1946.

TRADE-MARK REGISTRATIONS RENEWED

52,830. **NUBIAN.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,831. **STERLING.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,832. **NATIONAL.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,833. **KING.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,834. **ACHILLES.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,835. **NABOB.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,836. **PEARL.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,851. **VULCAN.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,852. **KRAKO.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,864. **OKATEX.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,865. **PURITAN.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,866. **HARD PAN.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,867. **CONQUEROR.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,868. **MECHANIC.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,869. **HERCULES.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

52,870. **PILGRIM.** BRUSHES OF ALL KINDS. Registered May 22, 1906. JOHN L. WHITING & SON CO. Re-renewed May 22, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

53,145. **DICTATOR.** BRUSHES OF ALL KINDS. Registered May 29, 1906. JOHN L. WHITING & SON CO. Re-renewed May 29, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

59,080. **W.** GUN-GREASE. Registered Jan. 1, 1907. WINCHESTER REPEATING ARMS CO. Re-renewed Jan. 1, 1947, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 15.

59,098. **REX.** CURED, SMOKED, AND CANNED MEATS. Registered Jan. 1, 1907. THE CUDAHY PACKING COMPANY, Chicago, Ill., and South Omaha, Nebr. Re-renewed Jan. 1, 1947, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Class 46.

61,501. **1900.** WASHING-MACHINES AND WRINGERS. Registered Mar. 26, 1907. THE NINETEEN HUNDRED WASHER CO., Binghamton, N. Y. Re-renewed Mar. 26, 1947, to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York. Class 24.

62,269. **FULL MOON.** CANDY AND CHEWING GUM. Registered Apr. 30, 1907. MANUFACTURING CO. OF AMERICA. Re-renewed Apr. 30, 1947, to Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 46.

195,526. **CLAVERCO.** READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. Registered Feb. 24, 1925. VERNIS CLAESSENS S. A. ANCT. CLAESSENS FRÈRES & CO., Deurne-Antwerp, Belgium, an organized company of Belgium. Renewed Feb. 24, 1945. Class 16.

195,527. **JAPONIKA.** READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. Registered Feb. 24, 1925. VERNIS CLAESSENS S. A. ANCT. CLAESSENS FRÈRES & CO., Deurne-Antwerp, Belgium, an organized company of Belgium. Renewed Feb. 24, 1945. Class 16.

208,776. **ALJO.** DYES AND COLORS. Registered Feb. 9, 1926. FREDERICK MALCHOW, doing business as The Aljo Manufacturing Co. Renewed Feb. 9, 1946, to Aljo Manufacturing Co. Inc., New York, N. Y., a corporation of New York. Class 6.

213,324. **MELOIL.** SHEET WATER AND OIL PACKING AND GASKETS MADE THEREFROM. Registered May 25, 1926. EARLE B. MELRATH, doing business as Melrath Supply and Gasket Company. Renewed May 25, 1946, to Melrath Supply & Gasket Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 35.

213,645. **DECORET.** BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 1, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

213,646. **SUNOL.** BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 1, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

213,647. **URBAN.** BRUSHES FOR PAINTING, VARNISHING OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 1, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

213,648. **AVALON.** BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 1, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

213,649. **CASCADE.** BRUSHES FOR PAINTING, VARNISHING OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 1, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 1, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

213,924. **DEKORATO.** BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Registered June 8, 1926. JOHN L. WHITING-J. J. ADAMS COMPANY. Renewed June 8, 1946, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 29.

214,176. **GRIEF-PROOF.** WRAPPING PAPER. Registered June 15, 1926. CALIFORNIA-OREGON PAPER MILLS, Los Angeles, Calif. Renewed June 15, 1946, to Columbia River Paper Mills, Portland, Oreg., a corporation of Washington. Class 37.

215,248. **DEADLOCK.** DEFORMED CONCRETE STEEL BARS. Registered July 13, 1926. HORACE T. POTTS & Co. Renewed July 13, 1946, to Horace T. Potts Co., Philadelphia, Pa., a partnership. Class 12.

215,552. **HANDY DANDY.** APRONS. Registered July 20, 1926. DONNELLY GARMENT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed July 20, 1946. Class 39.

217,007. **"OX-O-TONE" AND DRAWING.** DRY, READY-MIXED AND PASTE PAINTS, PAINT ENAMELS, VARNISHES, PREPARED SHELLACS, AND WATERPROOFING PAINTS. Registered Aug. 24, 1926. LEHMAN BROS., INC. Renewed Aug. 24, 1946, to Lehman Bros. Corp., Jersey City, N. J., a corporation of New Jersey. Class 16.

218,046. **CERVERA.** CIGARS. Registered Sept. 21, 1926. A. SANTAELLA & Co. INC., Tampa, Fla., and New York, N. Y., a corporation of Florida. Renewed Sept. 21, 1946. Class 17.

220,113. **REX.** OATS FOR SEED AND BARLEY FOR SEED. Registered Nov. 2, 1926. STUHR-SEIDL COMPANY. Renewed Nov. 2, 1946, to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware. Class 1.

220,540. **CRISALBINE.** THIOSULPHATE OF GOLD AND SODIUM. Registered Nov. 9, 1926. LES ETABLISSEMENTS POULENC FRERES. Renewed Nov. 9, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

220,575. **SURE FAST.** COTTON SUITING IN THE PIECE. Registered Nov. 9, 1926. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 9, 1946. Class 42.

220,589. **NANETTE.** HOSIERY. Registered Nov. 9, 1926. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 9, 1946. Class 39.

220,841. **"CROWN" ETC. AND DRAWING.** GRUYÈRE CHEESE. Registered Nov. 16, 1926. BURKI & CIE, Bern, Switzerland, a firm. Renewed Nov. 16, 1946. Class 46.

221,000. **POLAR KING.** REFRIGERATORS AND REFRIGERATOR PARTS. Registered Nov. 23, 1926. LEONARD REFRIGERATOR COMPANY, Grand Rapids, Mich. Renewed Nov. 23, 1946, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland. Class 31.

221,055. **MELORIPE.** TROPICAL FRUITS, PARTICULARLY BANANAS. Registered Nov. 23, 1926. UNITED FRUIT COMPANY, Boston, Mass., a corporation of New Jersey. Renewed Nov. 23, 1946. Class 46.

221,062. **WOOLWAITE.** FABRIC RUGS. Registered Nov. 23, 1926. WAITE CARPET COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Renewed Nov. 23, 1946. Class 42.

221,391. **TRYPOXYL.** ANILARSINATE OF SODIUM. Registered Nov. 30, 1926. LES ETABLISSEMENTS POULENC FRERES. Renewed Nov. 30, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

221,618. **PACIFIC CANNER AND PACKER.** MONTHLY PUBLICATION. Registered Dec. 7, 1926, MILLER FREEMAN, Seattle, Wash. Renewed Dec. 7, 1946, to Miller Freeman Publications of California, San Francisco, Calif., a corporation of California. Class 38.

222,036. **FLECTO.** CASTINGS MADE FROM MALLEABLEIZED CAST IRON. Registered Dec. 21, 1926. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed Dec. 21, 1946. Class 14.

222,307. **"HUNT" ETC.** AXES, HATCHETS, HAMMERS, ADZES, BROADAXES, PICKS, MACHETS, MATTOCKS, PICK MATTOCKS, AND GRUB HOES. Registered Dec. 28, 1926. KELLY AXE & TOOL CO., Charleston, W. Va. Renewed Dec. 28, 1946, to The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio. Class 23.

222,561. **PETER RABBIT.** CANNED PEAS AND CORN. Registered Jan. 4, 1927. KEENE-BELVIDERE CANNING COMPANY. Renewed Jan. 4, 1947, to Rock Valley Canning Company, Belvidere, Ill., a corporation of Delaware. Class 46.

222,899. **HYCOE.** CLUTCH FACINGS AND LININGS. Registered Jan. 11, 1927. THE MANHATTAN RUBBER MFG. CO. Renewed Jan. 11, 1947, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey. Class 35.

222,921. **STEWART'S.** WRITING INK. Registered Jan. 11, 1927. LUTHER FORD & COMPANY, Minneapolis, Minn., a firm. Renewed Jan. 11, 1947. Class 11.

223,422. **"AJAX" ETC.** DATE STAMPS, CERTIFYING STAMPS, RECEIPTING STAMPS, RECEIVING STAMPS, INDORSING STAMPS, AND RIBBON STAMPS. Registered Feb. 1, 1927. AJAX TIME STAMP COMPANY, Boston, Mass. Renewed Feb. 1, 1947, to Ajax Time Stamp Company, New York, N. Y., a corporation of Massachusetts. Class 37.

223,424. **OLD MANSE.** TABLE SIRUP, FRUIT PRESERVES, JELLY, AND MOLASSES. Registered Feb. 1, 1927. OELERICH & BERRY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 1, 1947. Class 46.

223,903. **PETER PUMPKIN SHOE.** BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Registered Feb. 15, 1927. LANE BROTHERS CO., Boston, Mass., a corporation of Massachusetts. Renewed Feb. 15, 1947. Class 39.

223,947. **"IXL" AND DRAWING.** CHEESE. Registered Feb. 15, 1927. JOHN S. MARTIN & CO. INC., Lowville, N. Y. Renewed Feb. 15, 1947, to Kraft Foods Company, Chicago, Ill., a corporation of Delaware. Class 46.

224,096. **O-B.** SURGICAL DRESSINGS AND SANITARY NAPKINS. Registered Feb. 15, 1927. KENDALL MILLS, INC. Renewed Feb. 15, 1947, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts. Class 44.

224,613. **314 RELIEF.** WRITING PENS OF ALL KINDS. Registered Mar. 1, 1927. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY. Renewed Mar. 1, 1947, to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey. Class 37.

224,696. **DROMEDARY.** CANNED PIMIENTOS. Registered Mar. 1, 1927. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed Mar. 1, 1947. Class 46.

224,991. **VILLA.** CANDY. Registered Mar. 8, 1927. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Renewed Mar. 8, 1947. Class 46.

225,272. **MEDICAL.** ARCH SUPPORTS AND SIMILAR FOOT CORRECTIVE APPLIANCES. Registered Mar. 15, 1927. THE SCHOLL MFG. CO. INC., Chicago, Ill., a corporation of New York. Renewed Mar. 15, 1947. Class 44.

225,684. **PADDOCK.** DRESS AND NEGLIGEE SHIRTS. Registered Mar. 22, 1927. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed Mar. 22, 1947. Class 39.

225,761. **WM. M. SCHOLL M. D.** BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC AND COMBINATIONS THEREOF. Registered Mar. 22, 1927. THE SCHOLL MFG. CO. INC., Chicago, Ill., a corporation of New York. Renewed Mar. 22, 1947. Class 39.

225,932. **WM. M. SCHOLL M. D.** ARCH SUPPORTS. Registered Mar. 29, 1927. THE SCHOLL MFG. CO. INC., Chicago, Ill., a corporation of New York. Renewed Mar. 29, 1947. Class 44.

226,129. **"WHIRLPOOL WASHER" AND DESIGN.** POWER-OPERATED CLOTHES-WASHING MACHINES. Registered Mar. 29, 1927. THE NINETEEN HUNDRED WASHER COMPANY, Binghamton, N. Y. Renewed Mar. 29, 1947, to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York. Class 24.

226,273. **DYCROME.** MATERIAL FOR TREATING AND COLORING CEMENT SURFACES BY CHEMICAL REACTION. Registered Apr. 5, 1927. THE MASTER BUILDERS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Apr. 5, 1947. Class 12.

226,324. **RAYOLA.** WOMEN'S, MISSES', AND CHILDREN'S BLOOMERS; DRAWERS OF KNITTED OR TEXTILE FABRIC; SLIPS; STEP-INS; VESTS; CHEMISES; LOUNGE AND BATH ROBES; DRESSES; PYJAMAS; NIGHT GOWNS; AND NEGLIGEES. Registered Apr. 5, 1927. N. FLUEGELMAN & CO., INC., New York, N. Y., a corporation of New York. Renewed Apr. 5, 1947. Class 39.

226,696. **"TAREYTON" ETC. AND DESIGN.** HATS AND CAPS FOR MEN. Registered Apr. 19, 1927. THE CROFUT & KNAPP CO., South Norwalk, Conn. Renewed Apr. 19, 1947, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

226,701. **B. ALTMAN & CO.** WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN AS FOLLOWS—VIZ., COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, CAPES, WRAPS, BREECHES, RIDING SUITS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Apr. 19, 1927. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Renewed Apr. 19, 1947. Class 39.

226,725. **"ECLIPSE" AND DESIGN.** MARKING AND STENCILING INKS. Registered Apr. 19, 1927. BINNEY & SMITH COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Apr. 19, 1947. Class 11.

226,824. **PEANUT NUGGETS.** FUDGE. Registered Apr. 19, 1927. GOLDEN NUGGET SWEETS. Renewed Apr. 19, 1947, to Golden Nugget Sweets Ltd., San Francisco, Calif., a limited partnership. Class 46.

226,936. **TUFSKIM.** ADHESIVELY-INTEGRATED FIBROUS MATERIAL (A MANUFACTURED MATERIAL). Registered Apr. 26, 1927. RESPRO, INC., Providence, R. I. Renewed Apr. 26, 1947, to Respro, Inc., Cranston, R. I., a corporation of Rhode Island. Class 50.

226,942. **DELTA.** READY-MIXED PAINTS, PAINT ENAMELS, VARNISH, WOOD AND IRON FILLER UNDERCOATING, VARNISH STAINS, BRUSHING LACQUER, BRONZING LIQUID, LACQUER THINNERS, BRONZES, FURNITURE AND AUTOMOBILE POLISHES AND FINISHING WAX. Registered Apr. 26, 1927. CON FERRO PAINT & VARNISH CO., doing business as Delta Lacquer & Products Company. Renewed Apr. 26, 1947, to Con-Ferro Paint & Varnish Company, St. Louis, Mo., a corporation of Delaware. Class 16.

226,957. **"VIX".** LEATHER PACKINGS. Registered Apr. 26, 1927. E. F. HOUGHTON & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 26, 1947. Class 35.

226,963. **MAYFAIR TUDOR ROSE.** SOAP. Registered Apr. 26, 1927. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 26, 1947. Class 4.

226,982. **OUTLINE REPRESENTATION OF A HEART.** NAIL FILES. Registered Apr. 26, 1927. C. J. BATES & Son, Chester, Conn., a firm. Renewed Apr. 26, 1947. Class 44.

227,033. **TRISOLVOIL.** TEXTILE OIL. Registered Apr. 26, 1927. PERKINS SOAP COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed Apr. 26, 1947. Class 6.

227,034. **DELVOIL.** TEXTILE OIL. Registered Apr. 26, 1927. PERKINS SOAP COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed Apr. 26, 1947. Class 6.

227,050. **BLUE STRIPS.** GUMMED TAPE. Registered Apr. 26, 1927. MID-STATES GUMMED PAPER COMPANY. Renewed Apr. 26, 1947, to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware. Class 37.

227,097. **REPRESENTATION OF A STAR.** GAS AND OIL STOVES. Registered Apr. 26, 1927. THE DETROIT VAPOR STOVE CO., Detroit, Mich. Renewed Apr. 26, 1947, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Class 34.

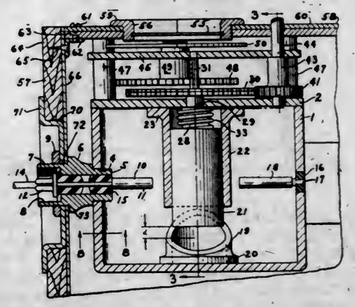
227,368. **SPORT-TEX.** LADIES' COTTON KNIT UNDERWEAR. Registered May 3, 1927. SPRING CITY KNITTING COMPANY, Spring City, Pa., a corporation of Pennsylvania. Renewed May 3, 1947. Class 39.

REISSUES

JULY 1, 1947

22,894
WAVEMETER
Stephen D. Lavoie, Little Silver, N. J., assignor to Manufacturers Electronic Developments, Inc., Morganville, N. J., a corporation of New Jersey
Original No. 2,349,440 dated May 23, 1944, Serial No. 412,102, September 24, 1941. Application for reissue October 24, 1944, Serial No. 560,087
10 Claims. (Cl. 250—39)

1. A wavemeter for measuring ultra-high frequencies comprising an electrically resonant chamber including a closed metal container, a first metal portion secured to and projecting inwardly from one wall of said container, a second metal portion secured to and projecting inwardly from the wall approximately opposite said first metal portion to form a lumped electrical capacity therebetween, the free ends of said metal portions being oblique and shaped to present to each other an increment of area variable in accordance with a predetermined function as said portions are moved relatively, means for changing the resonance frequency of the resonant circuit thus formed by said container and said portions comprising means for moving the free ends of said portions relatively toward and away from one another, and coupling means positioned within said container for applying unknown frequencies to the resonant chamber and for withdrawing the oscillations from the resonant chamber for indicating resonance, said coupling means including insulated input and output electrodes projecting through the walls of said chamber on opposite sides of said metal portions, and in capacitative coupling relationship with at least one of said portions.



PLANT PATENTS

GRANTED JULY 1, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

740
ROSE PLANT
Joseph E. Wiltgen, Park Ridge, Ill., assignor to The Premier Rose Gardens, Consolidated, Des Plaines, Ill., a corporation of Illinois
Application May 23, 1946, Serial No. 671,757
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, substantially as shown and described, characterized particularly by its vigorous growth; its continuous and exceptionally free blooming habits; sturdy stems; and the soft pink color of its blooms with the inner surface of its petals a pale pink and the outer surface a deeper shade of pink.

741
PEAR TREE
Arthur Moritz, Zillah, Wash., assignor to Arthur D. MacKelvie, Zillah, Wash.
Application March 8, 1946, Serial No. 653,069
1 Claim. (Cl. 47—62)

A new and distinct variety of pear tree, characterized as to novelty dominantly by the all-over Mahogany Red coloring of the fruit, improved keeping quality, noticeably finer grain and higher sugar content, as compared with its parent variety, while retaining the latter's habits of growth and maturity season, substantially as shown and described.

PATENTS

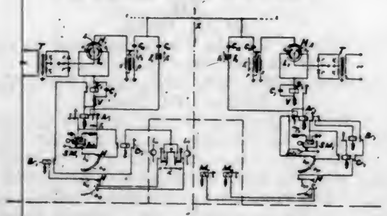
GRANTED JULY 1, 1947

2,423,076
METHOD OF MAKING HELMETS
Le Grand Daly, Birmingham, Mich.
Application February 5, 1943, Serial No. 474,867
6 Claims. (Cl. 2—3)



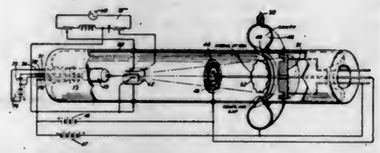
1. In a method of making a helmet from plastic treated fabric, the steps of providing a set of flat fabric pieces, said set including at least one substantially round crown piece foldable into an approximate form of the crown, and at least one brim piece having an integral peripheral brim portion and a radially slitted central portion forming wedge-shape tongues, assembling said pieces in helmet form with said tongues overlapping said crown piece from the bottom edge thereof toward the top of the crown, and molding said pieces together to form a unitary helmet shell structure.

2,423,077
ELECTRICAL SIGNALING SYSTEM WITH REMOTE CONTROL
Charles De Vriendt and Constant De Zeeuw, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 28, 1943, Serial No. 473,884
In the Netherlands August 29, 1941
2 Claims. (Cl. 177—353)



1. In an electrical remote control system, a first station, a second station, a transmission line extending between said stations, a step-by-step selector switch at each station each said selector including a wiper and an associated bank of contacts and a magnet for moving the wiper a step responsive to an energization and a deenergization thereof, a first source of alternating current of a first frequency at said first station, a second source of alternating current of a second different frequency at said second station, means at each station for applying to and disconnecting from said transmission line alternating current from the source thereat, frequency selective means at each station responsive only to the frequency of the alternating current source at the other station, means at the first station responsive to the respective application and disconnection of the second alternating current source at the second station for de-energizing and energizing the magnet at said first station and for controlling the disconnection and application of the first alternating current source at said first station, and means at the second station responsive to the respective application and disconnection of the first alternating current source at the first station for energizing and de-energizing the magnet at said second station and for controlling the application and disconnection of the second alterating current source at said second station.

2,423,078
HARMONIC GENERATOR
Alva Eugene Anderson, Spring Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1943, Serial No. 506,928
6 Claims. (Cl. 315—5)

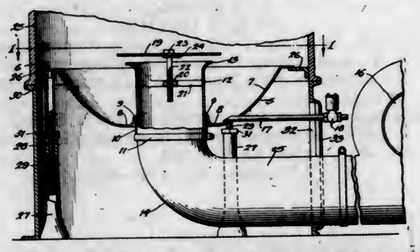


1. A harmonic generating system comprising means for forming a beam of electrically charged moving particles, beam sweeping means in the path of said beam for controlling said beam to sweep over a conical sweep path, a source of waves of fundamental frequency coupled to said beam sweeping means whereby the beam may be made to sweep over said path cyclically in synchronism with the waves from said source, a toroidal cavity resonator placed coaxially with respect to and immediately adjacent to said conical sweep path at a point beyond said beam sweeping means, said resonator having a slot immediately adjacent to said conical sweep path, whereby the oscillatory electromagnetic field of said resonator is coupled with the moving particles constituting said beam, and means to deflect the beam from said conical sweep path during a portion of each cycle of the sweep, to vary the distance between said beam and said slot, thereby enabling said beam to energize the said oscillatory electromagnetic field of said resonator, said beam deflecting means being located adjacent to the sweep path at a point intermediate between said beam sweeping means and said resonator.

2,423,079
BOWL TYPE OIL BURNER
John G. Behrendt and Louis C. Ruthy, Chicago, Ill.
Application February 14, 1945, Serial No. 577,835
3 Claims. (Cl. 158—91)

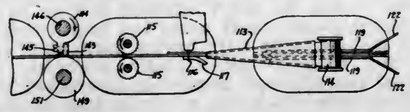
3. A liquid fuel burner comprising a burner shell in the form of a bowl and continuously inclined downwardly from the outer edge towards the center of the burner, an imperforate air inlet shell extending upwardly at the center of the

burner shell and connected at its lower end with the shell at the bottom thereof, and having its upper end extending above the bowl, said burner shell and air inlet shell forming a hollow annular chamber, means for discharging liquid fuel into said chamber, and means for creating a partial vacuum in the chamber during periods of combustion, including a pressure source of air supply for forcing air upwardly through the air inlet shell, and a deflector located adjacent to and spaced from the upper edge of the air inlet



shell and projecting laterally beyond the same and also located above the horizontal plane of the upper edge of the burner shell, said deflector and burner shell cooperating to form an annular opening for directing a layer of air under pressure over the upper edge of the bowl for producing a wiping action thereon tending to create a partial vacuum within the bowl resulting in a mixture of air and fuel vapor and a flame projected laterally above and outwardly from the bowl.

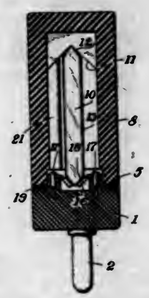
2,423,080
BAG CLOSING MACHINE
Daniel Belcher, Minneapolis, Minn., and Frank R. Linda, Washington, D. C., assignors to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application November 10, 1944, Serial No. 562,834
21 Claims. (Cl. 112—11)



1. In a machine of the class described, a conveyer for conveying filled bags along a predetermined path without interruption, means for pressing the bag top walls into flatwise relation, means for longitudinally folding a strip of sealing tape upon itself and successively applying the tape to the flattened bag top walls of each bag as the bags advance through the machine, means for securing the tape to the bag top walls, co-acting rotary tape cutting elements having vertical axes of rotation, and means made operable by movement of the bags through the machine to cause said cutting elements to operate and sever the tape between adjacent bag tops.

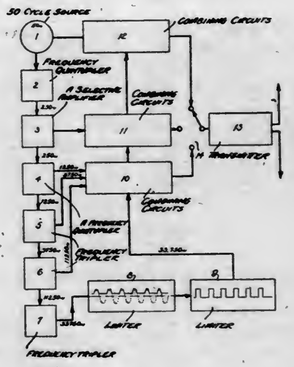
2,423,081
CRYSTAL HOLDER ASSEMBLY
Samuel Alexander Bokovoy, Verona, and Kenton Kitch Garrison, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 18, 1944, Serial No. 554,662
8 Claims. (Cl. 171—327)

1. A frequency determining unit of the character described comprising separable base and cover members of insulating material, said cover member having a bottom opening socket for the reception of a crystal element and formed with spaced angular supports for the crystal at the inner end thereof, terminal pins and contacts connected to the pins supported by the base member,



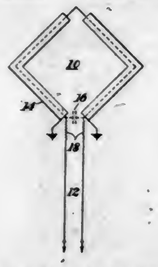
said contacts consisting of flat metal having angularly deflected contact lip portions in cooperating spaced relation to provide a central resilient V bearing for a crystal and a crystal element provided with opposite face electrodes positioned to have bearing engagement with the cover angular support and with the resilient contact bearing.

2,423,082
IMPULSE RADIATION OBSTACLE DETECTOR
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1941, Serial No. 380,186
In France March 30, 1940
9 Claims. (Cl. 250—1.66)



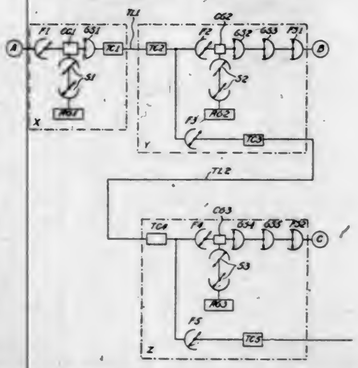
5. System for obstacle detection by electromagnetic waves comprising a transmitter for transmitting impulses consisting of short trains of electromagnetic waves, a receiver for receiving said waves after reflection by an object, a circuit for rendering said receiver inoperative, means for deriving from said transmitter impulses of the same wave form and periodicity as said transmitted impulses, means for applying said derived impulses to said circuit over two paths, and a delay network in one of said paths.

2,423,083
LOOP ANTENNA SYSTEM
Edward Daubaras, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 5, 1943, Serial No. 478,079
5 Claims. (Cl. 250—33)



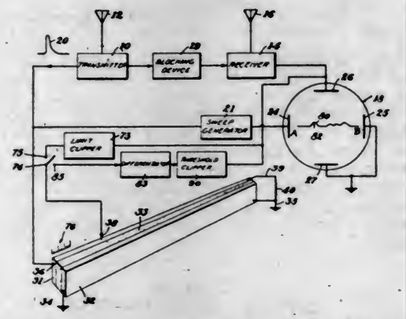
2. A receiving antenna system, including in combination, a loop antenna, a transmission line adapted to be connected at one end to the ends of the loop, and means damping voltage fluctuations of the energy received at the other end of the transmission line without appreciably reducing the voltage amplitude, comprising a resistor connected immediately adjacent each end of the loop and serially with the conductors of the transmission line.

2,423,084
TELECOMMUNICATION SYSTEM EMPLOYING VOICE FREQUENCY CURRENT FOR SELECTIVE SIGNALING
Martinus den Hertog, Antwerp, Belgium, and Esmond P. G. Wright, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1943, Serial No. 486,274
In Great Britain June 11, 1940
3 Claims. (Cl. 179—18)



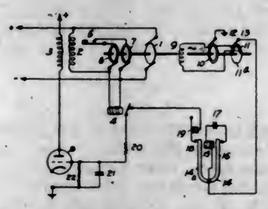
1. In an alternating current communication system, a plurality of exchanges, a plurality of lines terminating at said exchanges, means including trunk lines and a series of stages of selectors at said exchanges for first selecting trunks and selectors to build up a connection between a calling line at one exchange and a called line at a second exchange and then establish communication over said connection, a current source, means for sending from said source voice frequency selective and supervisory signals from one exchange to another for controlling the building up of the connection, including supervisory signal consisting of a single direct current impulse and another kind consisting of a double direct current impulse, means at one selector stage responsive to a voice frequency signal, and means for transmitting back the last-mentioned signal from a subsequent selector stage in the connection for establishing the communication over the connection.

2,423,085
DELAY DEVICE
Louis A. de Rosa, West Brighton, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Original application March 5, 1943, Serial No. 478,080. Divided and this application March 13, 1944, Serial No. 526,169
4 Claims. (Cl. 178—44)



1. A delay device comprising two strips of conducting material, a strip of dielectric material interposed between the strips of conducting material, means to ground one of the strips of conducting material, the other of said conducting strips having an input terminal and an output terminal spaced apart along the length thereof, and said dielectric strip having particles of conducting material substantially uniformly dispersed therethrough to provide distributed leakage between the strips of conducting material.

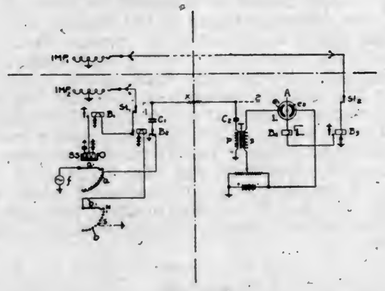
2,423,086
SYNCHRONIZING DEVICE
Lucien Devaux, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 1, 1943, Serial No. 477,649
In France April 11, 1942
8 Claims. (Cl. 172—293)



8. An arrangement to control the frequency of a tuning fork in dependence upon a synchronization signal received from a remote transmitter

station operating at a predetermined frequency, said arrangement comprising means to convert the received synchronization signal into a continuously varying potential, the curve of which is a function of the transmitter frequency, a tube containing a cathode, a plate and a grid, an activator for the tuning fork having a coil connected in series in the plate circuit of said tube, and means including at least one intermittently operating make and break contact controlled by said tuning fork to connect said signal converting means intermittently with said grid so as to apply to the latter, upon each operation of said contact, a potential corresponding to a point on said curve shifted along the latter in function of the phase difference between the transmitter and the tuning fork, until the frequencies of the transmitter and the tuning fork have become equal and said phase difference, the grid potential and the strength of the plate current through the activator coil have become constant.

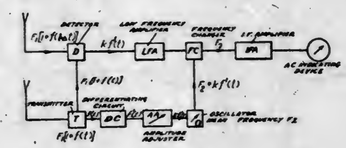
2,423,087
IMPULSE SIGNAL TRANSMISSION SYSTEM
Charles De Vriendt, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 24, 1943, Serial No. 480,418
In the Netherlands June 21, 1941
20 Claims. (Cl. 179—16)



1. In a signalling system, a sending station, a receiving station, and a transmitting line interconnecting said stations, first impulse producing means associated with said sending station, second impulse producing means associated with said receiving station, supply means for supplying electric energy to said transmitting line, operative means at said receiving station associated with said second impulse producing means, said operative means being adapted to respond only to the combined action of said second impulse producing means and the electric energy supplied over said transmitting line, whereby the effect of said second impulse producing means may be controlled from said sending station, by supplying or discontinuing the supply of electric energy at the sending station.

2,423,088
DISTANCE MEASURING SYSTEM
Charles William Earp, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application March 13, 1943, Serial No. 479,122
In Great Britain April 3, 1942
6 Claims. (Cl. 250—1.68)

1. Obstacle detecting system utilizing electromagnetic waves comprising transmitting means for generating a cyclically frequency modulated wave, means for radiating said frequency modulated wave, means for receiving said frequency modulated wave after reflection by an obstacle, means for combining said received wave with a wave derived directly from said transmitting means to produce a beat frequency wave whose frequency is proportional to the rate of change of transmitted frequency and whose amplitude of frequency swing depends upon the distance of the obstacle, differentiating means for deriving from said transmitting means a voltage which



varies according to the first differential with respect to time of the frequency modulating wave form, an oscillator, an amplitude adjuster, a frequency changer, means for applying said derived voltage over said amplitude adjuster to said oscillator to obtain a frequency modulated output therefrom, means for applying said beat frequency wave and the output of said oscillator to said frequency changer, indicating means, selective means tuned to the mean frequency of said oscillator, and means including said selective means for connecting said indicating means to the output of said frequency changer.

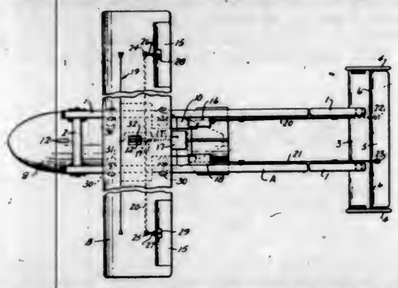
2,423,089
PROCESS FOR THE MANUFACTURE OF PHENYL AND SUBSTITUTED PHENYL ACRYLATES AND THEIR POLYMERS
Edward M. Filachione, Philadelphia, and Charles H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application December 10, 1943, Serial No. 513,742
4 Claims. (Cl. 260—479)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing aryl acrylates which comprises pyrolyzing the corresponding aryl ester of alpha-acetoxypropionic acid at a temperature of about 400° to 600° C. for such time as required to produce the desired aryl acrylate.

2,423,090
CONTROLLABLE GLIDING ATTACHMENT FOR BOMBS
Rudolph Fink and George V. Holloman, Fairfield, and Charles L. Paulus, Dayton, Ohio
Application August 25, 1943, Serial No. 499,890
5 Claims. (Cl. 244—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

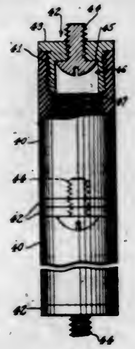
1. In a dirigible gliding attachment, for a conventional aircraft bomb having a supporting means projecting laterally from one side of the bomb, adapted to be releasably secured to an aircraft for release from an elevated position, said attachment comprising a rigid substantially rectangular flat frame-like structure composed of a pair of elongated spaced side by side frame members connected together by cross-frame members at their front and rear ends, one of said cross-frame members having adjustable

glide control surfaces thereon, strap members depending from the lower side of the frame-like structure, adapted to be clamped around said bomb to support the bomb between the elongated spaced side frame members during the flight, with the bomb positioned in engagement with said cross-frame members and the laterally projecting supporting means on the bomb dis-



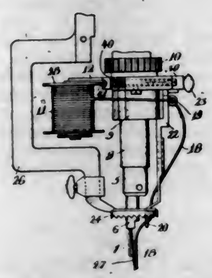
posed between the two elongated side frame members, a unitary gliding airfoil wing structure adapted to be secured to said frame-like structure opposite to one of said supporting strap members, said wing structure having an opening therethrough for receiving said bomb supporting means therethrough, and means for adjusting the glide control surfaces carried by said frame-like structure.

2,423,091
CONTACT RECTIFIER
William Fiore, Brooklyn, N. Y., and Chester A. Kotterman, Livingston, N. J., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware
Application October 3, 1942, Serial No. 460,600
7 Claims. (Cl. 175—366)



1. A rectifier comprising a stack of rectifier components including a plurality of flat electrode members having one surface uncoated and the other coated with a rectifying material, a contact member disposed between the respective electrode members for making contact with the rectifying material on one plate and the uncoated surface of the adjacent plate, said contact members being each provided with a yielding inner portion for making contact with the coated surface of one plate and an outer portion for making contact with the uncoated surface of the adjacent plate and means for insulating said outer portion from the coated surface of the first mentioned plate.

2,423,092
EMBROIDERING MACHINE
Jack Louis Fogel, New York, N. Y., assignor, by mesne assignments, to Manhattan Scalloping and Embroidery Works, Inc., New York, N. Y., a corporation of New York
Application July 24, 1942, Serial No. 452,153
In Canada May 22, 1942
15 Claims. (Cl. 112—98)



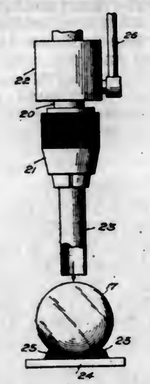
2. An embroidering machine of the character described including means for winding a binding thread around a filler and automatically varying the tensioning of the binding thread at regularly recurring intervals during the winding operation, said means comprising a spool from which the binding thread is fed, means mounting said spool for turning movement about its central axis, means for moving said spool in a circular path around the filler, spool engaging means functioning to apply a constant braking pressure to said spool to yieldingly resist rotation of the spool about its axis and to thereby insure the maintenance of a predetermined tension on the binding thread during the winding of the thread about the filler, and additional means arranged to apply a further braking pressure to the spool during a part of each rotation about its axis.

2,423,093
ETHYLENE GLYCOL-ISOPROPYLENE GLYCOL-SEBACIC ACID-ACONITIC ACID POLYESTER
Carl J. Frosch, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 14, 1943, Serial No. 506,263. In Canada January 8, 1943
2 Claims. (Cl. 260—75)

1. An ethylene glycol-isopropylene glycol-sebacic acid-aconitic acid polyester, the aconitic acid entering into said polyester constituting between about .025 mol per cent and about 5 mol per cent of the total sebacic acid and aconitic acid, said polyester being non-cyclic and possessing a degree of linear growth corresponding to a degree of esterification in excess of 98 per cent.

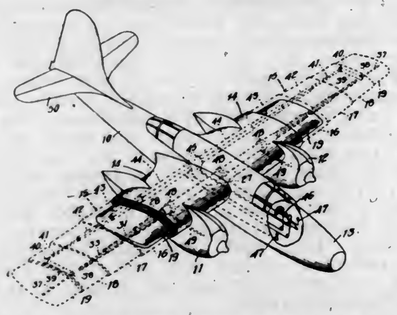
2,423,094
METHOD OF MANUFACTURING GAGES
Irvine C. Gardner, Chevy Chase, Md.
Application August 10, 1944, Serial No. 548,877
13 Claims. (Cl. 51—286)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. The method of manufacturing a gage of siliceous material suitable for use in gaging cylindrical holes and borings, which comprises grinding a body of siliceous material into the form of a substantially precise sphere, and thereafter isolating from said substantially precise



sphere of siliceous material a columnar body having at its ends antipodal surfaces of said sphere.

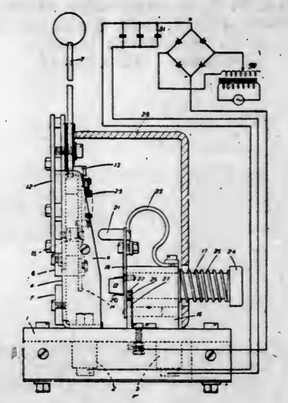
2,423,095
VARIABLE AREA WING
Thomas F. Gibson, Cleveland Heights, Ohio
Application January 27, 1944, Serial No. 519,963
12 Claims. (Cl. 244—43)



1. In an aeroplane, the combination with the fuselage having a fixed wing portion at each side thereof, of telescoping wings arranged at opposite sides of the fuselage and movable into and out of said fixed wing portions, each telescoping wing being composed of movable sections adapted to be telescoped one within the other at adjacent sides of the fuselage, an aileron movably supported in connection with the outermost section of each wing and maintained in extended position beyond the telescoping wing sections and said fixed wing portions in all positions thereof, and means compensating for different positions of the telescoped sections of the wings for actuating the ailerons in all positions of said sections.

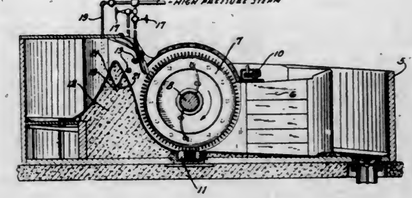
2,423,096
ELECTRIC WELDING APPARATUS
Gilbert Gilliver, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application March 26, 1945, Serial No. 584,799
In Great Britain April 21, 1944
6 Claims. (Cl. 219—4)

1. A tool for the electric fuse welding of conductors comprising means for clamping the conductors with their ends in a fixed position with respect to a welding electrode, a shutter normally interposed between the conductors and the electrode, and independently actuated means for



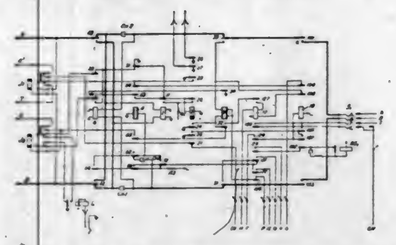
advancing the electrode into contact with the said ends, the last-mentioned means being adapted also to cause the withdrawal of the shutter out of the path of the electrode.

2,423,097
BEATER FOR DISINTEGRATING PAPER CONTAINING RESIN
Michael Goehler, Frank H. Reimer, and Eugene F. Davis, Appleton, Wis., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 5, 1945, Serial No. 576,302
2 Claims. (Cl. 92—22)



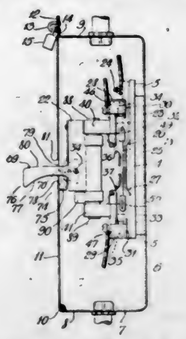
1. A beater comprising in combination a tub having a channel including a bottom and two side walls, a bed plate in said bottom, a rotatable beater roll above said bed plate, means for maintaining said beater roll in a position high off the bed plate, a back fall extending across the channel adjacent said beater roll having its upper surface spaced from the beater roll, and two steam discharge nozzles mounted in each of the two side walls in the space between the upper surface of the back fall and the beater roll, said two nozzles being located at different levels in said space and disposed angularly with their open ends directed towards the upper surface of the back fall, said nozzles being connected to a source of high pressure steam whereby the jets of steam which issue therefrom function to burst and cook the stock, clear the back fall, prevent the formation and matting of stock films thereon and to increase the stock circulation and turbulence within the beater tub.

2,423,098
AUTOMATIC SWITCHING SYSTEM
Fernand Pierre Gohorel, Antony, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1943, Serial No. 493,285
In France March 11, 1941
10 Claims. (Cl. 179—18)



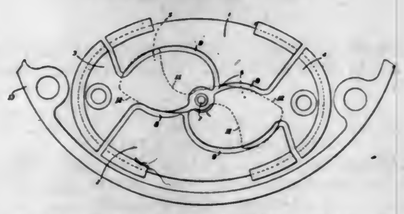
1. In a telephone exchange system, numerically designated lines, means including selectors arranged in a plurality of numerical stages for establishing a connection between the calling and called lines, a register at the exchange variably operable in accordance with the digits of the called number, means associated with the register to generate potentials differing from one-another in character, means controlled by the register for applying a particular potential to a selector, and means responsive thereto for numerically operating the selector.

2,423,099
ELECTRIC SWITCH
Stephen S. Grady, New York, N. Y.
Application September 13, 1945, Serial No. 616,073
15 Claims. (Cl. 200—16)



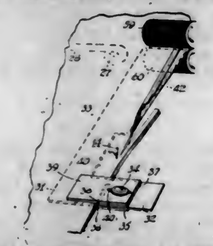
1. In an electric switch, the combination of a main terminal, a pair of secondary terminals, and means for alternately connecting said main terminal with either of said secondary terminals, said connecting means including a common fuse, a fuse contact plate connected to each end of said fuse, a main contact plate connected to said main terminal, a secondary contact plate connected to each of said secondary terminals, and an interposer slidably mounted between said main contact plate and the contact plates of said fuse and of said secondary terminals, said interposer having two contacts and three main positions, an intermediate neutral position where its two contacts are free, one closed position where one of its contacts bridges the gap between one fuse contact plate and the contact plate of one of said secondary terminals, and where the other of its contacts bridges the gap between the other fuse contact plate and the main contact plate, and the other closed position where said other of its contacts bridges the gap between the other of said fuse contact plates and the contact plate of the other of said secondary terminals, and where in turn the said first-mentioned of its contacts bridges the gap between said first-mentioned of its fuse contact plates and said main contact plate.

2,423,100
ELECTROSTATIC POTENTIAL MEASURING INSTRUMENT
John Handley, London W. C. 2, England, assignor to Standard Telephones and Cables, Limited, London, England, a British company
Application February 27, 1943, Serial No. 477,406
In Great Britain May 11, 1942
7 Claims. (Cl. 171—95)



1. In an electrostatic voltmeter of the quadrantal type, means for producing a substantially linear relation between exciting voltage and indicating torque, two oppositely polarized pairs of stator blades arranged in one plane in a generally quadrature position around a center, said pairs being co-extensive in a radial plane for a major portion of their length and being separated from each other by slits of two curvature types extending spirally each in reverse curvature from the center to the periphery of the stator blades, a rotor blade arranged rotatably about an axis through said center in a plane parallel to the stator plane, said rotor blade comprising vanes extending spirally from said axis of rotation in a direction substantially similar to that of one type of the slits.

2,423,101
MACHINE FOR THE ARRANGEMENT OF SEAMS
Julius Katz, Bronx, and Frank P. Majoros, Brooklyn, N. Y., assignors to Superba Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application November 9, 1943, Serial No. 509,568
11 Claims. (Cl. 112—217)

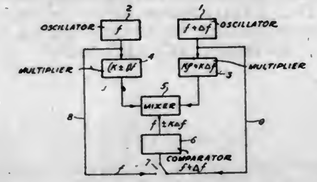


1. In combination, means for seaming plies of material, guide means within said plies and extended beyond the seaming point and across the seam line, and means for drawing the material directly from the point of seaming over said guide, whereby the material is moved over the guide means to bring a marginal portion of said material over the edge thereof adjacent the seam line, thereby arranging the seam for pressing.

2,423,102
RENDERING OF FATTY MATERIALS
Havard L. Keil, Clarendon Hills, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 16, 1943, Serial No. 506,573
12 Claims. (Cl. 195—3)

12. A process for rendering fats from animal fatty materials wherein said fats are held by protein tissue comprising conditioning said fatty materials by mixing therewith a proteolytic enzyme material while said fat is still held by said tissue, said enzyme material being in an amount of from 0.005% to 0.020% by weight of said fatty material, and while said fat is still held by said tissue, heat treating said conditioned material to produce liberation of the fats from the protein tissue by subjecting the tissue at a pH in excess of 6.0 to the action of heat in excess of 140° F., and separating the released fat from the protein material.

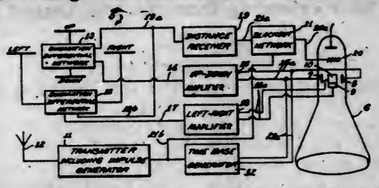
2,423,103
SYSTEM FOR MEASURING FREQUENCY DEVIATIONS
Renaud Koechlin, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 22, 1943, Serial No. 491,802
In France October 7, 1941
14 Claims. (Cl. 172—245)



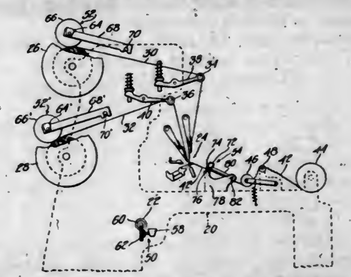
1. Frequency drift comparing system including a source of first frequency, the drift of which is to be compared, a source of standard second frequency, means for multiplying said first frequency by a factor K, means for multiplying said second frequency by a factor $K+1$, means for mixing said frequencies after multiplication, comparator means fed by the output of said mixing means and switching means for predeterminedly feeding to said comparator means a selected one of said unmultiplied frequencies, whereby the drift of said first frequency appears multiplied by one of said factors.

2,423,104
DIRECTION INDICATING APPARATUS
Emile Labin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1941, Serial No. 383,108
7 Claims. (Cl. 250—1.62)

7. A radio distance and position indicating apparatus comprising a cathode ray tube having a screen with a distance scale thereon, and horizontal and vertical deflecting means, a receiver, means for controlling the cathode ray beam to establish on said scale a first point indicative of the distance of an object from said receiver, and means responsive to the output of said receiver for deflecting said beam to a second point bearing a position relative to said first point indicative of the position of said object in a two coordinate sense relative to said receiver and establishing on said screen a line between said points.



2,423,105
METHOD AND MEANS FOR CHECKING AND CONTROLLING THE OPERATION OF TEXTILE MACHINES
Fritz Lambach, Tenafly, N. J.
Application December 17, 1943, Serial No. 514,585
35 Claims. (Cl. 66—86)

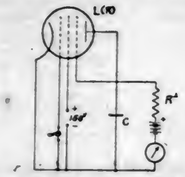


1. A warp knitting machine comprising: a rotatable main shaft, at least one warp beam, knitting implements driven by said main shaft for producing a fabric with warp yarn drawn from said warp beam, an indicating device including indicating elements for indicating the revolutions of the main shaft, said indicating device including a drive responsive to a rotation of said main shaft, indicating means including indicating elements for indicating the length of warp yarn supplied by said warp beam to said knitting implements, said indicating means including a drive responsive to a movement of said warp yarn, the indicating elements of said indicating device and of said indicating means being arranged next to each other at an indicating station, and means associated with the drives of said indicating device and of said indicating means for moving the indicating elements of said indicating station.

2,423,106
ELECTRON DISCHARGE TUBE AMPLIFIER
Gerard J. Lehmann, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1943, Serial No. 482,908
In France September 12, 1941
3 Claims. (Cl. 171—95)

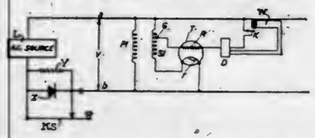
1. A circuit combination for amplifying direct and low frequency currents including an electronic valve capable of operation under conditions of negative resistance and including an anode and a plurality of grids, a capacitor shunted across the anode and the cathode of said valve, an integrating circuit shunted across said capacitor includ-

ing a positive resistance, an integrating instrument and a source of potential, all connected in series, a high frequency current feed circuit for said valve extending from the grid nearest said



cathode to said cathode thereof, and an input circuit for direct and low frequency current extending from the grid next removed from said cathode to said cathode.

2,423,107
THERMISTOR CONTROLLED RELAY CIRCUITS
Eric Malcolm Swift McWhirter, Henry Wolfson, Roland Harris Dunn, and Stanley Carden Shepard, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application May 15, 1943, Serial No. 487,190
In Great Britain June 2, 1942
4 Claims. (Cl. 175—320)



1. A receiving circuit for receiving direct current signals transmitted over an alternating current supply system including a transformer having a primary winding connected across the supply wires of said system and a secondary winding, an indirectely heated thermistor including a heating coil, means connecting said secondary winding and said heating coil in series across said supply wires, said primary, said secondary and said heating coil having such electrical constants as to draw little alternating current energy from said supply wires, a relay and means connecting said relay and the resistance element of said thermistor in series between one supply wire and a tap on said secondary, whereby said heating coil is heated by said direct current signals to cause changes in the degree of heating of said resistance element, thereby causing said relay to function.

2. Circuit according to claim 1, also including a key connected in series between said relay and one supply wire, and means for opening said key and thereby disconnecting said thermistor for restoring the circuit to normal after operation of said relay.

2,423,108
N³-CARBOXYACYL-METANILAMIDES
Maurice L. Moore, Detroit, Mich., and Tony M. Immediata, Wilmington, Del., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application July 7, 1943, Serial No. 493,750
7 Claims. (Cl. 260—302)

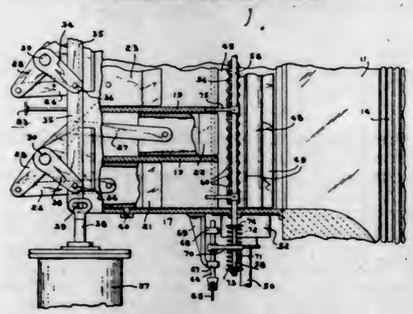
1. A therapeutic preparation comprising as its primary therapeutically active constituent at least one member of the class of N³-carboxyacylmetanilamides and the carboxylates thereof, in which in addition to the carboxyacylamino group and the sulfonamide group in meta position to one another, the phenyl residue of the metanilamide structure is further substituted in a position selected from positions ortho and para to the sulfonamide radical by a substituent selected from the group consisting of alkyl, hydroxy, carboxy, alkoxy and halogen radicals, and in which one of the two remaining valences of the sulfonamido nitrogen is linked to a member of the class of hydrogen and a heterocyclic radical.

2,423,109
MEANS FOR IMPROVING THE EJECTION OF MASSES
Georges Monnet, New York, N. Y.
Application July 1, 1944, Serial No. 543,169
1 Claim. (Cl. 89—14.1)



A device for improving the ejection of solid, liquid and gaseous masses out of an elongated barrel, said device comprising in combination with an elongated barrel having a rear end, an elongated sleeve enclosing said barrel, and movable longitudinally thereon, said sleeve having a passage communicating with the atmosphere at the rear end thereof, means carried by said sleeve for varying the size of said passage, and ribs carried by said barrel and carrying said sleeve.

2,423,110
SPREADER STOKER APPARATUS
Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1943, Serial No. 504,395
9 Claims. (Cl. 110—115)



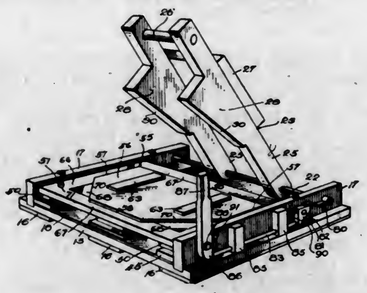
1. Spreader stoker mechanism comprising a hopper, a rotary impeller, a spill plate adapted to receive fuel from the hopper and to discharge it to the rotary impeller, means for feeding fuel rearwardly over the spill plate from the hopper to the rotary impeller, elongated plate structure extending transversely of the spreader mechanism adjacent the rear discharge edge of the spill plate, means mounting said plate structure for reciprocable transverse movement, means providing a plurality of projections on the forward face of the plate structure, and means for imparting transverse reciprocatory motion to said plate structure, whereby the projections on the face of the plate structure break up the mass of fuel fed to the rear discharge edge of the spill plate.

2,423,111
PNEUMATIC PUMPING MECHANISM
Charles M. O'Leary, Detroit, Mich.
Application July 10, 1944, Serial No. 544,209
20 Claims. (Cl. 103—5)



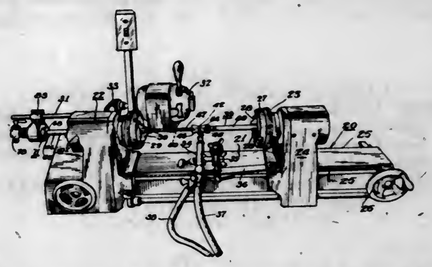
1. In a gas-operated well-pumping mechanism, a single-acting plunger pump adapted to draw liquid from a body of liquid standing in the well and discharge that liquid into the well tubing, said pump including a cylinder having a pumping chamber at one end and a pumping plunger in said cylinder, a motor cylinder of larger diameter than the pumping cylinder and having one end in constant fluid communication with the opposite end of the pumping cylinder, a piston in the motor cylinder, a mechanical connection between the piston and plunger, means for supplying gas under pressure alternately, first to both ends of said motor cylinder and then only to the said one end of the motor cylinder, said motor cylinder having at its opposite end a restricted outlet.

2,423,112
PRINTING MACHINE
Nicholas J. Pantazakos, United States Army, Westwood, N. J.
Application May 26, 1944, Serial No. 537,447
19 Claims. (Cl. 101—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



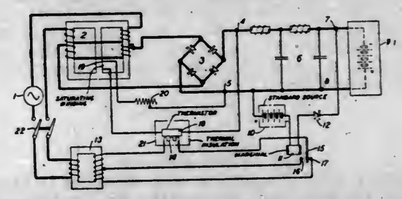
1. In a printing machine, a bed, a printing form supported by the bed, a platen movable relative to the form, a frame having inner faces interfitting with and dimensioned to surround outer faces of the platen to tautly secure the material to be printed to the platen in position to engage the form, and means movable relative to the machine and platen for engaging the platen to move it to operably engage the form to print impressions on the said material.

2,423,113
APPARATUS FOR MAKING PRECISION-BORE TUBES
George W. Pfleghar, Upper Moreland Township, Montgomery County, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania
Application February 5, 1944, Serial No. 521,168
5 Claims. (Cl. 49—7)



1. Apparatus for forming tubing or the like having a precision bore comprising a lathe having a movable tail stock and having a head stock provided with a rotatable spindle, said head and tail stocks having aligned centering chucks, an axially apertured heating element supported from said tail stock chuck, a burner supported from said tail stock and adapted externally to heat said heating element, a mandrel rotatably mounted upon the head stock spindle and extending co-axially within a tube of thermoplastic material rotatably supported from the head stock chuck, said tube being adapted to enter the axial aperture in said heating element and to provide an annular clearance therewithin upon inward movement of said tail stock, means for evacuating said tube during rotation thereof, and means for gradually moving said tail stock so as gradually to move said heating element axially along said rotating evacuated tube thereby continuously to collapse the heated portion of said rotating evacuated tube upon said mandrel.

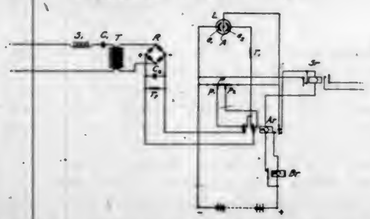
2,423,114
VOLTAGE REGULATED RECTIFIER CIRCUIT
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1942, Serial No. 452,351
5 Claims. (Cl. 175—363)



1. Apparatus for varying the effective alternating electromotive force supplied to a rectifier comprising an inductive device having a magnetic core, transformer primary and secondary windings associated with the core, a sat-

urating winding also associated with the core, a rectifier having its input terminals connected to the output terminals of the secondary winding and having an output circuit, a source of standard electromotive force and an intermittently operating relay having an armature and contacts and having its operating winding connected in series across the rectifier output circuit with the standard electromotive force opposing the rectified electromotive force to subject the relay to the difference of the two electromotive forces, a thermistor and a current supply source in series with the saturating winding, and means controlled by the engagement of the relay armature with a contact of the relay to vary the temperature of the thermistor and consequently the current in the saturating winding.

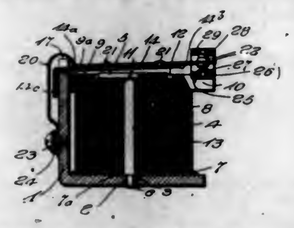
2,423,115
ELECTRICAL SIGNALING SYSTEM
Willy Hortense Prosper Pouliart, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 22, 1943, Serial No. 473,275
In the Netherlands August 30, 1941
3 Claims. (Cl. 178—70)



1. System of receiving and reproducing modulated carrier wave pulses, including a filter for selecting the carrier wave, transformer means fed through said filter, rectifier means fed from said transformer for developing a direct current from said waves, a cold cathode tube having a main gap and a control gap, a source of potential, biassing means including said source of potential for said control gap, a circuit including said rectifier and said biassing means for lighting said control gap at the commencement of the receipt of a pulse, a first control relay, a second control relay, a stepping relay, a circuit for said first control relay and said stepping relay including said main gap, means under the control of said first control relay for extinguishing said tube after a brief interval and for controlling said biassing means to change the bias of said control gap, means responsive to the cessation of a received pulse and including said biassing means for again closing a lighting circuit for said control gap, means responsive to the second lighting of said tube for energizing said second control relay, and means responsive to the actuation of said second control relay for again extinguishing said tube after a brief interval and for opening the circuit of said stepping relay.

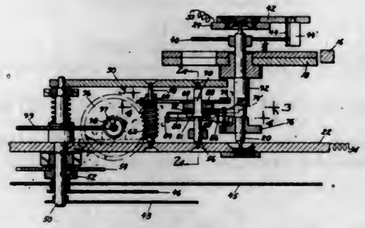
2,423,116
ELECTRIC RELAY
Osborne I. Price, Frederick, Md., assignor to Magnetic Devices, Inc., Frederick, Md., a corporation of Maryland
Application June 30, 1944, Serial No. 542,923
6 Claims. (Cl. 200—87)

1. A relay comprising a magnetic frame structure, a core member carried by said frame structure, an electromagnetic operating winding associated with said core member, a panel of insulation material extending transversely of said core member and confining said electromagnetic operating winding in position, said panel being recessed in one edge thereof, said core member having a flat disc-like head recessed into said panel and an armature member having a portion extending in overlapping relation to said magnetic frame structure and a portion substantially conforming in contour with said flat disc-like head



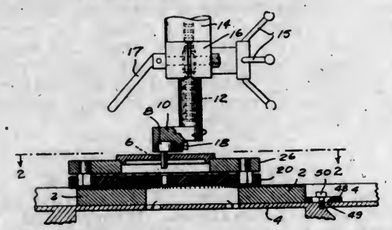
with a portion of reduced section interconnecting the aforesaid portions, a pair of projecting lugs adjacent opposite edges of said frame structure, the portion of said armature of reduced section extending between said lugs and a spring member secured to said frame structure and to said armature member and carrying contacts adjacent the end thereof and sets of fixed contacts transversely supported on each side of the recessed edge of said panel and coacting with the contacts carried by said spring member.

2,423,117
ELECTRIC CLOCK MECHANISM
Arthur Quebatte, Boulogne-sur-Seine, and Edouard Seignol, Paris, France; vested in the Attorney General of the United States
Application April 2, 1942, Serial No. 437,434
In France August 11, 1937
3 Claims. (Cl. 58—28)



1. In a clock mechanism, an electro-magnet, a balance wheel oscillatably mounted between the poles of said magnet, a pin operatively associated with said balance wheel and swingable back and forth in timed relation to the oscillations of the balance wheel, a body mounted for rocking movement about an axis parallel to but spaced from the axis of the balance wheel and substantially between the latter and the axis of the escapement wheel, said body including a pair of plates extending radially to the axis thereof and offset in parallel planes from one another, one plate shaped with a pair of arms extending toward and adapted to partially embrace an escapement wheel and capable of alternately engaging such wheel and causing it to rotate intermittently as the body rocks on its mounting, the second plate being formed of electrically insulating material and shaped with a pair of arms extending toward and partially embracing said pin and so disposed with respect to the pin that the pin in its swinging movement alternately strikes the inside of the arms and causes said body to rock on its mounting, said body also including a third plate formed of electrically conductive flexible metal material and disposed on the side of said second plate opposite to the first described plate, said third plate shaped so as to form two parallel flexible strips of metal integrally connected at one end to the main body portion of their plate on one side thereof and bent with respect thereto so as to lie in planes parallel to one another but perpendicular to the plane of their plate, said flexible strips extending past opposite sides of the axis of said body toward the axis of the balance wheel and having their free ends closer together than the pin engaging arms of said second plate and operlapping upon the path of swinging movement of the pin so that the latter alternately strikes the flexible strips in advance of striking the arms of said second plate, said flexible strips and the pin forming part of the circuit to the electro-magnet and functioning to open and close the circuit in timed relation to the oscillations of the balance wheel.

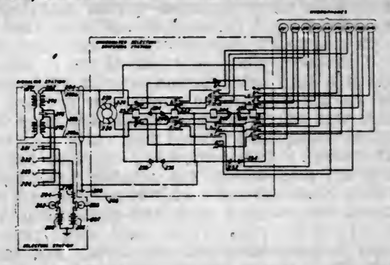
2,423,118
LAPPING MACHINE
Marcus Ramsay, New York, N. Y., assignor of 40 per cent to Eric G. Ramsay and 20 per cent to H. Dorsey Spencer, both of New York, N. Y.
Application February 5, 1946, Serial No. 645,644
16 Claims. (Cl. 51—161)



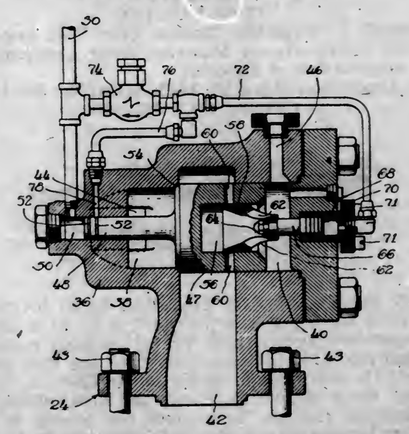
1. In a lapping machine of the class described, the combination with opposed lapping members movable relatively to each other both vertically and horizontally, of a work holder having an article-receiving opening therein to receive and loosely confine an article the opposite faces of which are to be lapped, one of said lapping members having a lapping surface of an area sufficient to remain in lapping engagement with one face of an article in the work holder throughout the relative travel of said work holder and said lapping member during the lapping operation and the other lapping member being shaped and arranged to enter the article-receiving opening in said work holder and to bear upon the opposite face of the article to be lapped, whereby said work holder and said last mentioned lapping member move together throughout lapping travel of the work holder and the first mentioned lapping member.

2,423,119
HYDROPHONE SELECTING SYSTEM
John B. Retallack, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1943, Serial No. 509,448
3 Claims. (Cl. 177—353)

2. In a hydrophone station selecting system, a land signaling station, an underwater central switching station, a single submarine cable having two metallic conductors only and an impervious metallic sheath interconnecting said stations, said sheath connected to ground at said land station, no more than four relays at said central station, all of said relays neutral relays, a winding and contacts on each of said relays, said contacts arranged in a modified fan circuit, nine individual two conductor paths establishable through said fan circuit, nine selectable hydrophones each connected individually through a two wire path to a corresponding one of said nine paths, a plurality of rectifiers at said central station, all of said windings and all of said rectifiers interconnected in a network, connections from said two metallic conductors to both said network and said contacts, grounded positive and negative battery at said land station, means at said land station for impressing permutated conditions of said grounded positive and negative battery on said two metallic conductors, through said network and through said sheath to said ground connected to said sheath, and means, responsive to said impressing of said conditions, for selectively extending both of said two metallic conductors simultaneously through any particular one of said nine paths and its connected two wire path to its connected hydrophone.



2,423,120
VALVE ARRANGEMENT
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 30, 1943, Serial No. 516,207
10 Claims. (Cl. 121—46.5)



7. In a prefill valve, a body comprising spaced chambers and an intermediate outlet passage, an inlet opening communicating with each chamber,

a stem having an end of relatively large diameter slidably fitted within one of said chambers and an end of relatively small diameter, said last-mentioned end being of less diameter than that of the other chamber and extending therethrough for reception within a complementary cylinder associated with said body, an inlet for said cylinder, a seat on said stem intermediate its ends for cooperation with a complementary seat portion on said body at the inner extremity of said other chamber for closing the same, a chamber formed in the large end of said stem, ports through said large end communicating with said last-mentioned chamber, said ports being so formed and arranged as to be disposed within said passage when said seat is in engagement with said seat portion and to be disposed within said first-mentioned chamber when said seat is out of engagement with said seat portion, a ring valve reciprocal within said stem chamber for opening and closing said ports, ports through said ring valve, a spindle connected to said ring valve and reciprocal within a complementary opening through said body, and means for moving said spindle and ring valve inwardly with respect to said stem chamber for closing said first-mentioned ports when the fluid pressure in said stem chamber reaches a predetermined low level, said means comprising a spring bearing against said spindle.

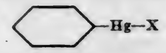
2,423,121

REACTION PRODUCT OF PHENYL MERCURY SALTS WITH HYDROXY ALKYL AMINO COMPOUNDS AND THEIR PREPARATION

Frank J. Sowa, Cranford, N. J.

No Drawing. Application May 16, 1942, Serial No. 443,304
4 Claims. (Cl. 260—433)

1. A product resulting from reaction between a water-soluble phenyl mercury compound of the type



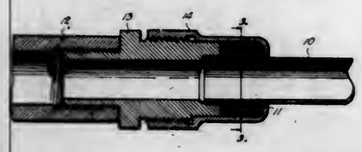
wherein X is an anion of an acid, and a hydroxy alkyl nitrogen compound selected from the group consisting of alkylol amines and alkylolureas.

2,423,122

TUBE FITTING

Joseph F. Stephens, Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company, a corporation of Missouri

Application April 19, 1945, Serial No. 589,151
1 Claim. (Cl. 285—90)



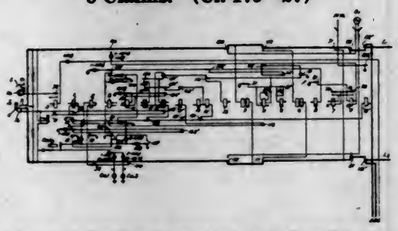
A flexible joint for plain end tubes including a tube end at which the joint is to be made, a connecting and sealing ring of resilient material fixedly bonded to the periphery of the tube adjacent its end without distortion of the tube wall, said bond providing means for distributing vibrational stresses throughout the length of the ring, interengaging elements adapted to be assembled upon the tube end, surrounding and compressing the flexible ring to form a pressure-tight joint.

2,423,123

INTERURBAN TELEPHONE SYSTEM

Claudius F. Stewart and Gabriel J. M. Penet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application September 27, 1943, Serial No. 504,084
In France June 13, 1939
8 Claims. (Cl. 179—27)



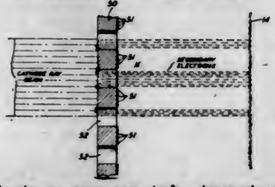
1. In a telephone system, a plurality of exchanges, toll trunk lines interconnecting the exchanges, subscribers' lines terminating at each exchange, switches at each exchange for connecting with called subscribers thereat, toll operators' positions at said exchanges, outgoing and incoming equipment and sources of alternating current of a predetermined frequency at each exchange, means at a calling and a called exchange for connecting said equipments with a trunk, means in the outgoing equipment of the calling exchange and controlled by the outgoing operator for transmitting relatively long alternating current impulses from the calling exchange to operate and to release the incoming equipment at the called exchange, and means in the incoming equipment at the called exchange for transmitting relatively short alternating current impulses to control the outgoing equipment at the calling exchange.

2,423,124

ELECTRO-OPTICAL DEVICE

Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 30, 1943, Serial No. 474,205
8 Claims. (Cl. 250—167)



1. An electron camera tube target comprising a metal base member, and a multiplicity of relatively small photo-E. M. F. cells on said member, each of said cells comprising silicon and an oxide of silicon.

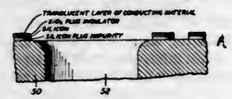
2,423,125

PHOTOELECTROMOTIVE FORCE CELL OF THE SILICON-SILICON OXIDE TYPE AND METHOD OF MAKING THE SAME

Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application January 30, 1943, Serial No. 474,205. Divided and this application May 16, 1944, Serial No. 535,798
8 Claims. (Cl. 136—89)

1. A photo-E. M. F. cell comprising a metal base, a coating comprising a mixture of silicon and a metal of higher conductivity than silicon on said base, a layer of silicon on said coating, a



layer of quartz mixed with a metallic material on said silicon layer, and a metallic member in contact with said last mentioned layer.

2,423,126

ELECTROMAGNETIC RELAY

Clement M. Theillaumas, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 24, 1943, Serial No. 480,414
In France April 7, 1941
5 Claims. (Cl. 175—339)



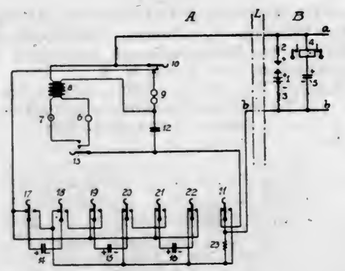
1. Polarized relay device including a core, an energizing coil for magnetizing said core, an unmagnetized armature lying on one side of said core so as to be attracted thereby when said coil is excited, and a permanent magnet mechanically coupled to said armature so as to move and be moved simultaneously therewith and lying on the other side of said core from the side upon which said armature lies, whereby the polarity excited in said core by said energizing coil determines the respective attraction or repulsion of said magnet and thereby determines the position assumed by said armature in response to a predetermined direction of current in said energizing coil.

2,423,127

SUBSCRIBER'S STATION FOR TELEPHONE SYSTEMS

Clement M. Theillaumas, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 24, 1943, Serial No. 480,415
In France October 15, 1941
10 Claims. (Cl. 179—81)



1. A telephone system comprising an exchange, a subscriber's station, line wires connecting the exchange with the subscriber's station, a supply battery connected across the line wires at the exchange, circuits at the subscriber's station including an operator's supervision loop, and a transmitter microphone inserted in said supervision loop, so as to be supplied with current from said supply battery when said supervision loop is closed.

2,423,128

GLASS COMPOSITION AND METHOD OF MAKING SAME

Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

No Drawing. Application December 11, 1943, Serial No. 513,954
2 Claims. (Cl. 106—54)

1. A glass resulting from the fusing together of

	Parts by weight
P_2O_5 (phosphorous pentoxide) Approximately	70
SiO_2 (silica) Approximately	5
Al_2O_3 (alumina) Approximately	13
B_2O_3 (boric oxide) Approximately	5
CaO (calcium oxide) Approximately	7

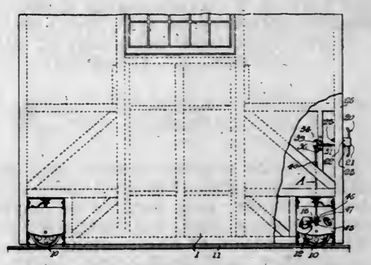
and containing a suitable reducing agent.

2,423,129

CHECKING DEVICE FOR ROLLER SUPPORTED DOORS

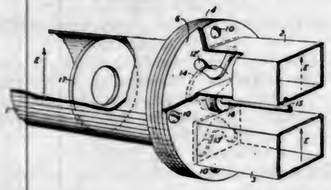
Herrmann B. Tobias, Washington, D. C.

Application July 27, 1944, Serial No. 546,899
5 Claims. (Cl. 188—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A checking device for a hangar door having rollers mounted on the bottom thereof and engaging a track, said checking device comprising a brake including a pedal for controlling the actuation of the rollers on said track, an inwardly and outwardly oscillatable push and pull handle and linkage mechanism including a U-shaped strap pivotally connected at an upper part thereof to an edge of the door, a pivotally connected bell-crank lever, a link rod provided with an adjustable coupling and pivotally connecting one arm of the bell-crank lever to a lower part of the strap, a link rod bracket pivotally connected to the other end of the bell-crank lever, and a link rod pivotally connecting said bracket to said pedal, said handle fixedly mounted on said strap and adapted to actuate said strap about its pivotal connection with said door for applying said brake through said first-mentioned link rod, bell-crank lever, bracket and said second-mentioned link rod to retard or arrest the motion of the door by the pulling or pushing on said handle.

2,423,130
SWITCHING DEVICE IN WAVE GUIDE TRANSMISSION SYSTEM
Warren A. Tyrrell, Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 25, 1944, Serial No. 528,118
15 Claims. (Cl. 178—44)



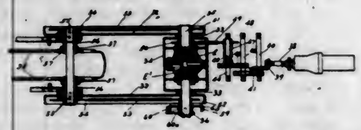
1. A switch for controlling the transmission of wave energy of a given frequency between wave guide line sections in a wave guide transmission system comprising coupling means between said wave guide line sections, including at least one resonant coupling iris normally tuned to said given frequency, so as to efficiently transmit wave energy of that frequency between the coupled wave guide sections and means mechanically displaceable transversely to said iris for detuning said resonant iris to reduce the transmission of wave energy of said given frequency between said coupled wave guide sections.

2,423,131
SELECTOR SWITCH FOR TELECOMMUNICATION SYSTEMS
Frans Van Laethem, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1943, Serial No. 475,686
In the Netherlands September 12, 1941
5 Claims. (Cl. 179—27.51)



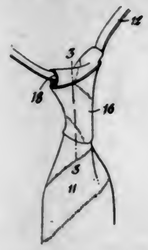
1. A shaft for selector switches and the like, comprising a plurality of unitary molded sections, means for holding said sections in longitudinal relation to one-another, and means for preventing relative rotation of said sections with respect to one-another, said shaft being provided with grooves, which are at different cross-sections of each section angularly spaced relative to one-another, whereby the grooves of each section cooperate with the grooves of an adjacent section so as to give substantially the effect of a continuously grooved shaft.

2,423,132
WHEEL TRENCHING MACHINE
George A. Vaughn, Newton, Iowa, assignor to The Parsons Company, Newton, Iowa, a corporation
Application July 23, 1943, Serial No. 495,874
2 Claims. (Cl. 37—97)



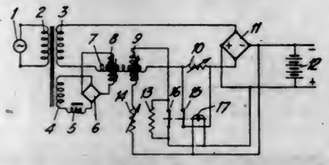
1. In a trench excavating machine, in combination, a portable body, traction supporting means therefor, a motor carried by the body, an excavating wheel unit adjacent the body including an excavating wheel, a supporting frame on which said wheel unit is rotatively mounted, means on the portable body connected to the said frame for raising and lowering the same and the wheel unit thereon, and driving means separate from the raising and lowering means and operated from the motor connected to the excavating wheel for operating the latter, said driving means including a differential gear unit comprising differential gear connected shafts, and separate driving connections from the gear shafts to opposite sides of the excavating wheel, said driving means including arms pivotally connected to the body and pivotally connected at their outer ends to the wheel supporting frame and arranged to support parts of the driving connections, said separate driving connections including a two part shaft member that connects the arms to the wheel supporting frame, one part of the shaft member connected directly to one of the differential gear connected shafts, and the other part of said shaft having a slip clutch connection to the other of the differential gear connected shafts.

2,423,133
NECKTIE
Fred Wagner, Buffalo, N. Y.
Application October 9, 1943, Serial No. 505,657
2 Claims. (Cl. 2—150)



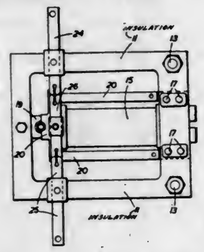
2. A necktie of the four-in-hand type having on that portion thereof intermediate its ends, and on the exposed front length thereof, a transverse loop-like strip simulating the customary tie-loop and defining the upper and lower edges of the tie-knot said strip being made of the same material as the tie and extending about the side edges of the exposed length of the tie and secured only at its free ends to the rear side thereof.

2,423,134
ACCUMULATOR CHARGING SYSTEM
Gunnar Winkler, Appelviken, Stockholm, Sweden, assignor to International Standard Electric Corporation, New York, N. Y.
Application December 6, 1944, Serial No. 566,890
In Sweden December 8, 1943
6 Claims. (Cl. 320—39)



1. A system for charging a storage battery from alternating current comprising a source of alternating current, a rectifier having its input terminals connected in circuit with said source, a reactance coil and a resistance connected in series with said source, the output terminals of the rectifier being connected to the battery terminals, a pair of exciting windings on said reactance coil with separate means for passing direct current through each winding and automatic means controlled by the voltage of the battery for varying the direct current through one of the exciting windings.

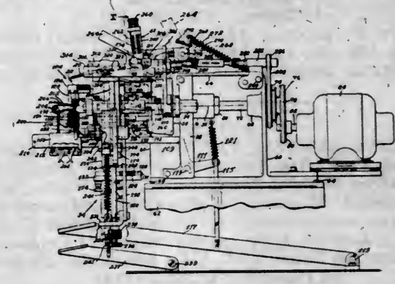
2,423,135
ELECTROMAGNETIC RELAY
William Henry Drury Yule, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1943, Serial No. 509,214
In Great Britain December 31, 1942
12 Claims. (Cl. 200—87)



1. An electromagnetic relay comprising a frame of insulating material defining a hollow space, an electromagnetic coil supported in spaced relation to said frame with its axis extending across said hollow space defined by said frame, an armature supported in operative relation to said electromagnetic coil and in spaced relation to said frame, a pair of contact members supported on opposite sides of said frame across said hollow space with their contact surfaces positioned inwardly of said hollow space in spaced relation to said frame and in spaced relation to each other, said contact members also being supported in spaced relation to said coil and its armature, whereby a low capacitance is maintained between said contact members themselves and between said contact members on the one hand and said coil and its armature on the other hand, and a bridging contact member carried by said armature in spaced relation thereto and positioned so as to bridge the gap between said spaced contact surfaces of said pair of contact members and to make and break contact therewith upon repeated operation of said armature by said electromagnetic coil.

2,423,136
HEEL SEAT FITTING MACHINE
John W. Ashley, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 23, 1945, Serial No. 630,259
44 Claims. (Cl. 12—31.5)

25. A heel seat fitting machine having, in combination, a support for a shoe, a knife having a cutting edge curved about an axis extending generally lengthwise of the shoe upon the support, a matrix which is curved about said axis and has an opening, a presser member for forcing the heel-seat portion of an outsole of the shoe upon the support against the matrix to flex the heel-seat portion of said outsole to a shape determined by said matrix, means for effecting relative translatory movement of the knife and the presser member on the one hand and the support and the matrix on the other hand to slice a horseshoe-shaped chip of surplus material from the periphery of the heel-seat portion of the outsole, a

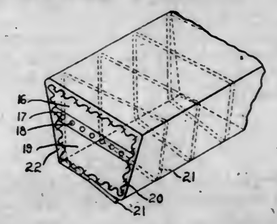


cutter movable transversely of the outsole along the cutting edge of the knife, and means for swinging the support together with the shoe mounted on it as the cutter is moved transversely of said outsole to form on the outsole heel breast receiving shoulders and to remove said horseshoe-shaped chip from the outsole.

2,423,137
CLEANING AND PRESERVING COMPOSITION
Glenn P. Beach, Oakland, Calif.
No Drawing. Application August 24, 1944, Serial No. 551,058
2 Claims. (Cl. 106—8)

1. A cleaning and preserving composition adapted to be dispersed in water, the organic constituents of which comprise about 40–55% by weight of wax, a major portion of which is a non-glyceryl ester wax having a minimum melting point of about 70–75° C. and a minor portion of which is an ester wax having a minimum melting point of about 60° C., a drying oil in amount about 20–50% of the total weight of the wax, and about 18–22% by weight of water soluble fixed alkali, which alkali substantially entirely has combined with fatty acids derived from wax and from the drying oil.

2,423,138
WIRE COVERED BELT
Melvin A. Crosby, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 8, 1943, Serial No. 478,431
10 Claims. (Cl. 74—233)

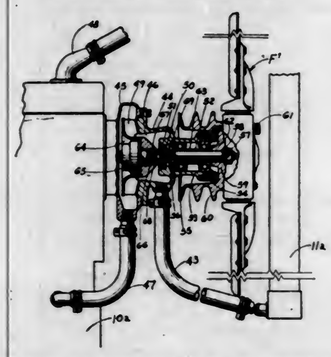


1. As a new article of manufacture, a belt comprising tension, neutral axis and compression sections, a woven fabric breaker strip surrounding these sections, and at least one strand of wire wrapped thereover.

2,423,139
CHLORINATED FURANE RESIN
John Delmonte, Glendale, Calif., assignor of one-tenth to E. F. Lougee, and sixty-five one-hundredths to Ralph Hemphill, both of Los Angeles, Calif.
No Drawing. Application August 31, 1944, Serial No. 552,213
4 Claims. (Cl. 260—67)

1. In the process of making chlorinated furane resins, the step of adding chlorine to a furfural-containing liquid in the presence of caustic alkali.

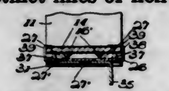
2,423,140
COOLING SYSTEM, THERMOSTAT CONTROL
Samuel C. Earley, Norman B. Earley, Elmore J. Sanders, Willard C. Skareen, Ray L. Davies, and Joseph A. Hughes, Toledo, Ohio, assignors, by mesne assignments, to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application February 7, 1945, Serial No. 576,626
12 Claims. (Cl. 123—178)



3. In a cooling system for an internal combustion engine, the combination of a liquid cooling jacket for the engine, a liquid cooling radiator at one end of the engine, duct means between the upper and lower portions of the radiator and cooling jacket respectively, means providing a housing intermediate the engine and radiator and communicating with the duct means leading from the lower portion of the radiator to the lower portion of the cooling jacket, a variable pitch fan blade assembly between said housing and radiator, a sheave fixed to said assembly for rotation therewith, a tubular extension rigid with said housing, and means within said extension providing a bearing support for said sheave and fan assembly, a pump impeller within said housing, an operative connection between said impeller and said sheave thereby to impart rotation to said impeller, a thermostat housed within said pump impeller, and an operative connection between said thermostat and said variable pitch fan blade assembly for operating the latter in response to temperature changes of the cooling liquid passing through said housing.

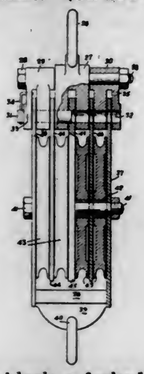
2,423,141
GUN SIGHT
Clyde B. Ferrel, San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev., a corporation of Nevada
Application May 28, 1943, Serial No. 488,910
17 Claims. (Cl. 250—71)

1. A gun sight having embodied therewith self-luminous characteristics consisting of spaced self-luminous means of material length having sharply defined edges and arranged to emit two separate and distinct lines of non-diffusing light



separated by a clear and distinct blank space of demarcation between said lines of light.

2,423,142
SNATCH BLOCK
Albert G. Frankhouser, Lima, Ohio, assignor to The H. G. Shook Company, Lima, Ohio, a corporation of Ohio
Application April 3, 1944, Serial No. 529,328
9 Claims. (Cl. 254—193)



3. In a sheave block, a forked hanger, a pair of clevises coaxially pivoted on respective opposite sides of said hanger, a frame having end plates each having a portion embraced by the respective clevises, a spacer plate between the forks of said hanger, a plurality of pulleys, pivot means for said pulleys passing through all said plates, each pulley being between a respective end plate and said center plate, there being aligned holes in said hanger, plates and clevises, a pivot pin passing through said holes in one clevis, one end plate, one fork of said hanger, and into said spacer plate, and a second pin passing through said holes in the other clevis, end plate, fork of said hanger and into said spacer plate.

2,423,143
MANUFACTURE OF ORNAMENTED RUBBER ARTICLES
Emil Gottschalk, New York, N. Y.
Application November 23, 1944, Serial No. 564,876
1 Claim. (Cl. 18—58)



Method for the manufacture of ornamented rubber shoes comprising impregnating a liquid absorbent thread made of a textile material with a liquid latex compound, forming from the impregnated thread on a mold the contours of the ornaments to appear on the shoe and simultaneously securing the thus produced ornament upon the mold by the adhesive action of said rubber compound, dipping the mold into liquid latex, forming the shoe on the mold and uniting the thus formed shoe and the ornament by vulcanization.

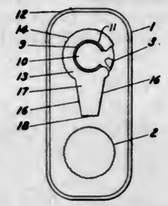
2,423,144
EMULSIFIABLE HYDROCARBON OILS AND EMULSIONS THEREOF
George W. Gregg, South Bend, Ind., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 7, 1944, Serial No. 557,722
15 Claims. (Cl. 252—49.5)

15. An emulsifiable oil comprising a major proportion of a hydrocarbon oil having dissolved therein an organic oil-in-water emulsifier and an alkali metal polyorthophospate having the general formula

$$Na_nP_{n-2}O_{3n-5}$$

wherein n is an integer greater than 5 and in an amount sufficient to stabilize an oil-in-water emulsion of said emulsifiable oil.

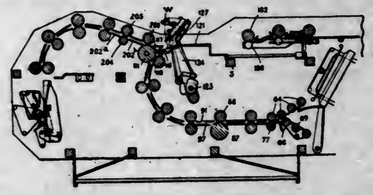
2,423,145
CAP REMOVING SOCKET WRENCH
Herman J. Halm, Toledo, Ohio
Application August 5, 1944, Serial No. 548,227
1 Claim. (Cl. 81—3.34)



A channel-shaped sheet metal socket wrench comprising an integrally formed handle and socket head, said head being cylindrical and having an apertured flat base and a continuous reinforcing flange extending upwardly at the aperture of said base, said flat base extending downwardly at an acute angle longitudinally of the wrench to form said handle, a work engaging flange of more than 180° extending downwardly from the periphery of the head and the side edges of the handle, said last named flange being internally knurled at the wrench head and having its edge lying in a common plane intersecting the handle end.

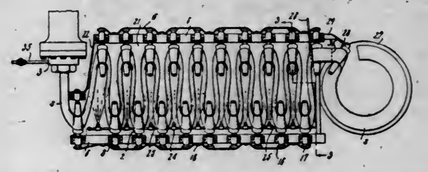
2,423,146
MACHINE FOR FILLING AND OTHERWISE PREPARING ENVELOPES FOR POST
Stanley Charles Herbert, Nunhead, London S. E. 15, England
Original application April 25, 1939, Serial No. 269,923. Divided and this application December 15, 1942, Serial No. 469,129
14 Claims. (Cl. 93—6)

1. Apparatus for charging envelopes with postal matter and preparing them for despatch, comprising a filling table, feed mechanism adapted to feed towards the filling table the envelopes with the flaps extended foremost, feed mechanism adapted to feed the postal matter towards the filling table, having the filling table spaced from the postal matter feed mechanism, a table-like element of a form and area to support the flap of the envelope and pivoted about an axis transverse to and spaced from the filling table, whereby the table-like element is adapted for movement from the envelope-receiving position in juxtaposition to the envelope feed mechanism and at the outer side of the filling table to a position in which it is aligned with the filling table in the space between the filling table and the postal matter feed mechanism, envelope flap gripper elements supported upon and cooperating



with the table-like element and means for opening and closing the gripper elements when the table-like element is in the receiving position near to the envelope feed mechanism.

2,423,147
METHOD AND APPARATUS FOR MANUFACTURING INNER TUBES
Dorr J. Hinman, Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1944, Serial No. 567,382
11 Claims. (Cl. 18—2)



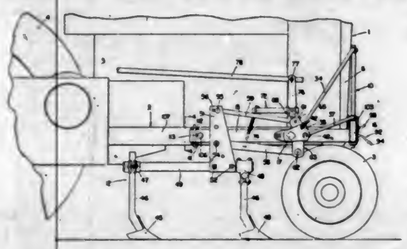
1. The method of manufacturing inner tubes comprising the steps, extruding inner tube stock in the form of a continuous tubular length, conveying the length of extruded stock in an approximate serpentine formation so as to maintain the tube in the form of an arcuate curve by suspending it in draped loops from successive points disposed at opposite sides of a vertical plane and advancing the tube past said points, and cutting the stock in unit lengths to form a completed annulus substantially free of stresses at the rim and tread region of the tube upon inflation sufficient to form a torus.

9. An apparatus for manufacturing inner tubes comprising, a tuber for extruding inner tube stock, and means associated with the tuber for supporting and conveying the tuber stock while maintaining the stock in an arcuate and somewhat serpentine formation, including stock supporting tapered rollers disposed in rows on opposite sides of a central vertical plane, and means for driving these rolls to advance the stock back and forth across said plane in draped loops between the rollers.

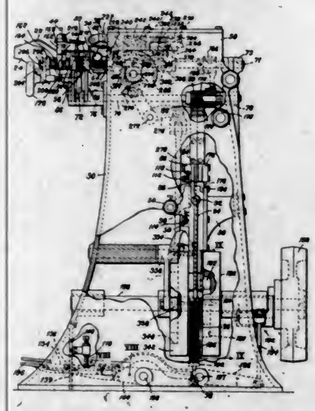
2,423,148
QUICK DEMOUNTABLE CULTIVATOR
Theodore W. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 6, 1944, Serial No. 562,155
25 Claims. (Cl. 97—47)

1. A tractor-propelled implement comprising a pair of spaced apart frame sections adapted to receive a tractor therebetween, a central attaching member connected at its ends to said frame

sections, means on the front of a tractor to receive said attaching member, detachable means for fixing the rear portions of said frame sections to the tractor whereby said sections may be supported on said tractor, and an implement receiving part fixed rigidly to each of said frame sections and extending generally laterally outwardly therefrom.



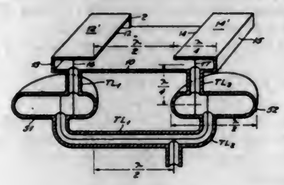
2,423,149
HEEL SEAT FITTING MACHINE
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 12, 1945, Serial No. 615,829
20 Claims. (Cl. 12—31.5)



1. In a heel seat fitting machine, a fixed back gage, crease plates constructed and arranged to enter the rand crease of a shoe, means comprising cutters constructed and arranged to form heel breast receiving shoulders on the outsole of the shoe and initially adjustable into different operative positions lengthwise of the shoe, a heel seat reducing knife mounted for trimming movement lengthwise of the shoe, and means for varying the amount of trimming movement of said knife in accordance with the setting of said shoulder forming means lengthwise of the shoe.

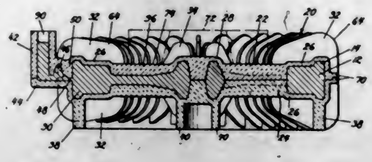
2,423,150
LOBE SWITCHING ANTENNA
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 10, 1943, Serial No. 513,691
31 Claims. (Cl. 250—11)

1. A surface current antenna including a plane conductive sheet having hollow conductive moulds along a pair of opposite edges and means for coupling a transducer to said antenna including



conductor means crossing the space within said mouldings.

2,423,151
TEMPERATURE CONTROL MOLD FOR CASTING
Raymond J. Miller, Detroit, Mich., assignor, by direct and mesne assignments, to Miller Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application August 24, 1942, Serial No. 455,862
8 Claims. (Cl. 22—113)

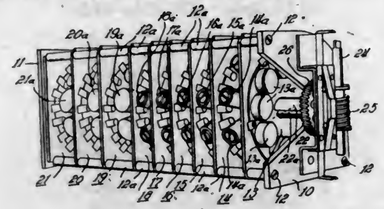


1. A mold forming member for a temperature control mold comprising a contour forming member, a shell having a female impression for shaping the external surface of the mold, a cover plate for the shell, a removable locking flange having a surface so located as to cooperate with the shell and cover plate in providing back draft on the temperature control mold to lock the mold to the contour forming member and to release the mold upon lateral movement of the locking flange relative to the shell.

3. The method of forming a non-permanent mold formed of low heat conducting material comprising superimposing on a pattern a mold contour former having sections of varying contour separated from the pattern by a space substantially in inverse proportion to the volume of sections of varying contour of the casting to be formed, the mold contour former having spaced vent passages communicating with atmosphere at the top of the space between the pattern and the former, filling said space with a low heat conducting mold forming substance in a semi-plastic condition, separating the mold contour former and mold from the pattern, introducing a fluid through said vent passages to separate the mold from the contour former, and thereafter drying the mold.

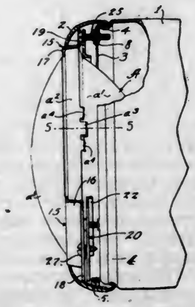
4. A non-permanent mold having cope and drag sections formed of low heat conducting material, each of said sections being contoured substantially in inverse proportion to variations of cross-sectional area of the casting to be formed to influence the rate of heat dissipation from a casting formed in the mold, metallic flanges carried by each of said mold sections, and locating inserts in said flanges.

2,423,152
ROTARY TURRET SELECTOR
Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 22, 1944, Serial No. 564,676
4 Claims. (Cl. 171—119)



1. A rotary turret element for selectively connecting any one of a plurality of electrical impedance elements of like type but different constants in an electric circuit comprising, an outer plate having a substantially circular aperture therein, a substantially circular inner plate disposed in said aperture, one of said plates having a plurality of said impedance elements distributed angularly thereon, one of said plates being appreciably thicker than the other and said inner plate having a diameter appreciably less than that of said aperture to provide a substantial clearance therebetween, radially extending means disposed about the adjoining periphery of said one of said plates and extending over opposite faces of the other of said plates to retain said inner plate loosely within said aperture, means for relatively rotating said inner and outer plates, and fixed and movable contact means including a pair of fixed terminals and effective upon relative rotation of said plates selectively to connect said impedance elements to said terminals.

2,423,153
HEADLIGHT ADAPTER
David M. Morgenstern, Cleveland, Ohio
Application February 9, 1945, Serial No. 576,937
1 Claim. (Cl. 240—41.5)



An adapter for attaching a lamp unit of the type described to an open front headlight casing having a flange surrounding its forward end and which flange is in a plane substantially normal to the axis of the casing and is provided with voids spaced apart circumferentially thereof, and said lamp unit being characterized by a circumferential bead and a locating lug extending rearwardly from said bead, the casing being constructed to engage with larger lighting means than the aforesaid lamp unit and having a cover ring for enclosing said flange; the adapter comprising a retainer ring having a substantially cylindrical wall, a front flange extending inwardly from the forward end of said wall and a rear flange extending outwardly from the opposite end thereof, the front flange of the retainer ring being in the frontal plane of the headlight casing when completely assembled and being adapted to bridge the gap between the cover ring and the lamp unit, an adapter ring arranged rearwardly of the retainer ring with its inner edge portion in opposed relation to said front flange, the adapter ring and the rear flange of the retainer ring having aligned holes corresponding in number and spacing with the voids in the flange of the casing, headed bolts projected rearwardly through the holes in the adapter ring and having their heads disposed between said ring and the rear flange of the retainer ring and exposed through the holes in said flange for the application of a tool to said heads, the rear flange of the retainer ring and the adapter ring having other sets of aligned holes, screws extending freely through the last mentioned holes of the rear flange of the retainer ring and threadedly engaged through the corresponding holes in the adapter ring, the lamp unit being adapted to be arranged with its circumferential bead clamped between the front flange of the retainer ring and the opposed portion of the adapter ring, the latter ring having a recess for the reception of the locating lug of the lamp unit, and U-shaped metal clips secured to the aforesaid flange of the casing over the voids therein and in which the rear end portions of the aforesaid bolts are threadedly engaged.

2,423,154
ADMIX FOR DRILLING MUD
Jolly W. O'Brien, Houston, Tex.
No Drawing. Application January 11, 1946, Serial No. 640,682
7 Claims. (Cl. 252—8.5)

1. A mud laden drilling fluid containing a major proportion of clay, and water and a portion sufficient to substantially reduce the viscosity of the mud of the product formed by heat treating monosodium hydrogen orthophosphate anhydrous for a period of time in excess of one hour and not over five hours at a temperature between 120° C. and 200° C.

2,423,155
PRESSURE RESTRICTING DEVICE
Philip H. Phillips, Farmington, Conn.
Application November 11, 1943, Serial No. 509,883
3 Claims. (Cl. 138—40)



1. A pressure restrictor comprising a plurality of tubular members telescoped one within the other, the outer peripheral surface of each tubular member within the outer one being provided with longitudinally extending parallel grooves with V-shaped ribs therebetween, the outer edges of said ribs being in close engagement with the inner peripheral surface of the next larger member so as to provide a plurality of generally triangular-

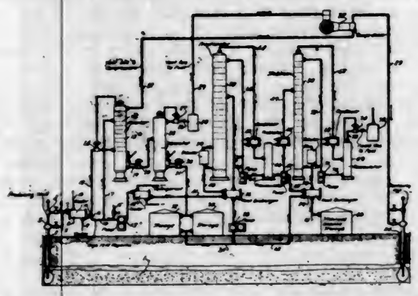
shaped parallel channels open at their opposite ends, said channels being identical to one another and having the same hydraulic radius between the limits of .0015 and .05 inch.

2,423,156

METHOD OF RECOVERING DESIRABLE PETROLEUM HYDROCARBON FRACTIONS AT SUBSTANTIALLY WELLHEAD PRESSURE

Laurance S. Reid, Oklahoma City, Okla.

Application March 6, 1939, Serial No. 259,986
7 Claims. (Cl. 62—175.5)



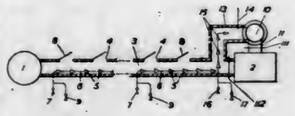
1. The method of recovering desirable liquefiable constituents from distillate well gas initially at a pressure at least as high as a pressure within the retrograde condensation range of said constituents which comprises, expanding the gas to a pressure within the retrograde condensation range of said constituents, separating the resulting condensed constituents from the uncondensed gas, fractionating said condensed constituents into a relatively low boiling gasoline fraction and a relatively heavy liquid fraction, and contacting the expanding gas with at least a portion of said relatively heavy liquid fraction and thereby raising the normal condensation pressure of said constituents.

2,423,157

METHOD OF CLEANING FLUES OR THE LIKE WHICH CONDUCT PRODUCER GAS

August Reiss, London, England

Application November 5, 1942, Serial No. 464,692
In Great Britain November 17, 1941
7 Claims. (Cl. 110—1)



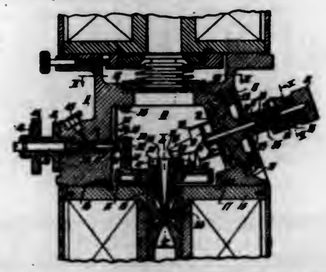
1. A method for removing a deposit of combustible and non-combustible impurities from a flue having an outlet, comprising the steps of admitting a medium containing oxygen which is available for combustion to the flue, stirring up and loosening the deposit of impurities by forcing a gaseous fluid through the space occupied by said deposit, causing a mixing of said gaseous fluid with said oxygen containing medium, burning within the flue the combustible impurities in the presence of said oxygen containing mixture thus obtained and converting said combustible impurities into ash, and blowing said ash and the non-combustible impurities out of the flue by forcing the gaseous fluid toward the outlet in the flue.

2,423,158

SPECIMEN CHAMBER FOR ELECTRON MICROSCOPES

Frank E. Range, Haddon Heights, and Perry C. Smith, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 19, 1944, Serial No. 531,748
10 Claims. (Cl. 250—49.5)



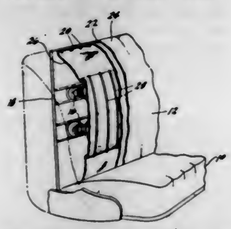
1. In an electron miscroscope, a member forming a specimen chamber and a portion of an evacuated column, a stage in said chamber for supporting a specimen holder, means to mount said stage for movement transversely of said column, a plurality of upstanding posts carried by said stage, biasing springs attached to said member and respectively juxtaposed to said posts for reaction thereby, two rods extending from the exterior of said member for respectively actuating two of said springs, and means exterior of said member for linear operation of said rods, whereby said stage is adjustable in two directions and vibration thereof prevented.

2,423,159

SPRING COVER

Newton E. Shockey, Detroit, Mich., assignor to Van Dresser Specialty Corporation, Van Dyke, Mich., a corporation of Michigan

Application December 17, 1945, Serial No. 635,537
6 Claims. (Cl. 155—181)



3. An upholstery spring cover comprising a sheet of flexible material adapted to overlie an upholstery spring assembly, such sheet being folded upon itself along a line forming a fold extending lengthwise over one surface of the sheet, and a plurality of reinforcing stiffening members each having one of its ends bent over said fold, said stiffening members being disposed in spaced substantial parallelism and extending transversely across the sheet away from the fold.

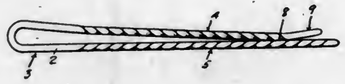
2,423,160

HAIRPIN

Fred W. Schrader, Priddy, Tex.

Application May 1, 1945, Serial No. 591,333
7 Claims. (Cl. 132—50)

7. A hair pin comprising a pair of spring wires in side by side relationship, said pair being doubled on itself to provide a pair of opposed legs, the pair of wires of each leg being twisted to secure the wires together and to provide oppositely opening grooves on said legs extending transversely of the lengths of said legs and diagonally of said lengths, said wires being partially flattened on the opposed sides of said legs,



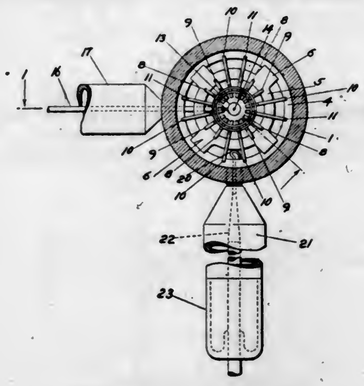
and the wires of one leg being twisted in a direction opposite to the wires of the other leg, whereby the grooves on said opposed sides are generally parallel, one of said legs being shorter than the other and extending away from said other leg for a portion of its length adjacent its free end, said wires of said portion being straight longitudinally of the leg and free from twisting.

2,423,161

ELECTRON DISCHARGE DEVICE OF THE PLURAL CAVITY RESONATOR TYPE

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 21, 1945, Serial No. 583,923
7 Claims. (Cl. 315—39)



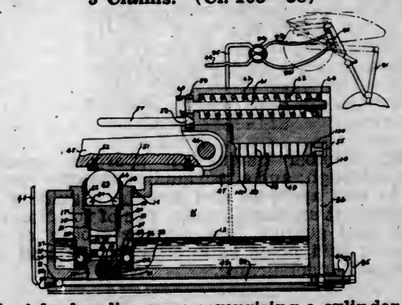
1. A magnetron comprising a tubular envelope enclosing a cathode, an anode structure including a plurality of anode arms having end faces equally spaced from and adapted to coact with said cathode, said arms being of different length and symmetrically disposed in pairs, with a pair of short arms intervening between successive pairs of long arms, each of said pairs of short arms defining a cavity resonator resonant at the same frequency as that of each of the other cavity resonators defined by the other pairs of short arms, each of said pairs of long arms defining a cavity resonator resonant at the same frequency as that of each of the other cavity resonators defined by the other pairs of long arms, and at a lower frequency than that of the cavity resonators defined by the short arms, and means coupled to said magnetron for leading out from said magnetron an output frequency intermediate the resonant frequencies of all of said cavity resonators.

2,423,162

VARIABLE STROKE HAND PUMP

Otto M. Summers, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, a corporation of Delaware

Application July 5, 1943, Serial No. 493,507
3 Claims. (Cl. 103—38)



1. A hydraulic pump comprising a cylinder and a piston reciprocable therein, a lever for reciprocating said piston and engaging the same intermediate the ends of the lever to form a fulcrum for said lever and to actuate the piston through the said fulcrum, a second reciprocable piston means, pivot means connecting one end of said lever to an end of said second piston means, the opposite end of said lever being free, and resting freely on said first-named piston, and being actuated to reciprocate said piston, means for supporting said one end of said lever adjacent to said pivot means and permitting free sliding movement of said lever whereby said piston last-named and said lever have a straight line movement with relation to each other as said lever slides on said piston first-named resilient means for holding said pivot means in a predetermined normal position to obtain a maximum spacing between said pivot means and the fulcrum of said lever means on said piston, and means for conducting fluid under pressure from the discharge side of the pump to said second piston means to actuate the same to overcome said resilient means and move said pivot means toward said piston to shorten the leverage between said pivot means and the fulcrum of said lever on said piston in response to the pressure increase of said pump to increase the stroke of said lever for maintaining the same stroke of said piston.

2,423,163

CONVERSION OF HYDROCARBONS

Charles L. Thomas, Western Springs, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 31, 1944, Serial No. 561,319
9 Claims. (Cl. 196—52)

1. A hydrocarbon conversion process which comprises subjecting said hydrocarbon to conversion in the presence of a catalyst comprising a mechanical mixture of a porous supporting material and sublimed molybdenum oxide.

2,423,164

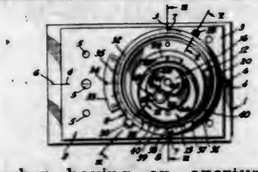
FIXTURE

William C. Williams, Santa Monica, Calif.

Application February 22, 1944, Serial No. 523,414
4 Claims. (Cl. 77—62)

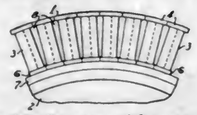
1. In a fixture, the combination of: a base member having an undersurface adapted to be placed in contact with a workpiece; an outer member mounted for rotation on said base member about an axis intersecting said undersurface,

said outer member having a hole extending therethrough at an angle to said axis of rotation such that the axis of said hole intersects said axis of rotation at the point of intersection of said axis of rotation with said undersurface; an inner member mounted for rotation in said hole, said



inner member having an aperture extended therethrough; and a tool guiding member mounted in said aperture and defining a guiding line disposed at an angle to said axis of rotation such that said guiding line intersects both of said axes at said point of intersection of said axes with said undersurface.

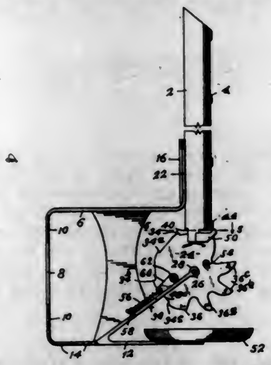
2,423,165
WELDED BLADE STRUCTURE
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Continuation of application Serial No. 401,726, July 10, 1941. This application July 12, 1945, Serial No. 604,594
5 Claims. (Cl. 253—77)



1. A turbine blade assembly comprising a turbine disk having a single surfaced periphery approximately equal in width to the base ends of the blades secured thereto, a plurality of blades each having oppositely facing fluid engaging surfaces terminating in a base portion abruptly enlarged to position and maintain the fluid engaging surfaces on adjacent blades in spaced passage forming relation and to present a single surface base end having an area materially greater than the area of the blade cross-section taken adjacent the base portion thereof, said base portion being spaced from the periphery of said disk in abutting row-forming relation with their single surfaced base ends presenting a substantially continuous plain surface disposed in opposed relation to the single surfaced periphery of said disk, and weld metal substantially filling the space between said substantially continuous surface and disk periphery and rigidly uniting substantially all of the area presented by the base end of each of said blades with a portion of equal area presented by the opposed single surfaced periphery of said disk.

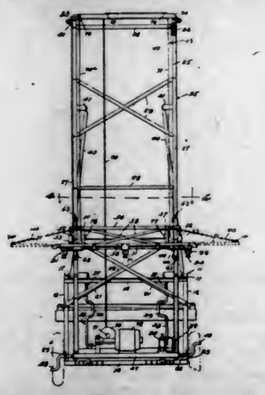
2,423,166
DISPENSING DEVICE
Emmett Arenson, Kansas City, Mo.
Application November 3, 1943, Serial No. 509,000
10 Claims. (Cl. 133—5)

10. In a dispensing device, a magazine for containing articles to be dispensed and provided with a lower open end, front and rear apertures extending upwardly from said open end and a horizontal circumferential discharge slot extending rearwardly from the upper end of the front aperture to approximately midway of the magazine, a vertically disposed rotatable ejector provided with a series of spaced peripheral shoulders and seats, each of which latter extends at an angle from the base of one shoulder to the apex of the preceding shoulder, the initial seat, when the ejector is at rest, inclining upwardly into the magazine to support the articles in a tilted position with the front portion of the lowermost article disposed above the front portion of the discharge



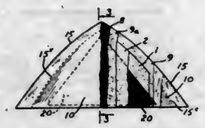
slot and its rear portion spaced in advance of the following shoulder, each seat being adapted to tilt the articles as stated and pass downward as the ejector is operated and deposit an article upon the lower edge of the discharge slot as the following shoulder engages and advances the article to eject it from said discharge slot, and means for restoring the ejector to normal position.

2,423,167
SCAFFOLD
Lawrence Aune, Clitherall, Minn.
Application January 22, 1946, Serial No. 642,736
6 Claims. (Cl. 304—29)



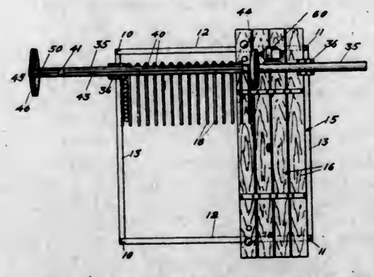
1. A supporting structure for a workman comprising a frame detachably connected to an automobile, a scaffold mounted horizontally on said frame, parallel longitudinally disposed bars pivotally mounted intermediate the ends thereof on one end of the frame, means pivotally connecting a pair of the ends of the bars with an intermediate portion of the scaffold, at respective sides of the scaffold means causing the scaffold to be swung to a vertical position, nuts fixedly secured to the other ends of the bars, a pair of operating rods each swivelly connected at one end to the frame, the other ends being threadedly engaged by said nuts, and a crank on each rod.

2,423,168
SHOULDER PAD
Albert Barritz, Kew Gardens, N. Y., assignor to Acme Shoulder Pad Co. Inc., New York, N. Y., a corporation of New York
Application January 22, 1947, Serial No. 723,513
20 Claims. (Cl. 2—268)



1. A shoulder pad comprising a covering preshaped and sewed to provide a casing of predetermined shape, two sections of cotton batting inserted therein to distend the casing to said shape, the yieldable and slightly springy nature of the batting giving the pad pliancy and resiliency, and a piece of material having a plurality of spaced wires interposed between said two sections of cotton batting, said wire material being resilient under unsustained pressure and coacting with said yieldable and springy cotton batting and shaped covering to provide a pliant and resilient shoulder pad freely responsive to the unsustained pressures of body movement, said wire material being flexibly moldable under sustained pressure and coacting with said cotton batting and shaped covering to provide a moldable shoulder pad adapted under sustained hand pressure to assume and retain any desired shape, said resiliency of the pad causing it to spring back upon release of said unsustained body pressures to said retained shape.

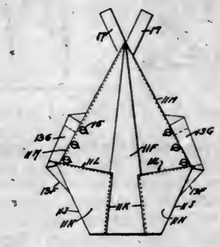
2,423,169
FINGER BOARD
Joseph O. Bennett, Mount Vernon, Ill.
Application February 28, 1945, Serial No. 580,195
7 Claims. (Cl. 214—1)



1. A device of the class described comprising spaced supports, a tubular member carried at its ends by the supports and provided with a longitudinal slot, a slidable means in the tubular member, spaced fingers secured to the slidable means and projecting through the slot and means for moving the slidable means and fingers in the tubular means, said spaced fingers being adapted to support stands of pipes.

2,423,170
COSTUME
Lillian Sorrels Blair, Memphis, Tenn.
Application July 1, 1946, Serial No. 680,660
3 Claims. (Cl. 2—80)

1. A garment comprising a front and a back square of cloth having finished edges, and a pair of shoulder straps; said front square being disposed with its diagonals respectively vertical and horizontal, folded and stitched symmetrically about said vertical diagonal to form a central dart diverging downward from the upper end of said diagonal; having its lateral corners folded forwardly to bring their respective lower edges in overlying relation to the side edges of said dart and stitched thereto, said back square being disposed with its side edges vertical and symmetrically positioned with relation to said vertical diagonal and its upper edge substantially at the upper end of said diagonal, substantially the upper third of said back being folded backward and downward and stitched along its lower edge to said back and adjacent the folded edge to outline a belt portion;



the lower end of said dart being folded backward around the lower edge of said back square and stitched thereto, the lower corners of said back square being folded backward and upward to bring the lower edges of said corners into overlying relation to the side edges of said dart and stitched thereto, side portions of the mid section and downwardly folded sections of said back square and the upper portion thereof folded thereagainst, being forwardly folded into edge lapping relation to the side edges of said front square and detachably secured thereto by fastening means, as buttons, said shoulder straps being secured as by stitching to the upper apex of said front square and as by buttons to the belt portion of said back square.

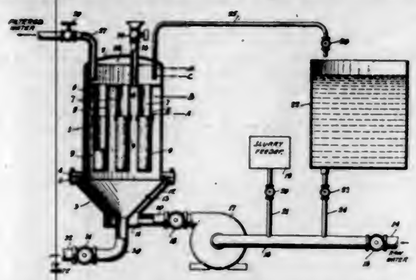
2,423,171
COATED NAIL
Willis E. Boak, Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application February 3, 1944, Serial No. 520,930
1 Claim. (Cl. 117—132)

A metal fastening of the type that is hammered into wood and frictionally retained therein, having a coating consisting by weight of about 70 parts "fine melt" Congo resin, 30 parts run gilsonite and from 2 to 20 parts plasticizer.

2,423,172
BACKWASHING MEANS FOR FILTERING APPARATUS BY REVERSE FLOW OF FILTRATE
George Martin Booth, Westfield, N. J., assignor to Wallace & Tiernan Co., Inc., Belleville, N. J., a corporation of New York
Application April 19, 1944, Serial No. 531,757
5 Claims. (Cl. 210—144)

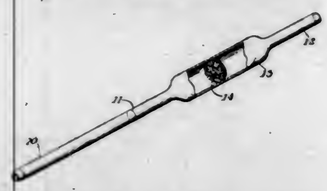
1. A filter apparatus, comprising in combination, means providing an influent chamber, means providing an effluent chamber, liquid-pervious filtering means separating said chambers, means associated with said influent cham-

ber for introducing liquid to be filtered thereinto under pressure, means for conducting filtrate from said effluent chamber, the first two-named means respectively forming an enclosed space for the trapping of air under the pressure existing in said chambers respectively during the operation of the apparatus in filtering liquid, means associated with said effluent chamber for restrict-



ing the flow of liquid therefrom during the continued introduction of liquid into said influent chamber so as to compress air in contact with the liquid in said effluent chamber, and means communicating with the air space associated with said influent chamber for suddenly venting compressed air therefrom for effecting a backwashing flow of filtrate through said liquid-pervious filtering means.

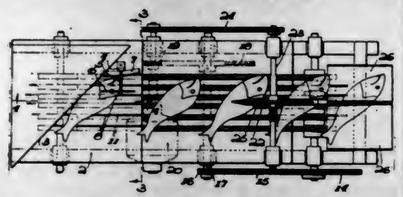
2,423,173
SAFETY PIPETTE
Edward L. Brady and Lawrence E. Glendenin, Oak Ridge, Tenn., assignors to United States of America, as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management
Application March 30, 1945, Serial No. 585,766
2 Claims. (Cl. 222—189)



1. A pipette adapted to pick up liquid by oral suction comprising a tubular member open at both ends and having an enlarged portion intermediate said ends, and a barrier member within said enlarged portion and having its periphery secured to the wall of said tubular member, said barrier member being pervious to air when dry and impervious to air and liquid when wet.

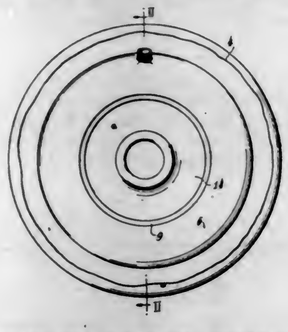
2,423,174
FISH HEADING MACHINE
Fred Parsons Brown, Braintree, Mass., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application July 10, 1943, Serial No. 494,215
6 Claims. (Cl. 17—4)

1. A fish heading machine comprising a loading station, a cutting knife, and means for conveying fish from said loading station to said knife, said loading station comprising a stationary vertical means for determining the position of a fish placed in said machine, said position determining means being inclined to the direction of movement of the conveying means at an angle corresponding to the desired angle between the line of cut and the body of the fish, and an indicating device denoting the desired position of the eye of



the fish when it is placed against said position determining means by the operator, said indicating device being spaced from said cutting knife in a direction transverse to said direction of movement by an amount correspoding to the distance between the eye of the fish and the desired cutting point.

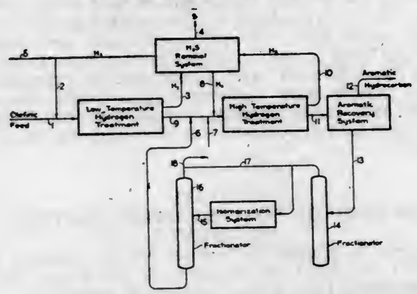
2,423,175
HEAT EXCHANGE APPARATUS
John Adrian Churchill, Luton, and James Frank Belaieff and Cyril Terence Delaney, Cricklewood, London, England
Application November 29, 1944, Serial No. 565,660
In Great Britain November 15, 1943
4 Claims. (Cl. 257—125)



1. Annular heat exchange apparatus comprising an annular cylindrical matrix, a frusto-conical cowling at each axial end of said matrix with the smaller ends of the two said cowlings facing the same axial direction, the said cowlings defining a passage through the matrix for cooling medium which radiates from the axis of the matrix and progresses axially thereof the said passage being open on the inner and outer peripheries of said matrix, two annular header tanks disposed on each of said cowlings and on the side of said cowlings outwardly of said matrix, passages in said matrix for fluid to be cooled, said passages being disposed in cylindrical formation about the axis of said matrix, each of said passages being tubular and substantially of U-shape and being wholly disposed substantially in one plane radially of the matrix, the ends of one series of said passages being disposed in one of said cowlings and each of said passages in said one series being open at its ends to the said two header tanks disposed on said cowling, the ends of another series of said passages being disposed in the other of said cowlings and each of said passages of said other series being open at its ends

to the said two header tanks disposed on said other cowling, means for admitting fluid to be cooled to one header tank of each pair thereof mounted on each cowling, and means for withdrawing cooled fluid from the other header tank of each of said pairs thereof.

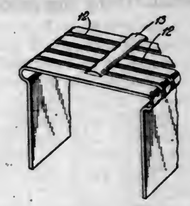
2,423,176
PRODUCTION OF AROMATIC HYDROCARBONS
Robert M. Cole, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 26, 1945, Serial No. 574,756
5 Claims. (Cl. 260—668)



1. A process for the production of aromatic hydrocarbons from sulfur-bearing olefinic petroleum fractions which comprises treating said petroleum fractions with hydrogen at a temperature between about 450° F. and 850° F. in the presence of a sulf-active hydrogenation catalyst under conditions selected to reduce the sulfur content of the material with incomplete hydrogenation of olefins; admixing with the product of said treatment a saturated isomerized hydroaromatic fraction mentioned below to produce a mixture containing less than about 0.10% sulfur; treating the mixture with hydrogen at a temperature between about 850° F. and 1000° F. in the presence of a dehydrogenating sulfide of a metal of the iron group under conditions chosen to effect further desulfurization, dehydrogenation of naphthenes and a substantial saturation of olefins; removing aromatic products from the thus-treated material; fractionating the remainder to separate a fraction rich in non-hydroaromatic naphthenes; subjecting said non-hydroaromatic fractions to a catalytic isomerization treatment to convert non-hydroaromatic naphthenes to hydroaromatic naphthenes; and cycling at least a portion of said isomerized material to the second hydrogen treatment as above specified.

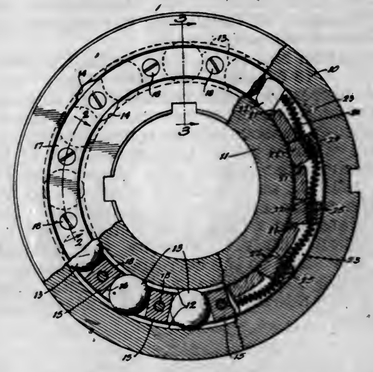
2,423,177
METHOD OF MAKING SHEAR PLATES FOR ELECTRIC SHAVERS
Wilfred Cunliffe, Stamford, Conn., assignor, by mesne assignments, to Schick Incorporated, a corporation of Delaware
Application January 20, 1944, Serial No. 518,932
3 Claims. (Cl. 76—104)

3. The method of making shaver shear plates which comprises piercing a blank of thin sheet metal stock to form a plurality of relatively long, parallel, closely spaced, alternate slots and bars therein, forming the blank into a shear plate of channel shape with the said slots and bars extending transversely and substantially continuously throughout the width of the skin-engaging portion of the shear plate, bowing the individual bars to arcuate section transversely of their length to impart strength and rigidity



thereto, reducing the edge thickness of the bars, and removing metal from the inner surfaces of said bars to produce a plurality of flat surfaces on each bar.

2,423,178
ONE-WAY CLUTCH AND BEARING
Adiel Y. Dodge, Rockford, Ill.
Application December 16, 1944, Serial No. 568,451
9 Claims. (Cl. 192—45.1)

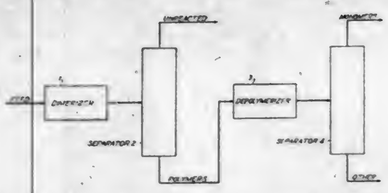


1. A one way clutch and bearing comprising a pair of coaxial races, a cage ring between the races having a series of peripherally spaced openings therein connected by a circumferentially extending groove in one face of the cage, tiltable grippers in the openings having circumferentially extending openings therethru, and an annular spring extending thru the openings in the grippers and lying in the groove in the cage ring.

2,423,179
RECOVERY OF DIENES BY POLYMERIZATION AND DEPOLYMERIZATION
Thomas F. Doumani, Roland Deery, and Art C. McKinnis, Long Beach, Calif., said Roland Deery now by judicial change of name to Roland Frank Deering, assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 7, 1942, Serial No. 457,634
11 Claims. (Cl. 260—681.5)

9. A process for concentrating conjugated dienes containing fewer than seven carbon atoms from mixtures containing them in small proportions in the order of 2% to 5%, which comprises subjecting such a mixture to elevated temperatures between about 600° F. and about 1100° F. and at pressures between about 50 pounds and about 5,000 pounds, in the pres-

ence of oxygen-bearing hydrocarbon derivative having dimerization accelerating properties whereby to form diene dimers, separating the dimerized products from the resdiual materials,



and depolymerizing the dimerized product to yield the diene monomer in concentrated form by subjecting the dimer to temperatures between about 1200° F. and 1600° F. under partial pressures below atmospheric.

2,423,180

PROCESS FOR THE REDUCTION OF NITRONAPHTHENES

Thomas F. Doumani, Los Angeles, and Clarence S. Coe, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application March 14, 1944, Serial No. 526,421

13 Claims. (Cl. 260—566)

1. A process for the reduction of nitronaphthenes which comprises passing two streams, one of which is a gaseous stream comprising hydrogen and the other is water, through a body of liquid nitronaphthene which is at a temperature above about 100° C., at a pressure sufficient to maintain the water and the nitronaphthene in the liquid state and which is in contact with a hydrogenation catalyst, whereby the nitronaphthene is reduced to the corresponding oxime, and hydrolyzing said oxime with a dilute aqueous solution of a mineral acid to form the corresponding ketone.

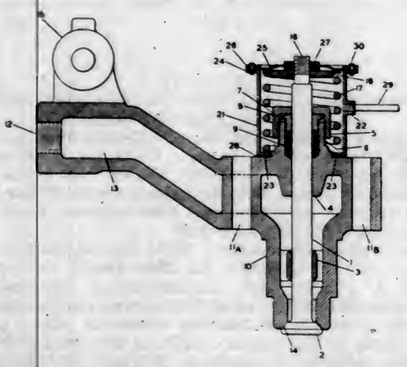
2,423,181

GAS ENGINE SAFETY CAP

Melvin R. Emery, Kansas City, Kans., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 13, 1945, Serial No. 634,842

2 Claims. (Cl. 123—188)



1. A device for preventing explosions in the vicinity of a fuel gas injector valve of a gas engine operating on fuel gas under superatmospheric pressure, said injector valve being a poppet valve having a valve head and a valve stem positioned within a valve body, the valve stem extending through a packing gland assembly in said valve body, and said valve head being held on a valve seat through action of a valve spring surrounding the tappet end of said valve stem, said packing gland assembly being subject to leakage of said superatmospheric fuel gas, comprising a cylindrical shaped, hollow body member having an inside flange on one end and an outside flange on the other end, said one end being placed in a substantially gas tight position against said valve body and the hollow body member surrounding said packing gland assembly and valve spring, the outside flange end of said body member fitted in a gas tight manner with a diaphragm, said valve stem extending through and being rigidly fixed to said diaphragm in a substantially gas tight manner; and a tube means connecting said hollow body member and a point remote from said valve forming gaseous communication between said hollow body member and said remote point.

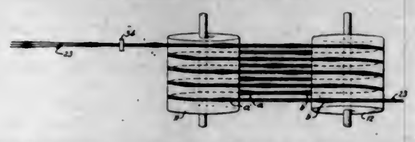
2,423,182

METHOD OF COLD-DRAWING TAPERED FILAMENTS

Reuben T. Fields, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 29, 1943, Serial No. 485,025

6 Claims. (Cl. 18—48)



1. The process which comprises subjecting a cold-drawing organic polymeric filament having recurring tapered units uniformly disposed lengthwise, while passing between draw-points spaced at a distance at least five times the length of a tapered unit in drawn condition, to tension and heating the filament between such points to a temperature of approximately 40° C.–100° C.

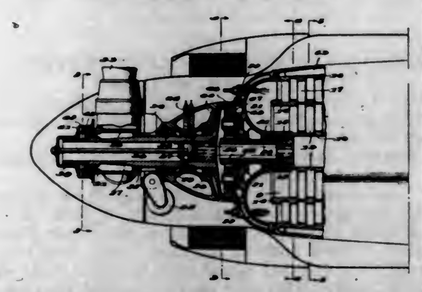
2,423,183

TURBINE TYPE JET PROPULSION

Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, England

Application July 13, 1944, Serial No. 544,788

8 Claims. (Cl. 60—35.6)



7. A turbine unit comprising a shaft, a rotatable tubular member, and a casing coaxially and concentrically mounted with respect to each other in the order named, a series of compressor blades in the compressor space between the shaft and the tubular member, said blades being alternately secured to the shaft and the inner surface of the tubular member, a series of turbine blades in the turbine space between the tubular member and the casing, said turbine blades being alternately secured to the outer surface of the tubular member and the inner surface of said casing, said compressor having an air inlet at one end, and a combustion chamber connecting the other end of the compressor with the inlet of said turbine.

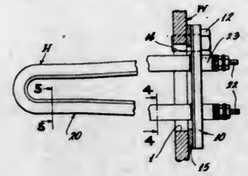
2,423,184

ELECTRIC HEATING UNIT

Millard M. Greer, Carnegie, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 26, 1945, Serial No. 574,710

2 Claims. (Cl. 219—38)



1. An electric heater, for heating matter within a container or conduit, comprising: a closure plate, constructed and arranged to overlie an opening in a wall of the container or conduit, and having on its inner surface a lamination integral with the body of the plate substantially throughout their common extent and composed of material relatively resistant to the action of the substances within the container or conduit; and a sheathed electric heating element, carried by said plate extending from the inner side of said plate and with its terminals accessible from the outer side of said plate, constructed and arranged to extend through said opening into the container or conduit, having the exterior of its sheath integrated with said lamination, and having at least the exterior of its sheath interiorly of said integration also consisting of material relatively resistant to the action of the substances within the container or conduit.

2,423,185

PROCESS FOR THE MANUFACTURE OF COATED AND IMPREGNATED MATERIALS

Wolfgang Gündel and Ernst Götte, Dessau, Germany, assignors, by mesne assignments, to The Hydronapthene Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 3, 1940, Serial No. 343,834. In Germany July 8, 1939

15 Claims. (Cl. 117—161)

1. A process for producing an improved coated and impregnated material comprising impregnating the materials with an aqueous solution at 50° C. of a water-soluble salt of a basic amine-aldehyde type resin composed of the condensation product of formaldehyde with dicyandiamide and with a preformed mineral acid salt of guanyl urea, and after the excess solution is removed chemically converting said applied resin into its water-insoluble state by removing the water solubilizing acid groups of the salt component of the resin.

2,423,186

METHOD OF CONDITIONING A CATALYST FOR THE PRODUCTION OF VINYL CYANIDE

Charles R. Harris, Lockport, and Wilbur W. De Atley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 22, 1944, Serial No. 519,382

2 Claims. (Cl. 252—259.3)

1. The method for conditioning a catalyst for reacting hydrocyanic acid with acetylene in the vapor phase to produce vinyl cyanide, said catalyst comprising a solid, porous, granular material impregnated with a mixture of sodium and potassium cyanides, which comprises impregnating said granular material with a solution of sodium and potassium cyanides in liquid ammonia to produce a catalyst mass, heating said catalyst to a temperature between 500° C. and 1400° C. for at least one hour before exposing it to the hydrocyanic acid-acetylene reaction mixture.

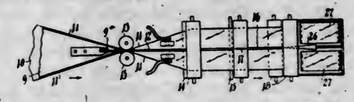
2,423,187

BAG MAKING MACHINE

Gordon Alexander Haugh, Toronto, Ontario, Canada, assignor to Haugh's Products Limited, Toronto, Ontario, Canada, a company of the Dominion of Canada

Application January 11, 1943, Serial No. 471,937

4 Claims. (Cl. 93—19)



1. In a bag making machine for the manufacture of bags from a continuous strip of heat sealable material, means for advancing the strip of material through the machine, means for exerting tension on the strip, means for folding the edges of the strip inwardly towards the longitudinal axis thereof but leaving a line of demarcation therebetween, means for longitudinally heat sealing the opposing edges of the folded strip to the underlying surface thereof, cutting means mounted on said machine in alignment with the line of demarcation between the opposing edges of the folded strip, means for heat sealing the severed strips transversely at predetermined intervals, and means for cutting said strips at predetermined intervals.

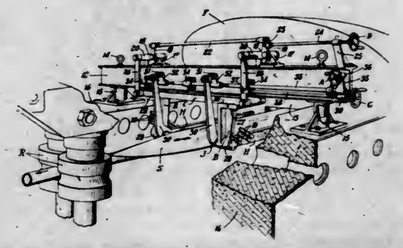
2,423,188

SKELP EDGE WELDING

Harry T. Herbst, Baltimore, Md., assignor to Union Carbide and Carbon Corporation, a corporation of New York

Application February 2, 1944, Serial No. 520,808

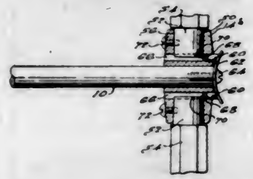
14 Claims. (Cl. 263—3)



1. In apparatus for manufacturing pipe or tubing, a support, a carriage, means for movably

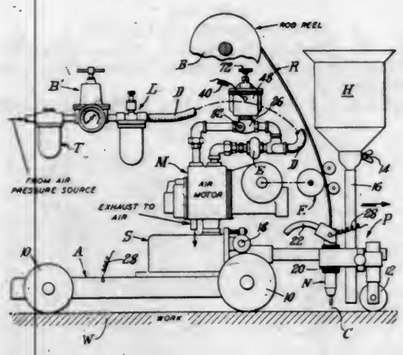
mounting said carriage on said support, a pair of oppositely disposed burners mounted on said carriage for heating the edges of skelp, means for adjusting said burners toward and away from each other for different widths of skelp, and remote control means connected to said carriage mounting means for adjusting the position of said burners with respect to the path of the skelp.

2,423,189
HAMMER TYPE WELD CLEANING TOOL HAVING ATTACHED BIT REMOVERS
Jack C. Honhart, Detroit, Mich.
Application September 10, 1943, Serial No. 501,816
1 Claim. (Cl. 7—8)



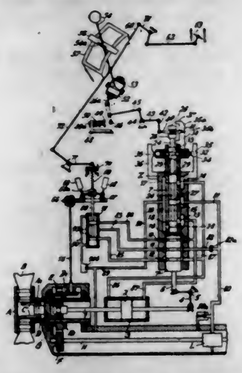
A cleaning tool for welds and the like, comprising a handle, a head fixed to one end of the handle and having two oppositely directed tapered openings, instruments having tapered shanks interchangeably seated within said openings, said head being formed with bores extending parallel to the handle and intersecting said openings adjacent their bases, a leaf spring having its intermediate portion secured between said bores and having its ends overlying said bores, two drift pins each secured to an end of the spring and having a tapered end projecting into one of the bores and movable upon deflection of the spring into contact with the shank of the instrument seated in the corresponding bore to move the shank outwardly of the opening, said leaf spring being arranged substantially parallel with the head.

2,423,190
ELECTROPNEUMATIC CONTROL SYSTEM
Harry E. Kennedy, Berkeley, Calif., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 15, 1944, Serial No. 549,512
11 Claims. (Cl. 219—8)



1. An electro-pneumatic welding control system comprising, in combination, a rotary compressed air motor for feeding an electrode toward another electrode in a moving welding zone, means including an air supply throttle valve for feeding a variable amount of compressed air to said motor, and electromagnetic means responsive to a welding characteristic for controlling said air supply throttle valve, the system automatically acting to throttle the total amount of air supplied to said motor to maintain such characteristic substantially constant.

2,423,191
CONTROL APPARATUS FOR VARIABLE PITCH PROPELLER ADJUSTING DEVICES
Jean Kopp, Berne, Switzerland
Application August 3, 1943, Serial No. 497,190
In Switzerland June 18, 1942
9 Claims. (Cl. 170—163)

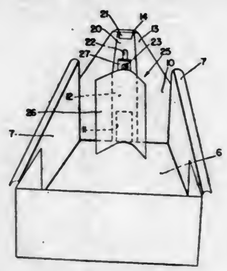


6. In control apparatus for variable pitch adjusting devices, a propeller having blades rotatable to adjusted positions including a braking position and a feathered position, a blade pitch adjusting mechanism, an automatic blade pitch adjustment control mechanism connected with adjusting mechanism for controlling the pitch within a certain range, a manually operable control lever connected with said automatic control mechanism, means operatively connected to said control lever adapting the latter to influence the control exercised within the automatic range, and further means providing for pivotal movement of said control lever in a direction other than that of its movement in influencing the automatic control mechanism, adapting the latter to take complete control of the adjustment beyond the range of the automatic control, and transmission means interposed between said blade pitch adjusting mechanism and said control lever influencing the position of the latter so as to serve as an indicator of the type of adjustment to which the blades are set, and of the speed of adjustment when operating under automatic control.

2,423,192
FEED HOPPER
Henry E. Korum, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 14, 1944, Serial No. 554,087
9 Claims. (Cl. 222—459)

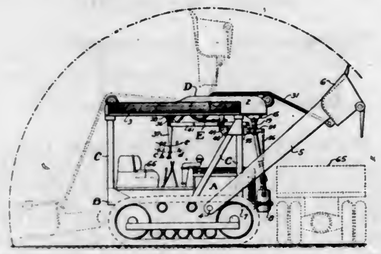
1. In a feed hopper of the type including an end wall having a feed opening for feeding kernels of grain into a hammer mill or the like, a generally vertical baffle plate disposed in front of said feed opening in said hopper and having

bracket means for supporting said plate, said plate having laterally opposite side portions in-



clined inwardly of said hopper away from said opening for retarding the flow of grain to prevent it from becoming lodged in said opening.

2,423,193
OVERHEAD SHOVEL
Frank P. Lawler, Chicago, Ill., assignor of one-third to Charles H. Grant, San Francisco, Calif., one-third to Frank P. Lawler, Chicago, Ill., and one-third to Paul J. Tyler, Oroville, Calif.
Application May 7, 1945, Serial No. 592,347
7 Claims. (Cl. 214—131)



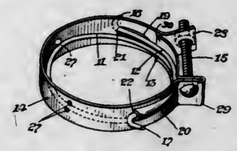
1. In combination with a tractor of the character described, a pair of arms pivoted adjacent the sides of the tractor, a shovel secured to said arms at the outer ends thereof, said arms being of a length so as to swing the shovel through a vertical arc parallel to the longitudinal axis of the tractor from a digging position at one end to a dumping position at the opposite end of the tractor, an overhead frame supported by the tractor, a hoisting drum supported by said frame at a point substantially in vertical alignment with the pivot about which the shovel arms swing, an intermediate transmission drive supported by the frame, a driving connection between said intermediate transmission and the hoisting drum, a cable anchored at one end to said drum and at the other end to the shovel, clutch actuated means for transmitting power from the tractor to the intermediate transmission to rotate the drum so as to swing the shovel from either end of the tractor to a substantially vertical position, brake actuated means cooperating with the drum to lower the shovel from a substantially vertical position towards either end of the tractor, and automatically actuated means for disengaging the power transmitting clutch as the shovel approaches vertical position and for applying the brake to stop movement of the shovel at a predetermined point beyond vertical position.

2,423,194
APPARATUS FOR MEASURING THE DWELL AND FREQUENCY OF ELECTRICAL IMPULSES
Thomas H. Long, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application April 16, 1943, Serial No. 483,236
12 Claims. (Cl. 171—95)



1. In apparatus for measuring impulses, a rectifier connected to a source providing the impulses, a resistance and a condenser connected in series to receive the rectified impulses, a shunt circuit across the condenser, and means to measure a function of the average current in the shunt circuit.

2,423,195
CLIP FOR FLEXIBLE TUBES
Eric Longden, Greenside, Johannesburg, Transvaal, Union of South Africa
Application November 25, 1943, Serial No. 511,661
In the Union of South Africa February 5, 1943
5 Claims. (Cl. 24—19)

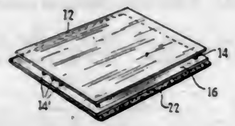


1. A hose-clamping device comprising in combination a spring band of such length as nearly to encircle the hose and having means for drawing the ends of the band toward each other, a wire bracelet disposed within said band in position to encircle the hose to be clamped, the ends of said bracelet overlapping each other within the band, portions of said band adjacent its opposite ends being pressed outward to form slots and an arched member extending over each slot and tapering from a point at one end of the slot to an opening at the opposite end, the opposite ends of said bracelet passing through said slots and emerging through the openings at the ends of said tapered members whereby as the ends of the band are drawn together the bracelet is compressed within the band and its ends spread apart in reverse proportion to the distance between the ends of said band.

2,423,196
FLEXIBLE ELECTRIC HEATER AND AN APPARATUS AND METHOD FOR MAKING THE SAME
David B. MacKendrick, New York, N. Y.
Application November 30, 1943, Serial No. 512,290
8 Claims. (Cl. 219—46)

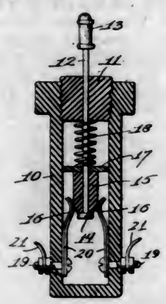
1. In a method of manufacturing a heating device having a convoluted wire heating coil of predetermined size, boundary configuration and shape of convolutions by means of a template comprising two abutting parts whereof one part has a plurality of projections having coplanar tips arrayed to conform to said convoluted coil, and whereof the other part has a plurality of through openings arranged in the same pattern

as the said projections and freely receiving the same and allowing the tips thereof to protrude: the steps comprising winding resistance wire around the protruding tips of said projections



and then stripping said wound wire from said projections by moving said parts away from each other and transferring said wound wire to an adhesive surface as it is stripped from the projections.

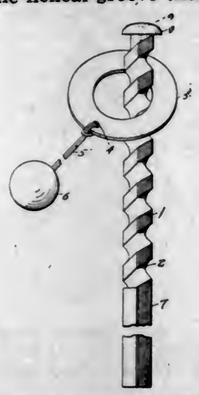
2,423,197
BYPASS FOR LUMINOUS TUBE SIGNS
Ivan M. Matson, Los Angeles, Calif.
Application August 17, 1944, Serial No. 549,912
2 Claims. (Cl. 200—118)



1. In a by-pass for luminous tube signs, a receptacle of insulation, a plug normally closing the upper end of said receptacle, a spring pressed member arranged for sliding movement in said receptacle and passing through said plug, a body of insulation carried by the lower portion of said spring pressed member and provided on its lower end with a shoulder, a contact on the lower end of said spring pressed member below said shoulder, a pair of bi-metallic springs secured in the lower portion of said receptacle, the upper portions of which springs normally engage said shoulder to maintain said spring pressed member in elevated position with an arc-gap between said contact and said springs and a conductor carried by said spring pressed member above the body of insulation carried thereby, for contacting said bi-metallic springs when said spring pressed member and body of insulation thereon move downwardly between said springs.

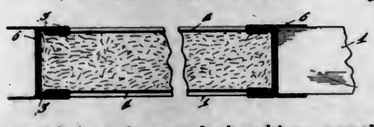
2,423,198
MECHANICAL TOY
Daniel R. McClure, Jr., Los Angeles, Calif.
Application February 2, 1946, Serial No. 645,136
4 Claims. (Cl. 46—47)

1. The combination with a stem having a helical groove sunk into the surface thereof and extending through the major portion of the length thereof, of an annular disc of much larger internal diameter having a perforation near the outer edge thereof, an elastic band seated in and extending from said perforation, and a rubber ball secured to the end of said band, said disc being freely mounted on the stem and caused to rise along the helical groove thereof in response



to swinging movement of the stem while the latter is held against axial rotation.

2,423,199
SOUND DEADENING PANEL
Leland T. Milnor, Cincinnati, Ohio, assignor to The Cincinnati Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application June 13, 1944, Serial No. 540,125
1 Claim. (Cl. 189—34)

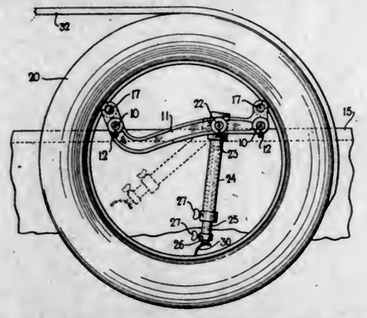


A prefabricated sound-absorbing panel for ready assembly in the erection of a wall or other structure, the panel comprising: a rectangular frame with the side rails thereof formed of a channel bar, the outer side of the web of the channel bar being plane surfaced and each flange thereof having a portion bent inwardly thereupon for the length of the flange and of U-shape in cross-section, laminating the flange and providing a groove longitudinally of and open to the edge of the flange, a foraminous metal sheet respectively for each face side of the panel, each having its margins engaged and socketed respectively into the groove of a relative flange of the side rails of the frame to confine and bind the sheet within the frame, and an insulating and sound-absorbing material compactly filling the hollow interior formed by said channel bar frame and said sheets.

2,423,200
MANUFACTURE OF LACTAMS
Robert Wighton Moncrieff and Donald Peter Young, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application December 23, 1943, Serial No. 515,426. In Great Britain February 24, 1943
6 Claims. (Cl. 260—239)

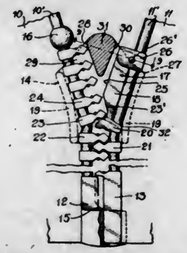
1. Process for the manufacture of lactams, which comprises heating under reflux a mixture of sulphuric acid with 2 to 3 times its volume of acetic acid, and adding to the heated mixture the oxime of a saturated aliphatic cyclic ketone at such a rate that the heat of reaction evolved causes the acetic acid to boil from the mixture.

2,423,201
WORK SUPPORT
James H. Moore, Akron, Ohio
Application April 1, 1944, Serial No. 529,212
1 Claim. (Cl. 154—9)



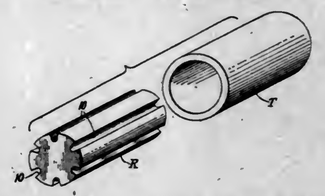
In a work support of the character described, a frame, roller means carried thereby adapted rotatably to support an annular article in a vertical plane, and pawl-like brake means carried by the frame and adapted to engage the article to prevent rotation thereof in one direction, said frame comprising a pair of rods that project laterally therefrom and are attachable to a work bench, whereby the work support is in overhanging relation to the latter, said rods being removably mounted in the frame, whereby they may be reversed so as to project from the opposite side thereof, the arrangement being such that the work bench on which the device is mounted will be at the opposite hand of a workman operating the same.

2,423,202
PULL APART SEPARABLE FASTENER
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application July 9, 1943, Serial No. 493,965
11 Claims. (Cl. 24—205)



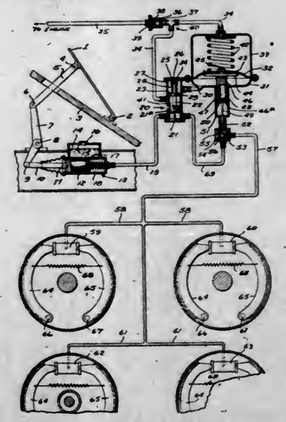
1. A separable fastener comprising stringers having links spaced along one edge of the stringers, a slider movable along the stringers to couple and uncouple said link, one end of the stringers having couplings for complete separation of the stringers, said coupling on one of said stringers having means limiting movement of the slider in the direction of said end of said stringer and retaining the slider against displacement from said end of the stringer, the other end of said stringer having a stop retaining the slider against displacement from the last named end of the stringer, the end not having said coupling of the other stringer having a separator normally engaging the slider, when at said last named end of the stringer, in retaining the stringers against separation, means on said separator providing detachment laterally through the side of the slider in pull apart separation of the stringers starting at said separator end thereof, said separator comprising link portions spaced on the stringer tape, and a bar joining said link portions.

2,423,203
METHOD OF MAKING BLOWPIPE NOZZLE BLANKS
Samuel R. Oldham, West Orange, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application February 20, 1943, Serial No. 476,544
1 Claim. (Cl. 29—157)



The method of making a blowpipe nozzle blank composed of ductile metal, such as copper, having an annular series of longitudinal passages, which comprises telescopically fitting a core consisting of a length of longitudinally grooved barstock of substantially constant external diameter throughout its length, within a tube consisting of an equal length of straight, commercial tubing of substantially constant internal diameter throughout its length, heating the resulting rod-tube assembly to a temperature of the order of 1600° F. to 1700° F., and supporting the so heated assembly between dies, while compression welding the tube on the bar so as to permanently unite the parts into one piece of homogeneous metal.

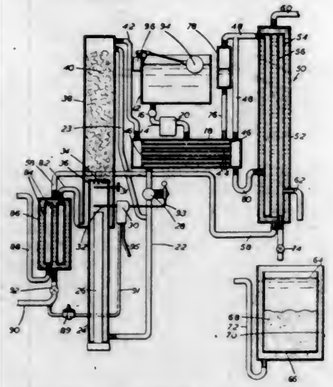
2,423,204
APPARATUS INCLUDING POWER UNIT FOR SETTING BRAKES
Edward A. Rockwell, Cleveland, Ohio
Application September 1, 1943, Serial No. 501,034
20 Claims. (Cl. 188—152)



1. In a device of the character described, a source of power, a wheel brake, manually operable means including a master cylinder having a piston provided with a seal, apparatus adapted to apply said power to substantially merely

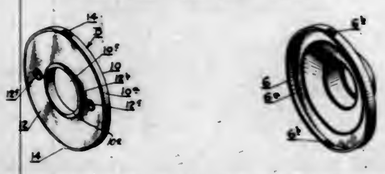
set the brakes hydraulically, and means, including a double check valve, connecting the master cylinder with said apparatus so as to thereafter apply a manual hydraulic pressure on said wheel brake and to cut off the application of the power upon the brake while the manual pressure is being applied and allow the return of the liquid through the double check valve to the master cylinder.

2,423,205
STILL WITH VAPOR SEPARATOR
Joseph Seebohm Rowntree, Radnage, near High Wycombe, England
Application February 4, 1944, Serial No. 521,073
In Great Britain February 2, 1943
4 Claims. (Cl. 202—197)



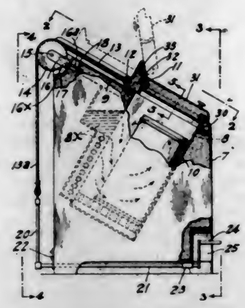
1. A still for separating constituents of a liquid, comprising a vertical heating column having an overflow opening adjacent its top, a separating column communicating with and extending above said overflow opening, a trap chamber communicating with the separating column and with the overflow opening and extending below the latter for receiving liquid issuing therefrom and from the separating column, means for supplying liquid to the heating column arranged for maintaining the hydrostatic level of liquid in the column at a predetermined distance below the overflow opening, and means for heating the liquid in the heating column.

2,423,206
ESCUTCHEON PLATE FASTENER
Walter R. Schlage, Burlingame, Calif.; Anna Schlage, executrix of said Walter R. Schlage, deceased, assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application July 5, 1943, Serial No. 493,502
2 Claims. (Cl. 292—357)



1. In a door lock of the character described, a clamping plate consisting of an outer, an intermediate and an inner plate, means securing said plates together as a unit, an escutcheon plate forming a cover for the clamping plate, an annular flange on the escutcheon plate telescoping over and covering the peripheral edge of the clamping plate, and spring actuated means carried by the intermediate plate of the clamping plate projectable into retaining means formed in the annular flange of the escutcheon plate to retain it against removal.

2,423,207
ICE-CREAM CABINET
Renwick J. Sharp, Guatemala, Guatemala.
Application October 6, 1944, Serial No. 557,422
1 Claim. (Cl. 220—47)

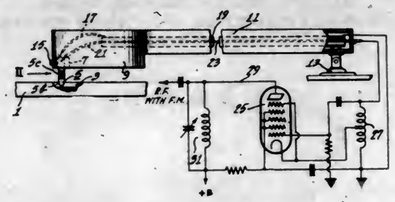


In a cabinet having its top wall inclined downwardly toward the front and provided with a material receiving chamber opening through said top wall, a cover slidable on said top wall from a forward chamber-closing position to a rearward position for opening said chamber, a rock shaft journalled horizontally on the lower part of said cabinet, a foot-operable crank fixed to one end of said shaft and disposed at the front of the cabinet, a lever having a radial length substantially greater than that of said crank fixed to the opposite end of said rock shaft and arranged to swing in a vertical plane rearwardly of the cabinet, a flexible element trained for movement over the upper rear portion of the cabinet and connecting the free end of said lever with said slidable cover whereby foot-operated movement of said crank will cause greatly increased arcuate movement at the free end of said lever to pull the flexible element sufficiently to effect full opening slide of the cover, means yieldingly urging said cover to forward closed position, said top wall being provided with a channel directed forwardly from its rear wall and having undercut grooves at each side of the channel, said cover being slidable in said channel and grooves, a tension spring fastened in each of said grooves and to the cover to resiliently urge the cover to chamber-closing position, said cabinet having a recess in its lower front portion within which said foot crank is housed, and a pulley rotatably mounted on the upper rear portion of the cabinet to guide said flexible element thereover.

2,423,208
ELECTROSTATIC PICKUP
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1944, Serial No. 538,072
19 Claims. (Cl. 179—100.41)

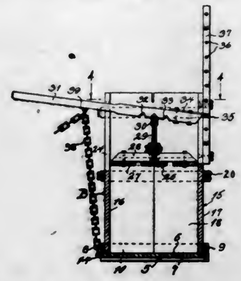
1. An electrical signal translating device comprising a pair of electroconductive members each

adapted to simultaneously engage and cooperate with a phonograph record groove, and a dielec-



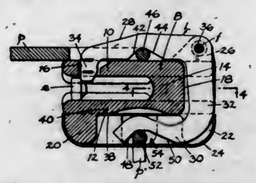
tric member separating said first named members.

2,423,209
PAPER BALER
Daniel H. Storey, Wausau, Wis.
Application May 20, 1944, Serial No. 536,563
1 Claim. (Cl. 100—4)



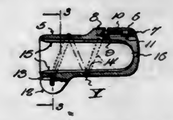
In a knocked down collapsible household baling press, a base including a floor and upstanding marginal flanges, a body detachably associated with said base including front, rear and side walls, the lower edges of said walls being adapted to fit against said floor with said walls in abutting relation to said flanges when the body is in its set up position on the base, means removably connecting the side walls to the rear wall, means detachably connecting the front wall to the side walls, whereby the walls of the body when disassembled can be placed flat on said base for shipment, a plunger slidably mounted in the body, when said body is in its set up position, a fulcrum member carried by said rear wall, and a fulcrum lever adapted to engage the fulcrum member and said plunger.

2,423,210
DOUBLE-PULL AUTOMATIC LOCK SLIDER
Frederick Ulrich, Jersey City, and Otto Scheuermann, Westfield, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application May 1, 1945, Serial No. 591,348
9 Claims. (Cl. 24—205.5)



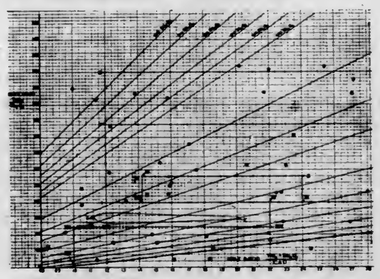
1. A double-pull automatic lock slider for slide fasteners comprising a slider body having front and rear wings joined at their upper ends by a neck, a U-shaped locking member longitudinally straddling the wings of the slider and fulcrumed to the slider at its neck, a spring active on the rear branch of said U-shaped locking member for moving the same about its said fulcrum to locking position, and a pull on one side of said slider operative on one branch and a pull on the other side of said slider operative on the other branch of said U-shaped locking member for moving the same about its said fulcrum against the action of said spring to unlocking position.

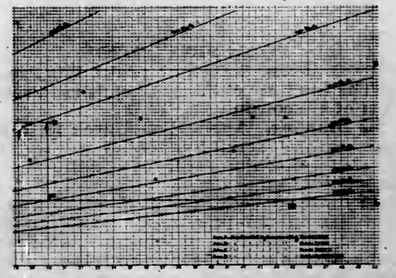
2,423,211
YARN KNITTING GUIDE
Lorin G. Vanselow, Milwaukee, Wis.
Application December 16, 1944, Serial No. 568,525
7 Claims. (Cl. 242—153)



1. A knitting aid device of the character described comprising, a rigid finger receiving sleeve provided with an external spiral yarn receiving groove in which a strand of yarn is wound, and an open guide positioned adjacent one end of said groove and provided with a yarn receiving slot transverse to the axis of said groove.

2,423,212
VITREOUS ENAMEL OPACIFIER
Virgil H. Waite, Berea, and Harry Burnham Allport, Cleveland, Ohio, assignors to The McGean Chemical Company, Cleveland, Ohio, a corporation of Ohio
Application June 13, 1942, Serial No. 446,977
30 Claims. (Cl. 106—312)





1. The process of manufacturing compositions useful as mill addition opacifier agents in the pro-

duction of vitreous or porcelain enamels, which comprises calcining materials consisting preponderantly of intimately commingled calcium antimonate and calcium titanate in finely divided condition, the components being so proportioned in the mix as to give a calcined product having a composition characterized by a predetermined correlation between the numerical values of the basicity ratio

$$\left(\frac{TiO_2+Sb_2O_5}{CaO}\right)$$

and the titanium-antimony ratio

$$\left(\frac{TiO_2}{Sb_2O_5}\right)$$

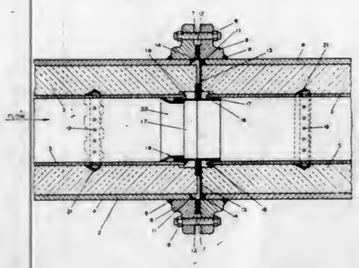
respectively, said numerical values lying within the total area represented by Area A plus Area D on the accompanying graph hereinbefore described, and by a molar proportion of antimony pentoxide within the range 0.10 and 0.90 when the molar proportion of calcium oxide is taken as 1.0.

2,423,213

HIGH-TEMPERATURE CONDUIT

Louis Joe Weber, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 13, 1944, Serial No. 563,213
11 Claims. (Cl. 138—64)



11. A conduit for high temperature fluids comprising in combination a pipe section comprising an outer imperforate stress-bearing shell, an inner perforated heat resisting shell and an intermediate heat insulating shell, the perforations in said inner perforated shell being spaced in a line around the axis of said inner shell, and a ring exterior of said inner shell and spaced to cover all of the perforations in one of said lines, said ring being secured to the inner shell.

2,423,214

FOAM PREVENTION

Sidney D. Wells, Combined Locks, Wis., assignor to The Institute of Paper Chemistry, a corporation of Wisconsin

No Drawing. Application March 16, 1944, Serial No. 526,823
1 Claim. (Cl. 252—358)

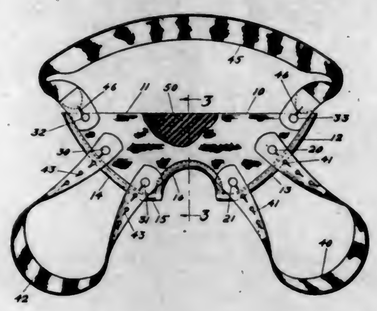
An aqueous emulsion the components of which are kerosene, boiled linseed oil, mahogany soap, and water in the proportions of 28 gallons of kerosene, 15 gallons of boiled linseed oil, 48 pounds of mahogany soap, and 100 gallons of water, prepared for use as an agent for preventing foam on the stock feed of a paper-making machine.

2,423,215

TRUSS

Grover C. Welter, Roswell, N. Mex.

Application February 16, 1945, Serial No. 578,216
1 Claim. (Cl. 128—96)



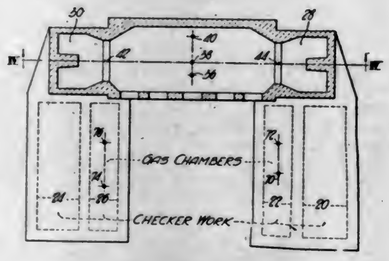
A truss comprising a body portion composed of front and back pieces of fabric having parallel straight top edges and arcuate edges extending downwardly from each end of the straight portion and notched in an upwardly extending curve at their centers, said back piece being of greater area along all of said curved edges than the front piece to provide a margin thereon overlapping the corresponding edges of said front piece, a row of stitching passing through the three thicknesses of material thus formed, said straight edges being unconnected, a removable resilient pad located in the pocket between said pieces, button studs secured through the front pieces at each of its corners, a body belt connected to said buttons, sets of other button studs also connected through the front piece at each side of the notch therein and between said notch and the first mentioned studs and leg straps connected to each of said sets of buttons.

2,423,216

METHOD OF HEATING OPEN-HEARTH FURNACES

Loren J. Westhaver, Monongahela, Pa., and John A. Slenker, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application May 21, 1943, Serial No. 487,938
9 Claims. (Cl. 263—52)



1. The method of initially heating the brickwork structure of a furnace so as to prevent damage thereto by spalling, which comprises (*a*) determining the maximum rate of temperature rise per unit of time which the furnace brick will withstand without spalling when heated from normal seasonal atmospheric temperature to the critical temperature of said brick, (*b*) determining the maximum rate of temperature rise per unit of time which said brick will withstand without spalling after it has reached the critical temperature, then initially heating up the furnace at a relatively slow rate not greater than that of said (*a*) determination, and thereafter greatly increasing the heating rate but not exceeding that of said maximum (*b*) determination.

2,423,217

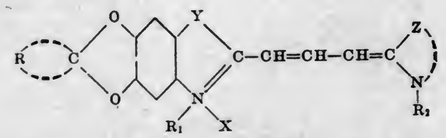
PHOTOGRAPHIC EMULSIONS CONTAINING SENSITIZING DYES

Alfred W. Anish, Johnson City, and Lee C. Hensley, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Original application August 16, 1944, Serial No. 549,788. Divided and this application August 16, 1944, Serial No. 549,790
4 Claims. (Cl. 95—7)



4. A photographic gelatino-silver-halide emulsion which contains a sensitizing dye of the general formula:



wherein R represents the methylene groups necessary to complete at least a 5-membered alicyclic system, R_1 and R_2 represent an alkyl group, X represents an acid radical, Y represents a member taken from the class consisting of sulfur and selenium, and Z represents the atoms necessary to complete a nitrogenous heterocyclic ring system.

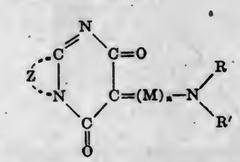
2,423,218

POLYCYCLIC DIKETOPYRIMIDINES

Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

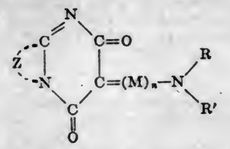
No Drawing. Application December 7, 1945, Serial No. 633,538
16 Claims. (Cl. 260—260)

1. Polycyclic diketopyrimidines characterized by the following formula:

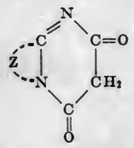


wherein M represents a methenyl group, Z represents the nonmetallic atoms necessary to complete a heterocyclic nucleus, *n* is a positive odd integer not greater than 5, R is an aryl group selected from the class consisting of the benzene and naphthalene series, and R′ is a substituent selected from the group consisting of hydrogen and acyl groups.

9. A method of producing a compound having the following formula:



which comprises reacting a compound of the following formula:



with a compound of the following formula:

$$R''NH—(M)_n=N—R'''$$

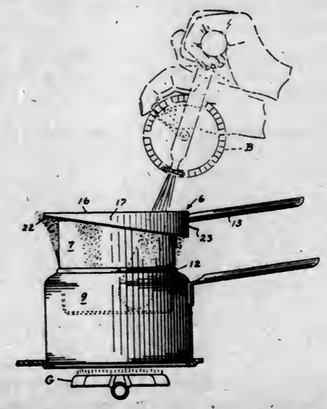
and its salts, wherein M represents a methenyl group, Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus, *n* is a positive odd integer not greater than 5, R, R″ and R‴ represent an aryl group selected from the class consisting of the benzene and naphthalene series and R′ is a substituent selected from the group consisting of hydrogen and acyl groups.

2,423,219

FENDER DEVICE FOR HEATED POTS

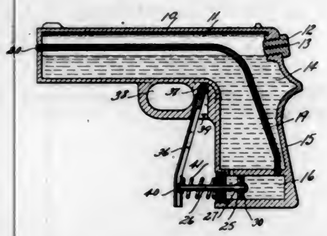
Octavia E. Armstrong, Salinas, Calif.

Application December 24, 1943, Serial No. 515,527
3 Claims. (Cl. 126—373)



1. In combination with an externally heated pot or the like arranged to have a hot gaseous fluid rising along and about its sides during its heating, a ringlike fender member comprising a top portion having a planar part arranged to supportedly rest upon the pot rim and having its peripheral edge spaced from its rim-engaging line, and a flange portion depending from the outer edge of the fender top portion and cooperative with the opposed pot side and the top portion to provide a space for receiving said rising fluid and provided with a fluid-escape outlet at a single point of its top, and a continuous flange portion depending from the inner edge of the fender top portion for its extension coaxially within the pot when the fender is mounted thereon.

2,423,220
WATER PISTOL
John William Arpin, Verona, N. J.
Application February 21, 1947, Serial No. 730,121
5 Claims. (Cl. 222—79)



1. A water ejecting toy pistol comprising a body having a water chamber formed therein, a cylinder for receiving charges from said water chamber, a manually operated piston for applying pressure to a charge in said cylinder, a conduit communicating with said cylinder whereby the charge under pressure is forced through said conduit and forcibly ejected from the body, and valve means embodied in said piston for re-charging said cylinder after ejection of water therefrom, said conduit being restricted whereby to retain water therein during re-charging of said cylinder, an elongated trigger pivoted at one end to said body and operatively connected adjacent its other end to said piston, and a spring separating the piston connected end of said trigger from said cylinder to maintain said trigger in its outwardly pivoted or reset position.

2,423,221
CAN OPENER STOP ELEMENT
Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois
Application March 4, 1946, Serial No. 651,734
4 Claims. (Cl. 30—9)



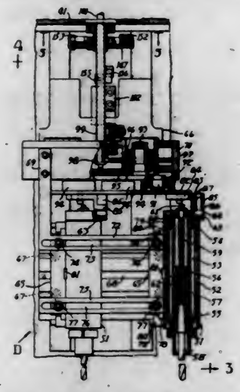
1. In a can opener device, a stationary member in the form of a long narrow plate standing on edge, a cutter on one side thereof, a movable member on said side of the stationary member, a feed wheel on said movable member below said cutter and movable from and toward the latter when the movable member is shifted back and forth, a vertical leaf spring fixed at its lower end to the stationary member at a lower level than the feed wheel and extending upward and away from said side of the stationary member to a level above the lowest point of the cutter, and a projection on the stationary member directly behind the upper end of the spring, the parts being so proportioned and arranged that when the device is empty the spring is spaced apart a considerable distance from the projection and is pressed firmly against the latter by the bead of a straight-sided can inserted in the device.

2,423,222
CONDUIT SUPPORTING CLIP
Reni S. Berry, Los Angeles, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application December 31, 1942, Serial No. 470,870
6 Claims. (Cl. 174—40)



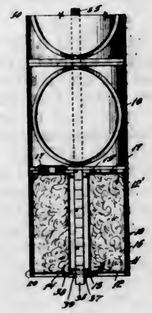
1. In a bonding element for application to a conduit clip which latter includes a conduit-embracing cushion and a metal strap supporting said cushion and having opposed ends adapted to be brought together to clamp the cushion and strap around a conduit, the improvement which consists of a bonding element adapted to be applied to and removed from such a clip without disassembling the clip, said element comprising a relatively thin and flexible metallic strip bent back on itself to define opposed elongated legs adapted to be positioned astride an end of the cushion; said legs having opposed portions arranged to extend longitudinally of opposite faces of the cushion for contact with the strap and conduit respectively, said legs having other opposed portions arranged to extend longitudinally of said ends of the strap in position to be forced into contact with one another and said end of the strap and to be clamped between said ends, said strip being formed of resilient metal whereby the legs are tensioned.

2,423,223
MACHINE TOOL
Edward P. Bullard, III, Fairfield, and Frank H. Mussler, Stratford, Conn., assignors to The Bullard Company, a corporation of Connecticut
Application December 27, 1944, Serial No. 570,010
15 Claims. (Cl. 77—24)



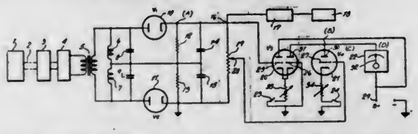
1. In a multiple-station machine tool, a bracket at each of a plurality of said stations; means on each bracket for supporting a plurality of rotatable spindles, said means comprising universally-adjustable means whereby each spindle at each station may be individually adjusted to any point within the extent of its station; a single driving plate at each station for rotating all of the spindles at said station; and adjustable connectors between said plate and each of said spindles.

2,423,224
FILTER CARTRIDGE PACKAGE
Ralph H. Card, Hamburg Township, Livingston County, Mich., assignor to Fram Corporation, a corporation of Rhode Island
Application December 28, 1944, Serial No. 570,092
3 Claims. (Cl. 206—56)



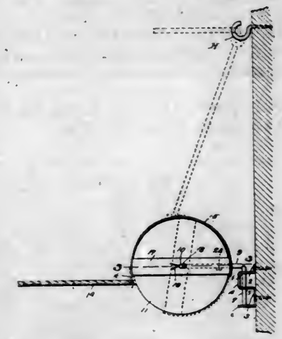
3. A filter cartridge package comprising a plurality of cartridges, each having a central axial opening positioned with said openings in alignment, a sheet of material wrapped about said cartridges to hold the cartridges assembled as a unit, said sheet of material being weakened at its area adjacent the junction line of the cartridges, sufficient for rupture upon rotary movement of the cartridge and wrapper about said central axis, a rigid member extending through said aligned openings and provided with a hole near one end, a removable pin in said hole, an abutment engaged by one cartridge and prevented from movement axially of the member by said pin, whereby to support said cartridges when suspended by said member, a loop attached to the other end of said member for suspending said package, and a cover extending over a cartridge at the other end and having a perforation to receive said member and a flange extending axially of the package and externally of said wrapper.

2,423,225
FREQUENCY SHIFT TELEGRAPH RECEIVER TUNING INDICATOR
Reynold S. Chapin, Flushing, N. Y., assignor to Press Wireless, Inc., New York, N. Y., a corporation of Delaware
Application October 9, 1945, Serial No. 621,262
9 Claims. (Cl. 178—88)



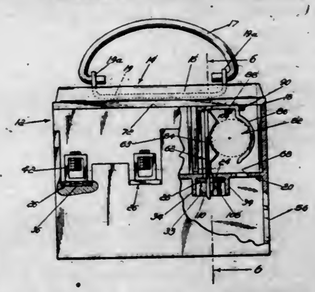
1. In combination, a frequency discriminator of the type having a frequency-versus-voltage characteristic with a single linear sloped portion between successive positive and negative peaks, and means connected to said discriminator to convert said single linear portion into a plurality of linear portions symmetrically spaced on opposite sides of a predetermined mean frequency, the last-mentioned means including a pair of grid-controlled electron tubes upon which the discriminator output is impressed, one of said tubes being a phase inverter and the other an amplitude limiter, and means to combine the inverted and amplitude-limited outputs of said tubes.

2,423,226
CLOTHESLINE REEL
Harry Cole, Andover, and Emery L. Kezertee, Conneaut, Ohio
Application July 2, 1945, Serial No. 602,726
2 Claims. (Cl. 242—102)



1. The combination with a supporting bracket, a pin mounted for rotation in the bracket, an arm extended from the pin and having an angular extension, and a shaft extending from said extension and substantially parallel with the arm, of a spring-restrained clothesline reel rotatably mounted on the shaft, an arcuate cover pivotally mounted on the shaft, and means for detachably securing said cover to the shaft at points beyond the sides of the reel.

2,423,227
COMBINED FUSE AND ELECTRIC SWITCH
Thomas M. Cole, New York, N. Y., assignor to Cole Industries, Inc., Long Island City, N. Y., a corporation of New York
Application December 18, 1943, Serial No. 514,811
7 Claims. (Cl. 200—114)



1. In an electric switch having a pair of spaced stationary contact members, a movably mounted supporting member and a pair of spaced contact members mounted on said supporting member and movable therewith into and out of engagement with said stationary contact members, respectively, each of said movable contact members comprising laterally spaced parts forming a fuse-holding clip, said fuse-holding clips of the two movable contact members being in alignment for engaging the opposite ends of a fuse, and a resilient member carried by one of said laterally spaced parts of each of said contact members and having a portion for resiliently engaging the adjacent end of the fuse and a portion for resiliently engaging the companion stationary contact member, said resilient member comprising a strip hav-

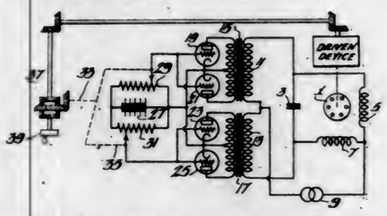
ing a part thereof between said resiliently engaging portions fixed to said one of the laterally spaced parts, said resiliently engaging portions being movable with respect to each other and said one of the laterally spaced parts.

2,423,228

ELECTRIC MOTOR CONTROL SYSTEM

James W. Conklin, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application February 24, 1943, Serial No. 476,903
2 Claims. (Cl. 172—278)



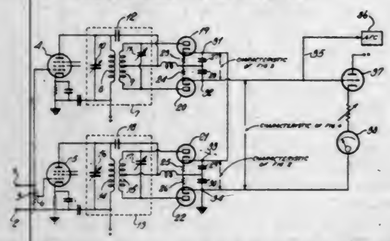
1. A motor control system comprising a motor having two windings adapted to cause said motor to rotate in one direction or the other according to the relative phase of the energizing currents in said windings; a phase shifting capacitor having two terminals; a source of single phase alternating current, said windings being connected between one side of said source and the two terminals of said capacitor, respectively; a pair of transformers having their secondaries connected between the other side of said source and the terminals of said capacitor, respectively, each of said transformers having push-pull primary windings; two pairs of thermionic discharge tubes having their plate electrodes connected in push-pull relation with said primary windings, the plate potential for said tubes being solely that induced across said primary windings by currents flowing in said secondary windings, and means for applying a first direct current control potential to the grid electrodes of one of said pairs of tubes and a second direct current control potential to the grid electrodes of the other pair of tubes; and unitary means for varying simultaneously said first and second control potentials in opposite directions whereby to control the speed and direction of rotation of said motor.

2,423,229

AUTOMATIC TUNING CONTROL AND INDICATION FOR FREQUENCY SHIFT SYSTEMS

Murray G. Crosby, Riverhead, N. Y., assignor to Press Wireless, Inc., New York, N. Y., a corporation of Delaware

Application July 21, 1945, Serial No. 606,437
10 Claims. (Cl. 250—8)



1. A frequency discriminator arrangement comprising a plurality of networks each of which has a different response characteristic relating input frequency to output voltage, and means to combine said networks to provide an overall response characteristic which is different from that of each network individually and has a plurality of cross-over points with the zero voltage axis.

2,423,230

PROCESS OF MAKING A WATER DISPERSIBLE COATING VEHICLE

George E. Ellerman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application December 10, 1943, Serial No. 513,727
2 Claims. (Cl. 106—82)

1. A process of preparing a resin composition capable of forming a non-skinning emulsion in water, which process comprises neutralizing with sodium silicate and ammonia the adduct of maleic anhydride and a glyceride drying oil, the anhydride rings of said adduct being opened before neutralization.

2,423,231

REFRACTORY CEMENTS AND PROCESSES FOR THEIR PREPARATION

Robert Esnault-Pelterie, Geneva, Switzerland, assignor to AGEV Aktiengesellschaft für Erfindungsverwertung, Vaduz, Liechtenstein (Principedom of Liechtenstein), a corporation of the Principedom of Liechtenstein.

No Drawing. Application April 4, 1945, Serial No. 586,635. In Switzerland April 27, 1944
2 Claims. (Cl. 106—65)

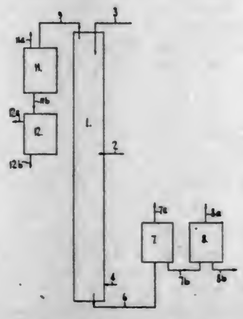
1. A refractory cement consisting of a mixture of kaolin and potassium silicate in such molecular proportions that it substantially corresponds to the formula $K_2O.Al_2O_3.3SiO_2$.

2,423,232

FRACTIONATION OF TALL OIL

Stephen E. Freeman, Pittsburgh, Pa., and Stewart W. Gloyer, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application December 27, 1945, Serial No. 637,432
17 Claims. (Cl. 260—97.5)



1. A process of separating rosin acids from tall oil comprising preferentially esterifying the fatty acids in tall oil with an open chain alcohol containing 1 to 5 carbon atoms and consisting of carbon, hydrogen and oxygen, then extracting off a concentrate of the rosin acids by contacting the ester mixture simultaneously with naphtha and a polar solvent immiscible with naphtha to obtain two liquid phases, one comprising naphtha containing in solution a concentrate of the fatty acid esters and a minor portion of rosin acids, the other phase comprising polar solvent containing in solution a concentrate of rosin acids containing a minor amount of fatty acid esters, separating the solutions and recovering the solvents.

2,423,233

PROCESS FOR PRESERVING EGGS FOR EDIBLE CONSUMPTION

Ernest M. Funk, Columbia, Mo.

No Drawing. Application August 20, 1942, Serial No. 455,460
3 Claims. (Cl. 99—161)

1. A process for preservation of shell eggs, comprising subjecting such eggs to a fluid at an elevated temperature, said temperature being within a range of about 110°–140° F. and the time of treatment being restricted to a period of about five to about forty minutes, so that pasteurization is substantially accomplished while the edible and whipping qualities are retained for a period several times as long as an untreated fresh shell egg, the alubmen is preserved in thick but perceptibly unclouded condition and any potential embryonic development is arrested.

2,423,234

PREPARATION OF TETRAHYDROPHTHALIC ANHYDRIDES

Howard L. Gerhart and Leon M. Adams, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

No Drawing. Application December 24, 1942, Serial No. 470,028
6 Claims. (Cl. 260—342.4)

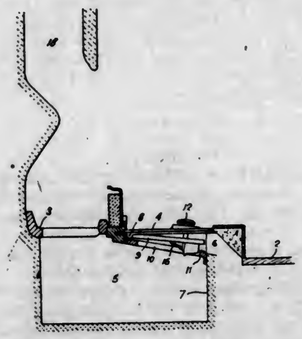
1. A method of preparing cis-3,6-endomethylene, delta 4 tetrahydrophthalic anhydride, which comprises heating to a temperature of about 180 to 200° C. a mixture of dicyclopentadiene and maleic anhydride in a common inert organic solvent in an autoclave for about 30 to 60 minutes.

2,423,235

OPEN FIREPLACE INSTALLATION

John Sherwood Hales, Kingston-on-Thames, Edmund Murphy, London, and Lawrence MacDonald, Ewell, England, assignors to C. U. R. A. Patents Limited, London, England

Application March 8, 1944, Serial No. 525,576
In Great Britain February 8, 1943
2 Claims. (Cl. 126—120)



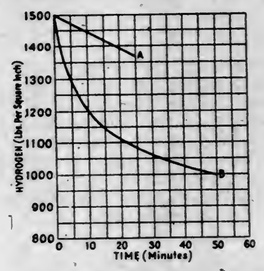
1. An open fireplace installation comprising, air supply means for the supply of air for combustion from outside the room to be heated by the fire, a grate the underside of which receives combustion air entirely from the said air supply means, a chimney disposed above the grate for the removal of products of combustion, a member having an outlet communicating with the said air supply means and so situated in front of and near the grate as to enable air from the said air supply means to pass into the room and thence into the chimney, and valve means provided in the said air supply means for varying the supply of air to the underside of the grate and to said outlet in such manner that when the supply of air to the underside of the grate is reduced the supply of air to the said outlet is increased and vice versa.

2,423,236

METHOD OF TREATING TALL OIL

James Harwood, Western Springs, and Evan Francis Binkerd, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

Application February 17, 1944, Serial No. 522,754
6 Claims. (Cl. 260—97.5)



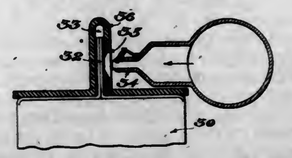
1. A process for producing hydrogenated tall oil acids comprising treating tall oil acids with an alkaline material in an amount insufficient to saponify more than 5% of said acids, and hydrogenating the tall oil acids so treated.

2,423,237

METHOD OF HEAT SEALING

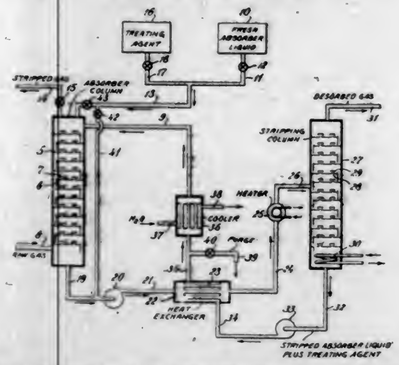
Alfred B. Haslacher, New York, N. Y.

Application November 1, 1941, Serial No. 417,566
6 Claims. (Cl. 154—42)



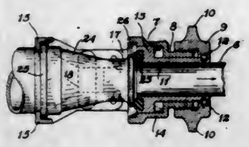
4. A process of forming hermetic heat seals which comprises superimposing predetermined areas of flexible sheet material suitable for packaging, at least the meeting surfaces of which are thermoplastic; directing a current of warm gas against at least one exterior surface of said predetermined areas to bring said thermoplastic surfaces to their temperature of fusion but below the melting point of such surfaces, the velocity of said current being sufficiently high so that its component normal to said exterior surface will exert an impact pressure sufficient to seal said meeting surfaces together; and supporting said predetermined area against the kinetic energy of said current to cause said impact pressure to be exerted.

2,423,238
PRODUCTION OF GASEOUS HYDROCARBON PRODUCTS FREE FROM VOLATILE SULFHUR COMPOUNDS
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1945, Serial No. 576,690
7 Claims. (Cl. 23—3)



1. The method of recovering from hydrocarbon gases and vapors, a product free from hydrogen sulfide, mercaptans and disulfides, which comprises absorbing the hydrocarbon gases and vapors in an absorbing oil, treating the absorbing oil with an oil-soluble cuprous compound and vaporizing from the solution and recovering the absorbed hydrocarbon gases and vapors free from the aforesaid sulfur compounds.

2,423,239
NOZZLE ADAPTER
Earl J. Housekeeper, Wooster, Ohio, assignor to The Wooster Brass Company, Wooster, Ohio, a corporation of Ohio
Application April 22, 1946, Serial No. 664,049
7 Claims. (Cl. 285—171)



6. An adaptor for connecting an extension pipe to a hose nozzle including a body member, a thrust sleeve connected to the extension pipe slidably mounted in said body member, means for manually moving the sleeve longitudinally of the body member, and a pair of jaws pivotally connected together for clamping a nozzle with its front end abutting the rear end of said sleeve, said jaws being mounted on the rear end of said body member for limited rearward movement during their pivotal closing movement.

2,423,240
METHOD FOR RETAINING THE RADIOACTIVITY OF LIQUIDS INTENDED FOR INJECTIONS
Stéfan Klinghoffer, Paris, France; vested in the Attorney General of the United States
Application January 13, 1939, Serial No. 250,746
In France January 15, 1938
2 Claims. (Cl. 128—1.2)

1. In a closed ampoule of the type having at least one tapered point and containing a radioactivated injection liquid, an insoluble body of radon producing substance secured within the interior of the ampoule in contact with the liquid



for activating the liquid, said body being proportioned in size and radon producing capacity to substantially permanently maintain the radon activity of the injection fluid constant.

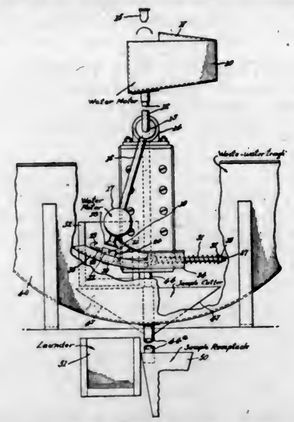
2,423,241
AIR DISTRIBUTING DUCT, INCLUDING A DAMPER MEANS
Franz J. Kurth, Friedrich Honerkamp, and Herbert K. Kunen, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application June 5, 1943, Serial No. 489,826
5 Claims. (Cl. 98—40)



1. Ventilating apparatus comprising an air supply duct having therein a plurality of air outlet openings arranged in rows spaced apart transversely of the duct and extending longitudinally therealong, means to cause the air streams discharged from the duct through the openings of the respective rows to flow from the duct in diverging relationship to each other transversely with respect to the duct, a slide-piece individual to and alined with each row of said openings and having therein a row of openings corresponding in number and spaced apart relationship to the openings of the related row in the duct, and means mounting each slide-piece against the duct for longitudinal sliding movement relative thereto to aline and disaline its openings with and from the openings of the related row in the duct, thereby to vary the effective areas of the latter openings.

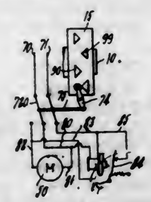
2,423,242
AUTOMATIC SAMPLING APPARATUS
Vincent C. Lorenz, Anaconda, Mont., assignor of one-fourth to Charles W. Morse, Anaconda, Mont.
Application November 22, 1943, Serial No. 511,334
12 Claims. (Cl. 73—423)

1. In combination with a movable sample cutter, a shaft coupled to drive said sample cutter, rigid arms fixed to said shaft at greater than 90° but less than 180° apart, a correlative water bucket and weight couple mounted for revolution in unstable equilibrium, said water bucket affixed to one arm, said weight affixed to the other arm, means to supply the bucket with liquid, a deformable resilient member against which the weight is adapted to rest in normal position, a foot carried around with the weight in a path intersecting the normal position of said member



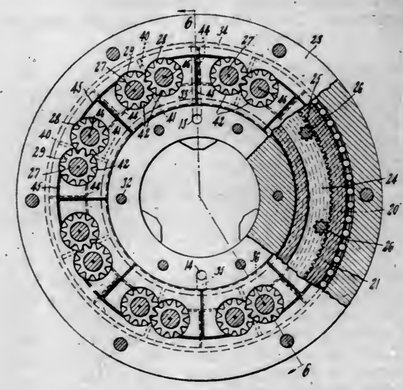
for depressing the member out of the path of the revolving weight, a weight check normally biased to inoperative position and movable into the path of said foot, and means for so moving said check and constructed and arranged for cooperating with said member to be operated by the member when deformed.

2,423,243
TWO-SPEED DRIVE MECHANISM
John E. Lovely, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application June 28, 1943, Serial No. 492,513
4 Claims. (Cl. 172—239)



4. A two-speed drive mechanism including a driven member, a low speed drive mechanism, connections including an over-running clutch between said drive mechanism and driven member allowing said driven member to be driven at a faster rate than the rate when driven by said low speed drive mechanism, a reversible motor, connections between said motor and driven member including an over-running clutch causing said driven member to be driven by said motor in the same direction as by said low speed drive mechanism but at a faster rate when said motor is turning in one direction, a friction drive between said motor and member independent of said over-running high speed clutch acting as a brake to the rotation of said driven member when said motor is running at a speed lower than sufficient to rotate said driven member, and rotating said motor from said low speed drive when said motor is de-energized, and motor controlling mechanism including a forward and reverse switch, and means for actuating said switch to forward motor position to change from low to high speed drive of said driven member, and to first actuate said switch to reverse drive to quickly slow said driven member through friction drive to said motor and then to open said switch to change from high speed motor drive to low speed drive by said low speed drive mechanism, said switch actuating means including a time delay device for controlling the time during which said switch is in reverse position.

2,423,244
POWER-OPERATED CHUCK
John E. Lovely, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application January 28, 1944, Serial No. 520,005
6 Claims. (Cl. 279—4)

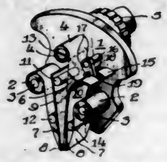


4. A chuck, comprising three plates secured together in face to face relation, the intermediate plate having housing openings therethrough for a plurality of pairs of intermeshing gears of rotary fluid pressure motors, said gears having shafts journaled for rotation in the others of said plates, said other plates having annular grooves in their faces facing said intermediate plate, one of said grooves being outwardly of said openings and the other of said grooves being inwardly of said openings, said other plates having passages leading from said grooves to said openings at opposite sides of the meshing portions of the gears in said openings, one of said gear shafts of each pair having a pinion, a main gear with which all of said pinions mesh, said chuck having work-engaging jaws movable to clamp or release work, operative connections between said jaws and main gear causing rotation of said main gear in one or the other direction to close or open said jaws, and means for selectively supplying and withdrawing fluid from said annular grooves.

2,423,245
METHOD OF AND DEVICE FOR EXTRACTING HAIRS BY USING ADHESIVE TAPE
Carl E. Magnus and Louise L. Magnus, Chicago, Ill.
Application November 9, 1946, Serial No. 708,874
12 Claims. (Cl. 128—355)

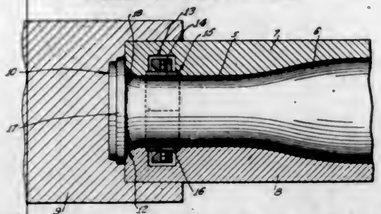
1. A device for extracting superfluous hairs, comprising a support, a pair of rolls of adhesive tape mounted on the support, means for withdrawing the tape from the rolls, spring blades so disposed on the support as to provide a line con-

tact at one end thereof, means directing the tape from the rolls over this end of the blades and with



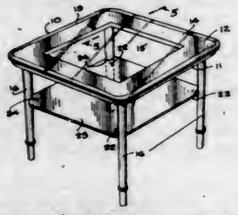
the adhesive surfaces on the tapes joined thereat to grip therebetween the hairs to be extracted.

2,423,246
METHOD OF MAKING BEARING BUSHINGS ON MOLDED BLADES
Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 14, 1944, Serial No. 540,296
4 Claims. (Cl. 18—55)



1. The method of making a propeller blade, which comprises forming a blank including a substantially cylindrical shank of moldable material, placing a multi-part shield around a part of said shank at a point spaced from the end thereof, placing a bearing about said shield, placing about said shank and said bearing a mold having a molding cavity and an additional annular cavity to accommodate said bearing, and molding the end portion of said shank in said molding cavity to form an abutment for engagement with said bearing.

2,423,247
TABLE CONSTRUCTION
William H. McDonald, Bloomington, Ind., assignor to The Nurre Companies, Inc., Bloomington, Ind., a corporation of Indiana
Application April 6, 1944, Serial No. 529,701
6 Claims. (Cl. 311—106)



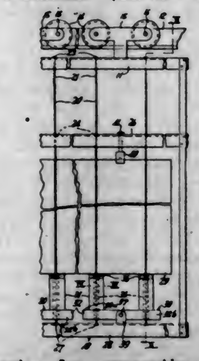
6. A table top assembly comprising a top glass panel and an underlying supporting frame for the panel, said frame being of open construction and having a flat upper surface for flatwise disposition marginally against said glass panel, and adhesive means for permanently securing said marginal portion of the glass panel to said frame, the said marginal portion of the glass panel being treated to render it reflective and to conceal from top view the underlying supporting frame, the central area of the said top glass panel being transparent in contrast with the opaque, reflective marginal portion thereof, and a second glass panel supported by said underlying frame in close relation to said top glass panel, said second glass panel being coextensive in size and shape with the central transparent area of the top glass panel.

2,423,248
FRONT DRIVE TOY VEHICLE
Alexander J. Middler, Detroit, Mich.
Application April 28, 1945, Serial No. 590,897
6 Claims. (Cl. 280—1.19)



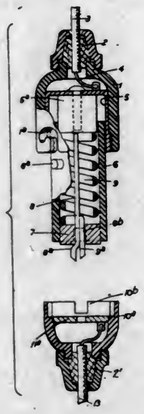
1. A toy horse comprising a body, two rear wheels and a front wheel supporting said body, a fork pivotally secured to said body for horizontal rotation and straddling said front wheel, a beam in which the axle of said front wheel is secured having stirrups on one end thereof and pivotally connected to said fork at its other end, said beam acting as a lever by which said body and said fork may be elevated with respect to said front wheel when a rider imposes his weight on said stirrups, an extension on said fork having a substantially horizontal slot therein, a pin mounted eccentrically on said front wheel having a roller rotatable thereon and engaging said slot, said slot and said roller causing said wheel to roll through one half revolution during the imposition of the weight of the rider on said stirrups, said slot and said roller causing said wheel to complete a full revolution when the rider relieves his weight from said stirrups and imposes his weight on said body and on said fork.

2,423,249
GLASS SUPPORTING CARRIAGE
Gerald Z. Minton and Lloyd V. Black, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application December 27, 1943, Serial No. 515,710
6 Claims. (Cl. 49—45)



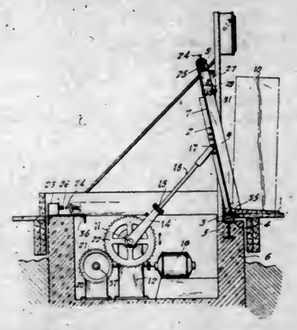
1. In a device for supporting sheet glass, a frame including spaced upper and lower frame members, pairs of wires suspended from the upper to the lower frame members, the wires of each pair being parallel for embracing the sheet glass on its opposite sides, a support stationary on the lower frame member and spaced from the wires, and a bar having an intermediate pivotal connection securing it on said support, said bar having upright supports on opposite sides of said pivotal connection for supporting the sheet glass along its lower edge between the wires of said pairs.

2,423,250
ELECTRICAL PLUG AND SOCKET SPRING CONTACT OR CONNECTOR
Henry John Modrey, London, England, assignor to Modrey Patents Corporation, Essex County, N. J., a corporation of New Jersey
Application May 20, 1943, Serial No. 487,761
In Great Britain May 27, 1942
11 Claims. (Cl. 173—328)



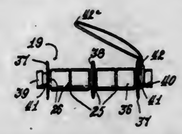
1. In an electrical connector, the combination of an insulator socket having therein a conducting plate with a hole therethrough, and of an insulator plug for insertion in said socket; said plug including an end wall member having an opening therethrough in substantial alinement with the hole in said plate when the plug is inserted in the socket, a relatively rigid electrically conductive clamping rod slidable in said opening and having a clamping head outside said wall member, an electric conductor connected with said plate, a second electric conductor in permanent metallic connection with said rod; spring means normally retaining said clamping rod in withdrawn position with said clamping head seated against the exterior of said wall member, wedge means biased by the spring means on said plug preventing passage of said clamping head through said hole when the plug is inserted in the socket with the clamping head penetrating through and seated against said conducting plate, and means for applying pressure manually to said clamping rod to slide said rod with its clamping head into a position relative to the wedge means in which the joint cross-section of the rod and the wedge means is smaller than the cross-section of the hole for passage through said hole, said clamping head being held against withdrawal through said hole by said wedge means upon release of the manually applied pressure.

2,423,251
ICE BLOCK UPENDING MACHINE
Peter H. Muller, Hillside Township, Union County, N. J.
Application September 21, 1944, Serial No. 555,185
5 Claims. (Cl. 214—1)



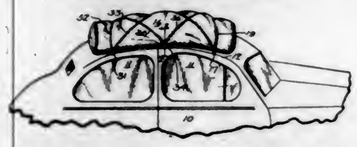
1. In an ice up-ending machine, the combination with a horizontal runway for ice cakes having an opening therein, of a table to lie normally horizontally in said opening in approximately a common plane with said runway to receive ice cakes from the latter, said table being pivoted near one end thereof to swing in a vertical plane, a crank beneath said table to rotate in a plane parallel with the plane of movement of said table, a link pivotally connected at opposite ends to said crank and said table, said crank, said link and said table being so related that the table is swung upwardly from its horizontal position through an arc of about 90 degrees during 180 degrees revolution of said crank, and driving means below said runway and said table for rotating said crank.

2,423,252
APPARATUS FOR DRESSING AND DRYING HAIR
Otto R. Nemeth, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc., a corporation of Illinois
Application October 7, 1944, Serial No. 557,689
6 Claims. (Cl. 132—33)



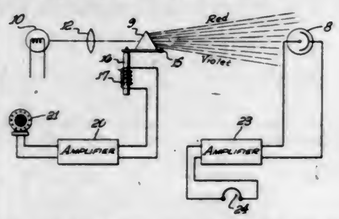
4. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, a boss on the closed end of said body, a nipple on the other end of said body in communication with the interior thereof, a plurality of circumferential grooves in the outside surface of the body spaced apart longitudinally between said flanges, a plurality of ports in said body communicating with the interior of the body and opening into the circumferential grooves, an elastic strand to secure a tress of hair wound upon said body portions against undwinding, and a circumferential groove in said boss and in said nipple to each receive an end portion of the strand to retain it in place on the curling device.

2,423,253
LUGGAGE FASTENER
Walter J. Potts, Collingswood, and Howard S. Dalrymple, Woodlynne, N. J.
Application November 27, 1945, Serial No. 631,089
4 Claims. (Cl. 224—29)



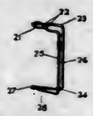
1. An automobile luggage fastener for use on the roof of an automobile consisting of two sets of hooks spaced along the respective edges of the roof of the car and engaging under the roof ledge, with their shanks extending diagonally upwards and towards the middle of the roof, links movably engaging on the ends of the shanks and having eye portions, the length of the shanks being sufficient to permit the links to clear the roof and to prevent displacement of the shanks by contact between the links and the roof, and the links being free to deflect angularly entirely out of contact with the roof, and ropes cross-connecting between the eyes of the links on respective hooks at opposite edges of the roof.

2,423,254
FREQUENCY MODULATION LIGHT BEAM TRANSMISSION
Michael Rettinger, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application August 25, 1944, Serial No. 551,120
10 Claims. (Cl. 250—7)



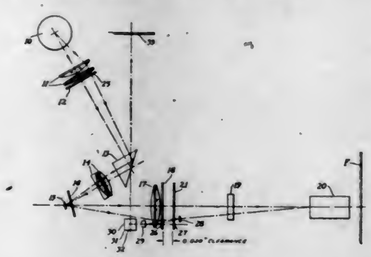
1. In a light beam transmission system, a source of white light, means for obtaining a complete spectrum of said light, and means for varying the position of said spectrum in accordance with the amplitude of the signal to be transmitted, said last mentioned means also varying the rate of change in position of said spectrum in accordance with the frequency of said signal.

2,423,255
CLIP FOR HOLDING DETONATORS IN BLASTING CARTRIDGES
Fritz Hermann Rolfes, Johannesburg, Transvaal, Union of South Africa
Application June 29, 1943, Serial No. 492,740
1 Claim. (Cl. 102—27)



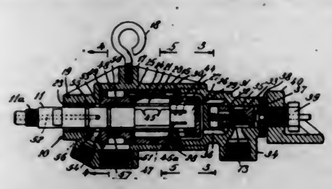
A detonator clip including a single length of wire bent substantially centrally of that length to form an eye to embrace the fuse immediately beyond the detonator, then reduced in diameter to provide a restricted neck, then projected laterally in the plane of the eye, and downwardly to overlie the detonator, the lateral portions being formed in spaced strands, the terminals of the strands remote from the eye being bent laterally and terminally arranged to provide a piercing point to enter a cartridge, the spaced strands of the part overlying the detonator providing a means whereby the diameter of the neck may be reduced by moving the strands toward one another to insure more secure fixing of the clip in position on the fuse.

2,423,256
MONITORING SYSTEM FOR OPTICAL SOUND RECORDING
Lawrence T. Sachtleben, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1943, Serial No. 515,219
15 Claims. (Cl. 179—100.3)



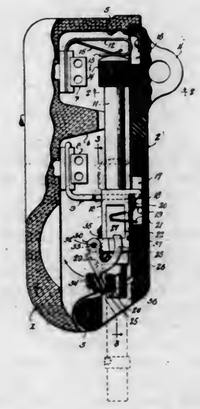
1. A sound recording optical system including an aperture plate having an aperture therein, a slit plate having a narrow slit therein, a galvanometer adapted to move an image of the aperture in the aperture plate over the slit in the slit plate in accordance with the recorded sound, a narrow additional aperture in the aperture plate of which an image is moved over the slit plate by the galvanometer, and an aperture in the slit plate through which the image of the narrow aperture is transmitted through the slit plate.

2,423,257
FLUID OPERATED TUBE CLEANER WITH FLUSHING MEANS
Donald Edward Schott, Flushing, N. Y., and Daniel H. Crepeau, East Braintree, Mass., assignors to Thomas C. Wilson, Inc., Long Island City, N. Y., a corporation of New York
Application May 1, 1943, Serial No. 485,390
1 Claim. (Cl. 15—104.10)



In a tube cleaning apparatus, a motor comprising a casing, a rotor within the casing, a spindle connected to one end of the rotor and extending out of the casing, a chamber within the casing surrounding the spindle between the rotor and the free end of the spindle, a passage through the spindle from the chamber through the free end of the spindle, means for supplying fluid to the chamber to escape through the passage, a pair of channels within the casing encircling the spindle on opposite sides of the chamber for collecting fluid which may escape from the chamber along the spindle, and an exhaust passage communicating with the channels.

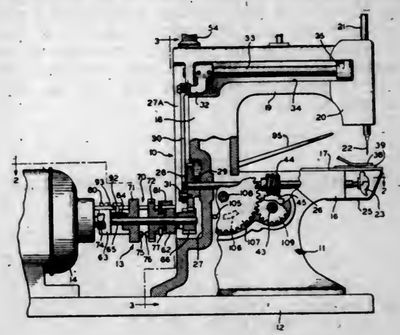
2,423,258
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 24, 1934, Serial No. 727,250
48 Claims. (Cl. 200—114)



1. A fuse construction comprising a stationary supporting means having stationary contacts, a fuse tube slidably supported from said stationary means and having spaced contacts normally electrically connected to said stationary contacts, said fuse tube being biased towards bodily sliding motion to separate at least one of the spaced contacts of the fuse tube from the corresponding stationary contact, a fuse link within said fuse tube electrically joining said spaced contacts, and means controlled by said fuse link for restraining said fuse tube against sliding motion.

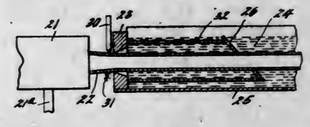
2,423,259
SEWING MACHINE
Edward N. Simmons, Chicago, Ill., assignor to Simmons Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 1, 1945, Serial No. 570,884
9 Claims. (Cl. 112—67)

7. In a sewing machine a main frame, stitch-forming mechanism mounted on said frame, means for operating said stitch-forming mechanism including an operating shaft mounted in said frame, shiftable work holding means mounted on said main frame, means driven from said operating shaft for shifting said work holding means, a driving unit for said machine comprising a bracket detachably mounted in predetermined position on the exterior of said frame adjacent to said operating shaft, a drive shaft mounted in said bracket and having means thereon arranged to drivingly associate said drive shaft and said operating shaft when said bracket is mounted in said position on said frame, clutch means mounted on said drive shaft, stop means mounted on said bracket and operable to stop said drive shaft in a predetermined rotative position, a control member shiftably mounted on said bracket and operatively associated with said driving clutch and said stop means and having a clutch-engaging position wherein said clutch is



engaged and said stop means are disengaged and having a clutch-disengaging position wherein said clutch is disengaged and said stop means are engaged, a latch mounted on said bracket for holding said control member in clutch-engaging position, and means mounted on said frame and driven by said operating shaft and operable to disengage said latch after said stitch-forming mechanism has completed a predetermined number of stitches.

2,423,260
EXTRUSION OF TUBING
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application December 29, 1944, Serial No. 570,371
17 Claims. (Cl. 18—14)



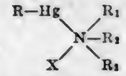
1. In apparatus for the fabrication of rigid tubing by drawing operations from die extruded hot resinous thermoplastic, in combination, a preliminary draw plate and final draw means spaced therefrom to give the exact external shape desired in the finished tubing, said final draw means including a plate having a pressure exerting face which contacts a portion only of the tube periphery and thereby exerts shaping pressure against only a portion of the tube periphery.

12. In a method of fabricating rigid tubing, the steps which include extruding hot resinous thermoplastic tubing having a wall thickness that becomes self-sustaining when cooled, supporting said tubing internally by fluid pressure, and drawing said tubing while still relatively plastic from the extrusion step through final draw means which contacts a portion only of the tube periphery and thereby exerts shaping pressure against only a portion of the tube periphery.

2,423,261
GERMICIDAL PRODUCT AND METHOD OF PRODUCING SAME
Frank J. Sowa, Cranford, N. J.
No Drawing. Application June 4, 1943, Serial No. 489,707
1 Claim. (Cl. 117—138.5)

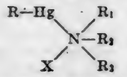
The method of incorporating diphenyl mercury as a bacteriostatic and fungistatic agent in a textile product which comprises the steps of applying to said textile product an aqueous solution containing the reaction product of a phenyl mercury salt and triethanolamine and thereafter decomposing the resulting reaction product by heating to a temperature not exceeding about 350° F. to produce diphenyl mercury in situ in the textile product.

2,423,262
COMPOUNDS HAVING THE FORMULA



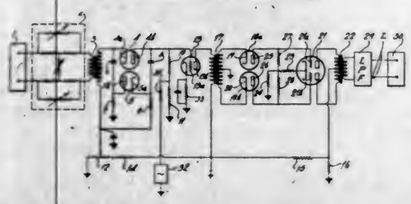
Frank J. Sowa, Cranford, N. J.
No Drawing. Application August 28, 1943, Serial No. 500,449
21 Claims. (Cl. 260—434)

1. A water soluble germicidal and fungicidal compound having the composition represented by the formula



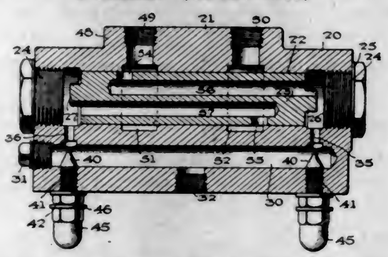
in which R is a cyclic non alicyclic group containing a carbon atom to which the mercury is attached, R_1 is a hydroxyalkyl group, R_2 and R_3 are selected from the group consisting of hydrogen, alkyl, and hydroxyalkyl, and X is an anion.

2,423,263
SIGNAL PEAK LIMITER
Robert M. Sprague, Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Original application December 30, 1941, Serial No. 424,946. Divided and this application March 26, 1943, Serial No. 480,618
4 Claims. (Cl. 178—44)



1. A signal peak limiter comprising a pair of diodes, a pair of grid-controlled amplifiers, a signal input circuit, means connecting said diodes to said input circuit for full wave rectification, a pair of load resistors connected in series across the plates of said diodes, a diode biasing resistor connected from the junction point of said load resistors to the midpoint of said input circuit, another bias resistor for said amplifiers connected between said junction point and the cathodes of said amplifiers, said bias resistors being proportioned with respect to each other so as to bias the anodes of the diodes and the grids of the amplifiers substantially equally but opposite in sign so that peak limitation will occur on substantially the same voltage for positive half waves applied to one diode as for negative half waves applied to the other diode.

2,423,264
EQUALIZING VALVE
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application April 28, 1943, Serial No. 484,891
6 Claims. (Cl. 137—165)



6. A valve including a housing, a chamber therein having a port through the housing wall, a valve cylinder, flow metering means connecting opposite ends of said cylinder respectively to said chamber, a piston in said cylinder having limited longitudinal movement therein without restricting flow through said metering means, a separate longitudinal passage extending from each end of the piston toward but not through the opposite end, a port connecting each passage near its closed end to the surface of the piston, an annular enlargement in the cylinder wall for registry with each piston port in the central position of the piston, each enlargement being connected to a port leading externally of the valve, each piston port being constructed and arranged for adjustable overlapping with the cylinder wall adjacent the corresponding annular enlargement on the side opposite from the end of the piston to which it is connected.

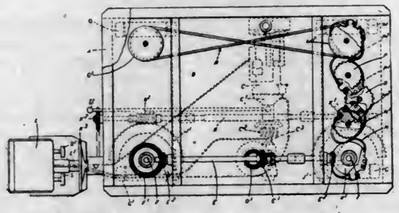
2,423,265
VENDING MACHINE
James E. Stewart, Rye, N. Y., assignor to The Rotomat Corporation, a corporation of Rhode Island
Application June 16, 1943, Serial No. 490,995
12 Claims. (Cl. 312—97.1)



4. In a vending machine for packages or containers, a round casing, a vertical shaft centrally

located therein, a thrust bearing rigidly supported on said shaft, a disc-like shelf rotatably carried on said shaft and supported by said thrust bearing and adapted to support a plurality of said containers, a discharge exit, a fixed plate secured within said casing in spaced parallel relation above said shelf, a spiral member secured in depending relation to said plate and having its lower edges clearing said shelf, said member and said shelf conjointly forming a spiral guideway for said containers, the outer extremity of said guideway terminating at said delivery exit, a spring drum journaled on said shaft and secured to said shelf, a spiral spring within said drum with its inner end secured to said shaft and its outer end secured to said drum for urging said shelf in a direction in which the radius vector of the spiral member increases.

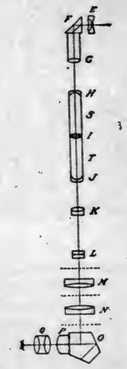
2,423,266
SELF-PROPELLED VEHICLE
Antony Scott Stokes, Ipswich, England, assignor to Ransomes & Rapier Limited, Ipswich, England, a company of Great Britain
Application September 18, 1944, Serial No. 554,707
In Great Britain July 20, 1943
5 Claims. (Cl. 180—42)



1. A trolley comprising a substantially rectangular chassis or platform supported at each end upon a pair of steered road wheels, operative connections between the road wheels for imparting appropriate steering movements to the two wheels at one end of the trolley and in the same direction and to maintain their axes meeting at approximately the centre of turning of the vehicle, similar steering movements in the opposite rotational direction to the two wheels at the other end of the trolley, a single power unit and a positive driving connection between this unit and the front and rear wheels on one side only of the trolley such that these two wheels only are driven and at the same speed as one another.

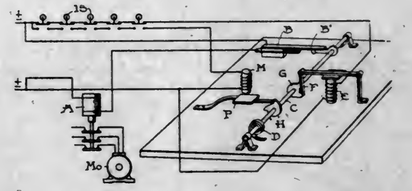
2,423,267
OPTICAL SYSTEM FOR PERISCOPES
John Martin Strang, Glasgow, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland
Application July 14, 1944, Serial No. 544,844
In Great Britain June 30, 1941
2 Claims. (Cl. 88—57)

1. An optical system for a submarine periscope comprising head reflecting prism means and an objective both adjacent the entrance face, elbow prism means and an eyepiece both adjacent the exit face, an elongated optical system of relatively small diameter including a first complete telescope system associated with the exit face of the periscope and comprising a plurality of optical elements spaced axially apart, and a second complete telescope system associated with the entrance face of the periscope and arranged in axial alignment with the first telescope system and operatively spaced apart therefrom, said second telescope comprising an object lens, a field lens, and an eye lens spaced axially apart in succession, an elongated glass body separating the eye and field lenses and abutting therebetween and another elongated glass body separating the field and object lenses and abutting therebetween, the ends of the said glass bodies being ground and polished to conform to the abutting surfaces of said lenses, and means for retaining said lenses



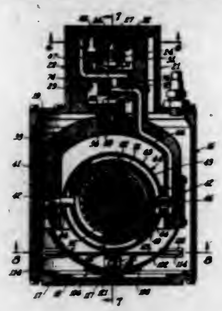
and glass bodies securely together thereby forming a complete composite telescope system in which there is an uninterrupted passage for light from entrance to exit face of the system through glass; whereby loss of light due to air/glass transmission in said telescope is obviated and the distance between entrance and exit faces of the periscope optical system is increased due to refraction in said elongated glass bodies.

2,423,268
DOUBLE-CHECKING MOLDING PRESS
William Strauss, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,363
16 Claims. (Cl. 192—125)



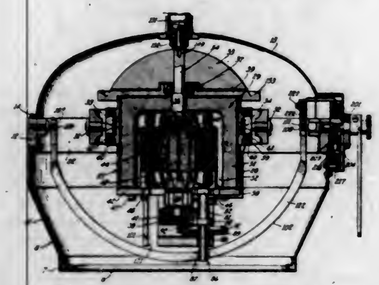
1. A device for checking the operation of a molding press having a plurality of mold elements arranged in parallel columns and rows, said device comprising a plurality of feeler elements arranged in a row parallel with the rows of mold elements, one feeler being arranged in line with each column of mold elements, means for producing relative movement between said mold elements and said feelers in a direction parallel with said columns, a relay for stopping said press, means controlled by any of said feelers upon detecting a molded article carried on any of said mold elements tending to operate said relay to stop said press, and means dependent upon the joint control of all of said feeler elements upon detecting molded articles carried by all of the mold elements in any given row for preventing operation of said stopping relay.

2,423,269
GYROSCOPIC ATTITUDE INDICATING INSTRUMENT
Thomas O. Summers, Jr., Los Angeles, Calif.
Application September 9, 1942, Serial No. 457,730
5 Claims. (Cl. 33—204)



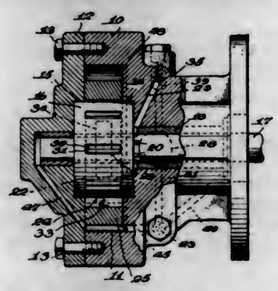
2. In an instrument for indicating spacial orientation, a casing, a gyroscope therein, a gimbal supporting said gyroscope for free rotary motion about mutually perpendicular horizontal axes, said axes respectively extending longitudinally and transversely of said casing, an indicator carried by said gyroscope in position offset longitudinally from said transverse axis whereby said indicator is displaced vertically with respect to said casing when said casing pitches, a second indicator affixed to said casing for conjoint indication with said first indicator, said second indicator being movable thereby with respect to said gyro-borne indicator to indicate pitching of said casing, said gyro-borne indicator being journaled on said gyroscope for tilting movement about a longitudinal axis, and means connecting said gyro-borne indicator to said casing to be tilted therewith about said longitudinal axis of said indicator, said connecting means comprising a magnet carried by said casing and disposed adjacent and parallel to the path of said gyro-borne indicator's vertical displacement and an armature carried by said gyro-borne indicator.

2,423,270
GYROSCOPIC CONTROL APPARATUS
Thomas O. Summers, Jr., Los Angeles, Calif.
Application March 31, 1943, Serial No. 481,198
22 Claims. (Cl. 74—5)



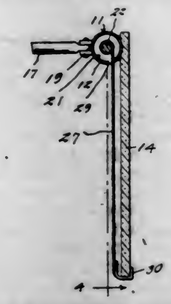
1. In a gyro-vertical, a gyroscope and independently mounted erecting means therefor comprising gravity influenced means operative during operation of said gyroscope for exerting torque thereupon in a direction perpendicular to the direction of displacement of the gyroscope from pre-selected position, said erecting means also exerting a torque against said gyroscope in a direction perpendicular to the plane including the axis of displacement of the gyroscope from said predetermined position during idle periods of said gyroscope.

2,423,271
ROTARY MOTOR, PUMP, AND THE LIKE
Frank A. Talbot, Baltimore, Md.
Application September 11, 1942, Serial No. 458,019
5 Claims. (Cl. 103—136)



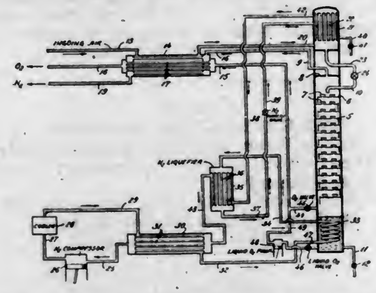
3. In a structure of the character described, a housing having an internal chamber, a rotatable shaft extending into said chamber and provided with splines, a substantially cylindrical rotor secured to said shaft and having grooves into which the splines extend, said rotor having closed ends with an internal chamber between them, at least some of said grooves being of greater depth than the splines which occupy them to provide a passageway through which a pressure fluid may be introduced into the internal chamber of the rotor, a circular track surrounding the rotor, said rotor being provided with radial slots, vanes slidably mounted in said slots and having their inner ends subject to pressure within said internal chamber and their outer ends in contact with said track, and fluid conducting passageways opening into said chamber at one end portion of said rotor and at diametrically opposite sides of said track.

2,423,272
COMBINED SPECTACLES AND FILTERS THEREFOR
Stuart R. Thornton, San Francisco, Calif.
Application June 14, 1944, Serial No. 540,235
1 Claim. (Cl. 88—41)



Spectacles comprising a bridge member, arms projecting outwardly from the ends of the bridge member and each being grooved at its underside, each end of the bridge member being formed with a socket, eyeglass lenses depending from the arms, rolls disposed longitudinally in the grooved arms and having pintles at their inner and outer ends, the inner pintles projecting into the sockets and being grooved, removable elements projecting into the sockets and into the grooves of the inner pintles, the outer pintles projecting through the outer ends of the arms and provided with finger engageable knobs, flexible shades windable on the rolls and provided at their outer ends with detent means for engaging the lower edges of the eyeglass lenses when said shades are fully extended to prevent retraction and hold shades in proper extended position with respect to the corresponding lenses.

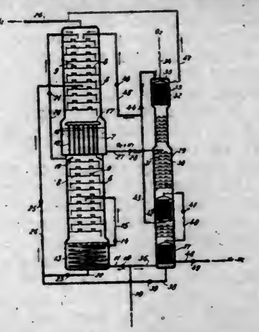
2,423,273
SEPARATION OF THE CONSTITUENTS OF AIR
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1943, Serial No. 512,556
1 Claim. (Cl. 62—175.5)



The method of separating the constituents of atmospheric air which comprises compressing the air to a relatively low pressure without contaminating the air with lubricating oil, maintaining a separate nitrogen cycle including compression of the nitrogen to relatively high pressure and liquefaction of the nitrogen by heat exchange with cold nitrogen vapors, liquefying the compressed air by heat exchange with liquid nitrogen, thereby vaporizing the nitrogen, and rectifying the liquid air to separate a liquid fraction consisting of oxygen.

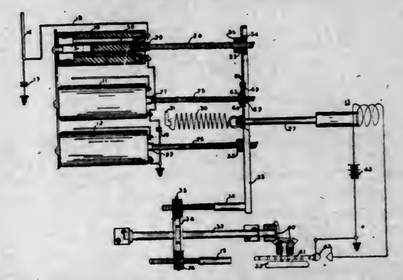
2,423,274
RECOVERY OF THE COMPONENTS OF AIR
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 6, 1945, Serial No. 603,556
1 Claim. (Cl. 62—175.5)

The method of recovering substantially pure oxygen and krypton-xenon simultaneously from the atmosphere by liquefaction and rectification of air, which comprises subjecting a portion of the air to a primary separation by liquefaction and rectification to produce a gaseous effluent consisting of nitrogen, components more volatile than nitrogen, and a substantial part of the argon present in the air and a liquid consisting principally of oxygen and krypton-xenon, subjecting the liquid to an auxiliary rectification followed by partial condensation of the gaseous effluent therefrom by heat exchange with liquid nitrogen to separate krypton-xenon as a liquid product, providing liquid nitrogen and enriched oxygen liquid by selective condensation of another portion of the air through heat exchange with the krypton-xenon liquid, utilizing a part of the liquid nitrogen so provided in the partial condensation



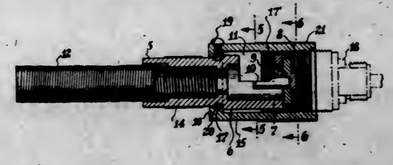
of the gaseous effluent from the auxiliary rectification and utilizing the remainder of the liquid nitrogen and the enriched oxygen liquid in the rectification step of the primary separation.

2,423,275
OPERATING MECHANISM
Clarence W. Wandrey, Elmwood Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 14, 1942, Serial No. 458,294
8 Claims. (Cl. 171—242)



1. In combination, a powdered iron core, a resilient element aligned substantially axially with said core and having one end affixed to said core, said resilient element comprising a resilient wire helically coiled so that its adjacent turns press together, whereby substantial axial forces applied to said core through said resilient element do not permanently change the length of said resilient element.

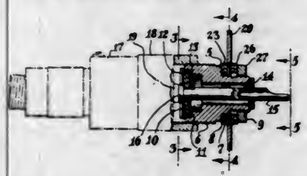
2,423,276
ROTATABLE ELECTRICAL CONNECTOR
Morton R. Weissman, West New York, N. J.
Application March 20, 1946, Serial No. 655,714
2 Claims. (Cl. 173—324)



1. An electrical connector of the character described comprising a body having a tubular por-

tion for receiving a conductor, another tubular portion forming an integral extension of said first-named tubular portion, said second-named tubular portion having a portion of its wall cut away, an insulating disc seated in one end of the tubular extension, said end of the tubular extension being peened over to secure said disc in position, a contact pin supported by said disc and extending inwardly and axially of the tubular extension, said pin having an enlarged end exteriorly of the disc, an integral semi-tubular lug formed on the inner end of said contact pin and having an open portion of its wall opening toward said cut-away portion to facilitate connection to the inner end of a conductor extending through said first-named tubular portion and an elongated tubular coupling nut rotatably and removably supported on the first-named tubular portion and forming an extension of said body, said nut when in normal operative condition enclosing said tubular extension and cut-out portion in opposed relation, said nut having an interiorly screw-threaded portion at one end for removably receiving a connector device in operative relation to the enlarged end of said contact pin.

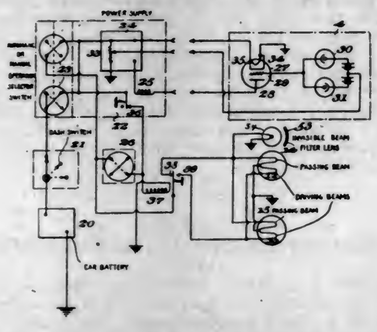
2,423,277
ELECTRICAL BUSHING TYPE CONNECTOR
Morton R. Weissman, West New York, N. J.
Application March 20, 1946, Serial No. 655,715
1 Claim. (Cl. 173—339)



The combination with a panel having an opening therein with notches in the inner periphery thereof, of an electrical connector of the character described comprising a tubular body portion having an externally screw threaded section at one end thereof, the opposite end of the body portion having a reduced portion with an externally screw threaded section, an insulating disc closing each end of said body portion, an elongated solid contact pin extending axially through said body portion and supported by said discs and having one end protruding externally of said reduced portion and an integral semi-tubular lug on said protruding end for connection to a conductor, a portion of the periphery of said reduced portion having a flat surface, extending through the opening in the panel, a washer member on said flat surface between the body portion and the panel, said washer member having a flat edge on its inner periphery for coaction with the flat surface on said reduced portion to prevent turning of said washer, oppositely disposed integral lugs on said washer member adapted to interlock with the notches in said panel opening for preventing turning of said tubular body and means for clamping the tubular body portion to the panel.

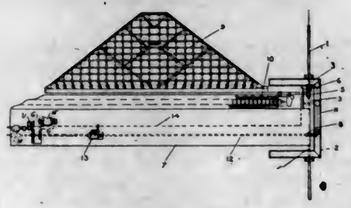
2,423,278
VEHICLE HEADLIGHT CONTROL SYSTEM
Floyd Willis, Jr., Dallas, Tex.
Application April 26, 1945, Serial No. 590,487
20 Claims. (Cl. 315—82)

1. In a vehicle headlight automatic controlling system for deflecting the visible radiations of the headlight beams of opposing oncoming vehicles, means on the vehicles for projecting a non-deflected beam of invisible radiations, means on one of the vehicles for projecting a non-deflected beam of visible radiations, and light sensitive



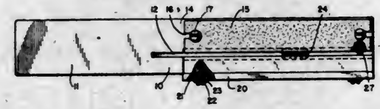
means on the vehicles, said light sensitive means being responsive to said invisible radiations to automatically deflect the projected beam of visible radiations while continuing to project the non-deflected beam of invisible radiations.

2,423,279
ORE RECLAIMING MACHINE
Louis Charles Wren, Dartford, England, assignor to The General Electric Company, Limited, London, England
Application December 29, 1944, Serial No. 570,343
In Great Britain October 20, 1943
8 Claims. (Cl. 214—10)



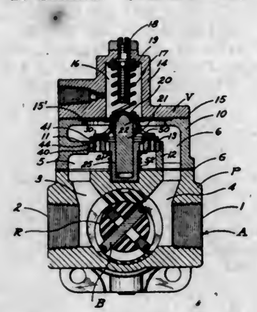
1. A machine for reclaiming ore or like material comprising a bridge carried at each end on a bogie adapted to run on a rail, a harrow carried by the bridge adapted to agitate the face of the pile against which the machine is adapted to operate, a transverse conveyor carried by and running along the length of the bridge adapted to deliver into a fixed conveyor by the side of the pile loosened material brought down by the harrow, and means carried by the bridge for driving the said bogies in either direction along the said rails, said machine being adapted to leave behind it a plane surface level with the bottom of the transverse conveyor from which an occasional lump or ridge projects and which prevent the machine from being moved back, wherein the said harrow and transverse conveyor are rotatable about a horizontal axis fixed relative to the said bogies and comprising rotating means for rotating the said harrow and transverse conveyor about the said axis so as to raise the bottom of the transverse conveyor above the position that it occupies in normal operation of the machine whereby to clear said lumps and ridges and allow the machine to be moved back after reclaiming ore.

2,423,280
PENCIL POINTER
Emil Yondorf, Chicago, Ill.
Application December 18, 1945, Serial No. 635,618
11 Claims. (Cl. 120—89)



1. A pencil pointer comprising an elongated base, an abrasive sheet on the latter inwardly of one side edge, and a guide along the other edge for resting the body of the pencil when its lead is positioned transversely over said abrasive sheet, said guide being a strip which is vertically adjustable.

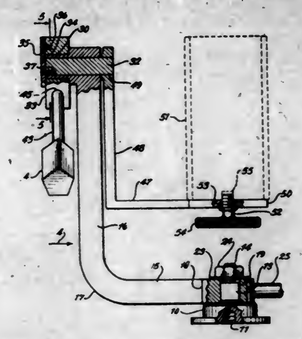
2,423,281
RELIEF VALVE
Leslie L. Aspelin, Elyria, Ohio, assignor to Romec Pump Company, Elyria, Ohio, a corporation of Ohio
Application December 2, 1943, Serial No. 512,552
10 Claims. (Cl. 277—61)



1. In a valve the combination of concentric radially spaced annular seats disposed in a plane normal to and coaxial with the axis of the valve, means obstructing the flow of fluid through said valve other than between said seats, a ring-like closure member coacting with said seats and movable axially in respect thereto, a dash pot having its wall parallel to the axis of the valve coaxial thereof, a stem received in said dash pot and movable axially thereof and guided by the wall thereof, perforate conically shaped means connecting said stem and said closure member, a flexible diaphragm overlying the end of said stem having an effective area closing the opening of said valve smaller than the area of the larger of said seats, and resilient means urging said diaphragm into operative contact with said stem and urging said closure member into contact with said seats.

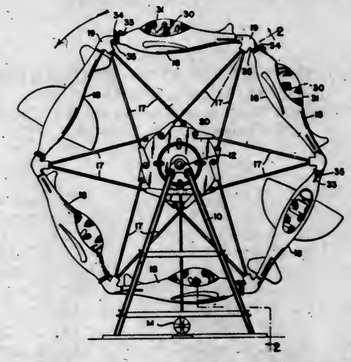
2,423,282
UNIVERSAL MOUNTING ATTACHMENT FOR CAMERAS
Gerard H. Aubey, Venice, Calif.
Application February 20, 1946, Serial No. 649,005
6 Claims. (Cl. 248—176)

1. A universal mounting attachment for cameras, comprising in combination, a base, an upwardly extending spigot on said base, a horizontal arm and a vertical arm defining an angle bracket, said spigot being connected adjacent to the free end of said horizontal arm, said bracket being rotatable in a vertical plane on said spigot, a transversely extending pin adjacent the upper end of said vertical arm, an off-set platform secured to said pin, said pin and said platform



being rotatable in a horizontal plane, a handle connected to said pin, means for releasably locking said handle and said bracket to prevent rotation thereof, and further means for attaching said camera to said platform.

2,423,283
AMUSEMENT DEVICE
Harold T. Austin, Seattle, Wash.
Application April 3, 1944, Serial No. 529,301
4 Claims. (Cl. 272—36)

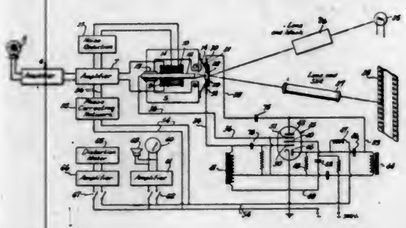


1. In an amusement device, comprising: means forming a wheel, person-carrying cars having their longitudinal axes lying on chords of said wheel, means adapting each car for rotation about its longitudinal axis in the plane of said wheel, and means inside of each car for controlling the rotation thereof.

2,423,284
INSECTICIDES
Francisco E. Babbini, Lima, Peru
No Drawing. Application July 17, 1945, Serial No. 605,625. In Peru February 2, 1943
5 Claims. (Cl. 167—24)

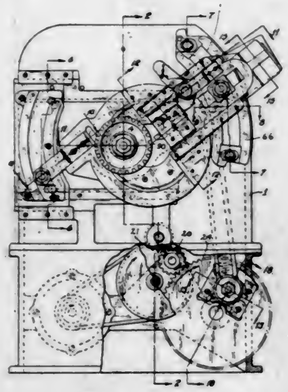
1. An insecticidal composition which contains in intimate admixture, capsicum as an irritant agent, sabadilla seed as a source of toxic veratrine and methyl crotonic acid, and a member selected from the group consisting of the sulfate, carbonate and hydrate of lime as an activator, said composition being effective against Dysdercus, aphis, roaches, lice, fleas and the like.

2,423,285
FREQUENCY MODULATION FEED-BACK CIRCUIT FOR SOUND RECORDING GALVANOMETERS
Alexis Badmaieff, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1944, Serial No. 565,439
8 Claims. (Cl. 179—100.3)



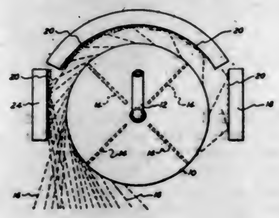
1. An electromechanical device comprising a vibratable armature, a mirror adapted to be oscillated by the vibrations of said armature, an oscillator-discriminator circuit, and means associated with said mirror and connected to said oscillator-discriminator for producing a voltage varying in accordance with the movements of said armature and said mirror, said means including a pair of condenser plates connected and functioning in push-pull relationship with the movements of said armature and mirror.

2,423,286
PROFILE GENERATING MECHANISM
James H. Barnes, Dayton, Ohio
Application June 9, 1941, Serial No. 397,171
9 Claims. (Cl. 90—3)



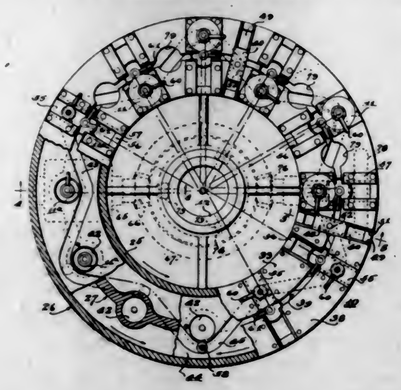
1. A device for generating a profile on a rolling power transmitting body, comprising means for supporting said body, a support swingable about an axis shiftable relative to said body, a shaping instrument mounted on said support and shiftable radially thereof, and cam means for shifting said axis as the support swings and for simultaneously shifting said instrument radially of said axis whereby a profile is generated on the said body by the shaping instrument.

2,423,287
METHOD AND ARTICLE FOR DEFLECTING MATERIAL
Eugene L. Beisel, Chicago, Ill.
Application June 18, 1945, Serial No. 600,203
2 Claims. (Cl. 51—9)



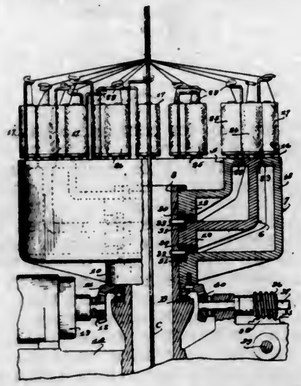
1. In a throwing machine for paramagnetic particles, a magnetized wear plate having a deflecting surface against which the particles are thrown and deflected toward a point of discharge, said plate being characterized by its ability to attract a protective film of particles to said surface.

2,423,288
BRAIDING MACHINE
Charles M. Bellg, Toledo, Ohio
Application June 6, 1945, Serial No. 597,847
7 Claims. (Cl. 87—43)



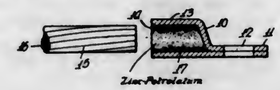
1. A braiding machine comprising a base member having a supporting column thereon, a turret mounted on said column for rotation about a vertical axis, said turret comprising inner and outer ring members together providing an upwardly facing surface having a continuous annular slot therein, slide members intermittently locking said rings for rotation together, a cam roll carried thereby, strand supply tube carriers on said surfaces mounted for radial sliding movement from one ring to the other across said slot, a cam roll on each carrier, an intermediate ring member mounted between said inner and outer rings, means responsive to rotation of said inner and outer rings for moving the intermediate ring in the opposite direction, a cam formed on said intermediate ring and engaging said cam rolls, strand supply tubes carried by said intermediate ring and arranged beneath said slot for movement in a circular path, strand stripping guides associated with each supply tube, and means for rotating said turret whereby relative movement of said intermediate ring and cam produces radial movement of said ring locks and said first named tube carriers alternately with the passage of each said second named supply tube therebeneath.

2,423,289
WIRE WRAPPING MACHINE
Charles M. Bellg, Toledo, Ohio
Application July 17, 1945, Serial No. 605,520
5 Claims. (Cl. 57—15)



1. In an apparatus for covering wire including a rotatable turret, a stationary column supporting said turret, said turret comprising a plurality of concentrically arranged ring-like members adapted for rotation independently of each other, each ring having a hub and supported by the ring next below, means operatively connecting said rings, and responsive to rotation of said lowermost ring for driving said ring in opposite directions, a series of strand carrying bobbins on each ring member, and means for rotating the turret.

2,423,290
ALUMINUM CONDUCTING SURFACE TREATMENT
Wilhelm Friedrich Bonwitt, Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application May 3, 1945, Serial No. 591,813
3 Claims. (Cl. 173—269)

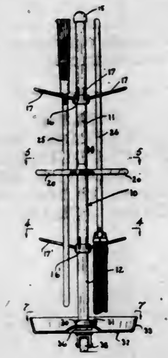


3. A connection comprising a stranded aluminum cable, and a connector indented thereto, that portion of the cable contained in the connector having the interstices between the cable strands completely filled with zinc-petrolatum.

2,423,291
TREATMENT OF ORGANIC THIOCYANATES
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1943, Serial No. 493,424
7 Claims. (Cl. 260—454)

1. A process for removing the undesirable odor-producing compounds from a material selected from the group of materials consisting of organic thiocyanates, selenocyanates, and tellurocyanates having an undesirable odorous compound associated therewith, which comprises contacting a hydrocarbon solution of said material with a liquid having a selective solvent action for the odorous compound, and being capable of immiscibility with said solution, in an amount sufficient to remove substantially all of the odorous compound and a minumum amount of said material whereby there results a cyanate containing phase of reduced content of odorous compound and a second phase, and separating the two phases.

2,423,292
MOP OR BROOM RACK
Charles H. Brown, Arkansas City, Kans.
Application February 20, 1945, Serial No. 578,831
1 Claim. (Cl. 211—65)

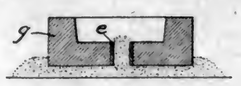


In a rack for brooms, mops and similar articles with long handles, the combination of a standard on a base; a plurality of supports with radially directed arms, said supports being spacedly secured on said standard; one of said supports consisting of a plurality of units with two spring bars each angularly positioned to each other and joined by an arcuate segment, all of such units forming a complete circle around the standard, each of said arms consisting of two spring bars from different units, said spring bars being oppositely corrugated, thereby determining the radial distance from the standard of each article, a second of said supports secured above said first support and a third of said supports secured below said first support; the second and third supports each having radial arms consisting of a pair of parallel prongs in vertical alignment with the arms of said first support; whereby the arms of said first support combines with the arms of said second and third supports in carrying the articles in upright positions as radially governed by said first support.

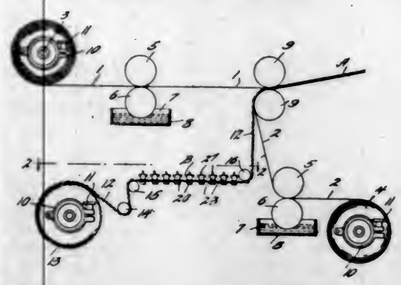
2,423,293
PROCESS OF MAKING ABRASIVE WHEELS
August C. Ciell, Philadelphia, Pa.
Application November 19, 1943, Serial No. 510,880
1 Claim. (Cl. 51—293)

A process of making abrasive grinding wheels of the vitrified bonded type having a central

bushing, which comprises slipping a bushing over and closely fitting the central part of an open-top annular mould, pouring the mixture to be moulded, while the same is in a dry state, into the mould within the space between the bushing and the outer wall of the mould, closing the top of the mould to thereby completely enclose the mixture within said annular space but without subjecting the mixture to substantial pressure, inverting the mould and its contained uncompressed mixture, removing the mould from the moulded mixture and the bushing, depositing the freed moulded mixture on a heat-resistant mixture and filling therewith the interior of the bushing and baking the freed moulded mixture at a temperature not less than about 1500° F. without subjecting it to substantial pressure for the time required to bind and sinter the same into an integral wheel body in which said central bushing is directly and permanently united thereto and located concentric to its axis.



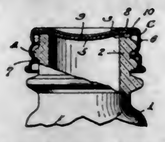
2,423,294
FLEXIBLE WATERPROOF MATERIAL AND ITS PRODUCTION
Edward H. Colesworthy, Atlanta, Ga.
Application November 12, 1941, Serial No. 418,826
2 Claims. (Cl. 154—50)



1. A method for producing a waterproof laminated material for making bags and the like consiting in longitudinally and laterally stretching a loosely woven fabric membrane and inserting said membrane in prestretched condition between longitudinally stretched crinkled paper sheets and adhesively uniting the sheets to the membrane and directly to each other through the open mesh of the membrane to effect a composite sheet, said composite sheet being of a strength greater than that of the added strength of the component sheets and membrane.

2. A method of producing a waterproof laminated material for making bags and the like consisting in coating the meeting surfaces of two crinkled paper sheets with an adhesive, stretching a loosely woven fabric membrane longitudinally, laterally and inserting said membrane in prestretched condition between said coated surfaces, and subjecting said laminated assembly to a compressing operation to adhesively unite the sheets to each other through the open mesh and to the membrane to maintain the latter in stretched condition and to form a single unitary sheet of greater strength than that of the added strength of the component sheets and membrane.

2,423,295
CLOSURE CAP FOR BOTTLES, JARS, AND THE LIKE
Lindsay T. Crabbe, Chicago, Ill., and Donald C. Lathrop, Los Angeles, Calif., assignors to Phoenix Metal Cap Company, Chicago, Ill., a corporation of New York
Application February 19, 1946, Serial No. 648,592
2 Claims. (Cl. 215—56)



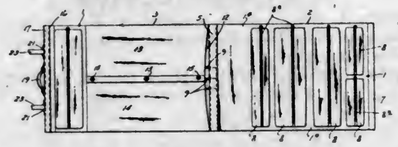
1. A closure cap for containers having a neck terminating in a mouth surrounded by a lip comprising a resilient flexible metal top and a depending skirt having means whereby the cap may be secured to the neck of the container and a sealing gasket within the cap adapted to extend across the mouth of the container and overlie the sealing lip thereof, said top in the region which is adapted to overlie the mouth of the container being curved inwardly and biased so as to remain in said inwardly curved position and cooperate with the remainder of said top in pressing the gasket against the sealing lip of the container when applied thereto and so long as the pressures on the opposite sides of the top are substantially equal, said entire top being resiliently flexible upwardly when the internal pressure of the container becomes excessive and exceeds the external pressure on the top whereby to relieve the pressure of the gasket against the lip and permit venting, said flexing of the top being within the elastic limits of the metal whereby said top will return substantially to its initial position when the internal pressure becomes substantially equal to the external pressure for resealing the container.

2,423,296
SCREW DRIVER
Thomas D. Crawford, Wichita Falls, Tex.
Application June 8, 1944, Serial No. 539,328
3 Claims. (Cl. 145—50)



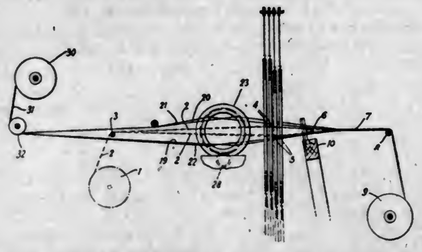
3. A tool of the character described comprising a shank having a screw-driver blade thereon integral therewith, a secondary screw-engaging element beside the shank and having screw-engaging means thereon, said secondary element being adapted to be moved from a position beside the shank with the screw-engaging means spaced from the screw-driver blade to a position beside the blade with said means in axial alignment with the blade, means on the element in position to embrace the screw-driver blade when the screw-engaging means is in axial alignment with the blade, and means mounting said secondary element on the shank including a bolt pivotally connecting the element with the shank, and a spring connected with the bolt and yieldably holding the element against the shank, said bolt and spring coacting to form a yieldable connection between the secondary element and the shank for swinging movement of said element substantially in the plane of the longitudinal axis of the bolt during movement of the embracing means into and out of embracing relation with the blade and for rotating movement in a plane substantially at right angles to the axis of the bolt during movement of the element into and out of side-by-side relation with the blade.

2,423,297
LUGGAGE CARRIER
Harry H. Creamer, Minneapolis, Minn.
Application October 23, 1945, Serial No. 624,053
2 Claims. (Cl. 190—43)



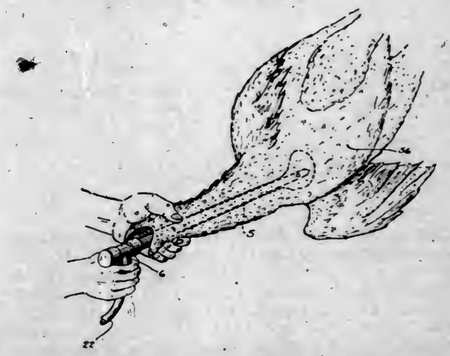
1. In a device of the kind described, an elongated sheet of flexible material comprising inner and outer end sections, a plurality of luggage compartments secured to and projecting outwardly from the upper surface of the inner end section, garment hanger supporting means secured to said sheet intermediate said sections and adapted to support garment hangers and garments in the outer end section, a relatively rigid reinforcing member transversely positioned at the extreme outer end of said sheet, handle means on said reinforcing member, and means also associated with said reinforcing member for retaining said sheet in a rolled condition.

2,423,298
METHOD AND APPARATUS FOR MAKING ZIPPER TAPE
Benjamin Crompton, Pawtucket, R. I., assignor to The Clark Thread Company, a corporation of Delaware
Application November 4, 1944, Serial No. 561,955
6 Claims. (Cl. 139—54)



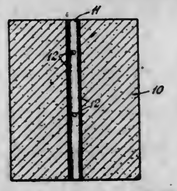
1. In the weaving of zipper tapes, the method of interweaving with the tape body a number of warp ends twisted with respect to each other, which includes the steps of twisting the said number of ends together to form a single warp on an auxiliary beam, withdrawing the said warp from its beam in a manner to cause the ends to diverge individually from the single warp and then converge to the tape being woven to form an auxiliary shed, and intermittently moving the ends about each other to transfer the single-warp twist thereof from the point of divergence to the point of convergence of the ends.

2,423,299
PROCESS AND APPARATUS FOR TREATING POULTRY
Elmer M. Davis, St. Paul, Minn., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application January 21, 1943. Serial No. 473,047
8 Claims. (Cl. 17—11)



1. The process of treating poultry comprising simultaneously opening the mouth and throat tract of the poultry by inserting a tube into the tract, scraping the interior of the throat of the poultry by deflecting the walls of the tract around the end of the tube during insertion, and applying suction thereto.

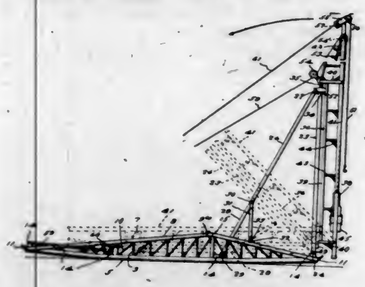
2,423,300
MANUFACTURE OF CHEESE
William Faehndrich, New York, N. Y.
Application April 21, 1944, Serial No. 532,085
2 Claims. (Cl. 99—115)



1. In the manufacture of cheese, forming the prepared curd into an annular shape by embedding at the central axial portion of a mass of curd, a separate, unitary core member capable of draining moisture from the interior of the cheese to the exterior thereof, curing the cheese with such unitary core member retained therein and disposed in a substantially horizontal position, in a chamber having the desired uniform temperature and for a substantially long period until the cheese has assumed the proper color for use, and during such curing period, frequently moving the cheese while maintaining it positioned so that the unitary core member remains substantially

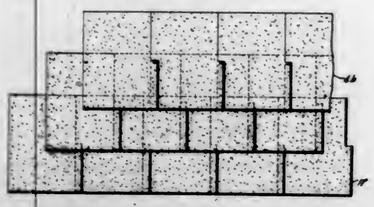
horizontal to cause all interior portions of the cheese to be properly drained, and preventing crumbling of the interior of the cheese when cut by retaining the unitary core member in the cheese during such curing period and until the cheese is to be cut so as to develop a substantially uniform texture throughout the cheese.

2,423,301
PORTABLE PILE DRIVER
William R. Fairchild, Seminary, Miss.
Application July 19, 1944, Serial No. 545,690
6 Claims. (Cl. 61—73)



1. In a portable pile driver, the combination of a horizontal elongated skid adapted to be drawn over the ground, pile driving means pivotally mounted on one end of the skid for swinging movement between vertical operative and horizontal folded positions, said pile driving means including a drop hammer and means including a hoisting cable for hoisting said drop hammer, and tracks on the other end portion of said skid disposed longitudinally of the latter to facilitate the backing thereon of a hoisting truck for actuating the hoisting cable and counter-balancing the pile driving means when the latter is in its operative position.

2,423,302
LAP JOINT PREPARED ROOFING
George A. Fasold, Mount Healthy, and Walton V. Leibrook, Hamilton, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application September 18, 1944, Serial No. 556,100
1 Claim. (Cl. 108—7)



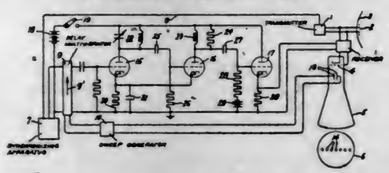
A prepared asphalt roofing comprising overlying and underlying courses of highly fire resistant flat shingles which have head lap portions laid with the side edges in abutting relation and have weather exposed portions wider than the head lap portions to provide side lap joints between adjacent shingles and extending into the head lap portions, and nailing means applied to the side lap joints in the portions which extend into the head lap.

2,423,303
WINDROWER ATTACHMENT
Harry J. Fienhold, Pontiac, Ill.
Application July 5, 1944, Serial No. 543,529
1 Claim. (Cl. 56—192)



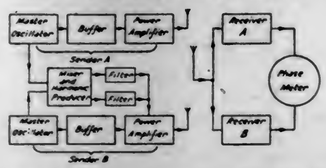
In combination with a windrower having a conveyer, a platform and a grain opening; a strip secured to said platform and extending beyond the same and said conveyer, and a tapered body secured to said strip along its remote lateral edge with its smaller end disposed forwardly and its larger end rearwardly beyond said strip and the rear end of the windrower, said body disposed transversely of the width of the windrower and contiguous to one wall of said grain opening.

2,423,304
PULSE PRODUCING SYSTEM
William A. Fitch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 15, 1944, Serial No. 522,483
4 Claims. (Cl. 315—22)



1. In combination, a cathode ray device having a viewing screen, an oscillatory circuit, means to deflect the ray of said device across said screen and simultaneously to excite said circuit, means to produce sharp spaced indicia on said screen, said means comprising means to generate a damped train of oscillations in response to each cycle of oscillations in said circuit, and means to modulate the ray of said device during its deflections in accord with the successive peaks of said recurring trains of oscillations which exceed a predetermined amplitude.

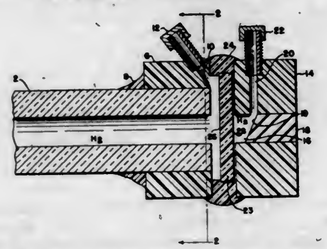
2,423,305
RADIO NAVIGATIONAL SYSTEM
Herbert Fletcher, Slough, England
Application July 15, 1944, Serial No. 545,162
In Great Britain September 9, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires September 9, 1962
4 Claims. (Cl. 250—11)



1. A radio navigational beacon for enabling the path difference between a receiving station and two spaced transmitting stations to be determined, said beacon comprising a transmitting

station adapted to radiate a first carrier wave, a second transmitting station spaced apart from the first and adapted to radiate a second carrier wave of different frequency from the first, electrical circuits arranged to produce, from currents of frequencies related to the carrier frequencies and derived from the two stations, a plurality of low frequency currents, and means for modulating one of the carrier waves with chosen ones of said low frequency currents, the chosen low frequencies being so related to the difference between the carrier frequencies that one of the sidebands produced differs in frequency from one of the carrier waves by an amount equal to the frequency difference between another of the sidebands and the other carrier wave, the magnitude of the amount being such that each carrier wave and the associated sideband can be segregated in a separate channel at the receiving station.

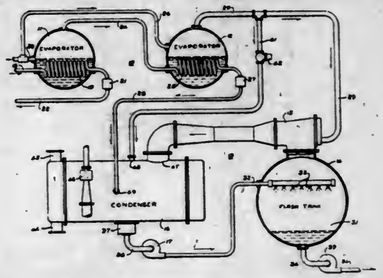
2,423,306
TRANSMISSION LINE
Gordon Donald Forbes, Sudbury, and Herbert Shapiro, Cambridge, Mass., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,310
5 Claims. (Cl. 178—44)



4. A delay type transmission line including a hollow tube, a medium in said tube, the acoustic impedance of said medium being substantially equal to the acoustic impedance of a piezoelectric crystal, an end portion disposed in spaced relationship with each end of said tube, means for mechanically associating said end portion with said tube, a cavity formed in each of said end portions and open toward said tube, a piezoelectric crystal carried by each of said end portions, one face of said crystals forming one wall of said cavities, the opposite wall of said cavity being angularly disposed to said crystal face, the other face of said crystal being in contact with the medium in said tube, a medium in said cavity having an acoustic impedance substantially equal to the acoustic impedance of said piezoelectric crystal, said medium being electrically insulated from the medium in said tube, means for making electrical contact with the crystal face contiguous with the medium in said cavity, and means for making an electrical contact with the crystal face contiguous with the medium in said tube.

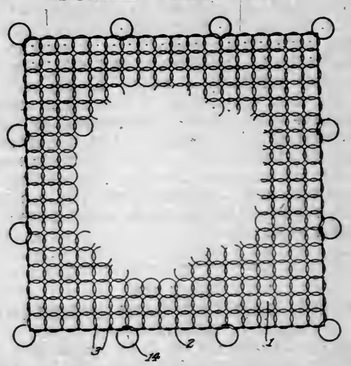
2,423,307
STEAM JET REFRIGERATION APPARATUS
Walter G. Fraser, Jr., Prospect Park, and George C. Taylor, Bala-Cynwyd, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1945, Serial No. 573,025
12 Claims. (Cl. 62—152)

1. In a distillation and steam jet refrigeration system, the combination of an evaporator for vaporizing liquid, means for supplying heat to said evaporator to vaporize the liquid therein, a flash tank adapted to contain liquid to be cooled, means for removing vapor from said flash tank to effect cooling of the liquid therein, said vapor



removal means being motivated by vapor generated in said evaporator, a condenser for condensing the vapor generated in said evaporator and the vapor removed from said flash tank, and means for supplying all of the condensate from said condenser to the flash tank for cooling.

2,423,308
NET
Leonard P. Frieder, Rockville Centre, and Walter S. Finken, Brooklyn, N. Y., said Finken assignor to said Frieder
Application June 8, 1945, Serial No. 598,332
4 Claims. (Cl. 28—78)

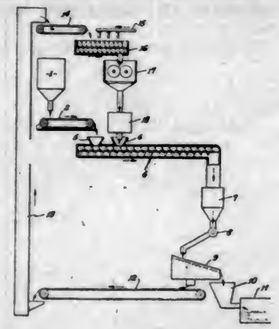


1. In a net having a border, a net body within and held by said border composed of separate but interlaced rings, each of said rings consisting of a piece of cord with the oppositely extending ends of the piece interwoven with and extending lengthwise of the cord.

2,423,309
METHOD OF PRODUCING CATALYTIC CLAY PELLETS
Wright W. Gary, Los Angeles, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
Application July 3, 1943, Serial No. 493,489
3 Claims. (Cl. 252—259.2)

1. A method of producing dry catalytic pellets of acid-treated montmorillonite clay, which comprises forming moist pellets from wetted granules of said acid-treated clay, mixing said pellets with relatively dry granules of said acid treated clay

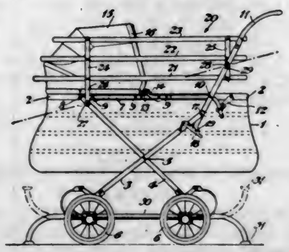
to wet said last-named granules and dry said pellets, separating the pellets from the granules wetted by said transfer of moisture, mixing additional water with the last named wetted granules, and forming additional first-named moist pellets from the last named wetted granules.



2,423,310
MANUFACTURE OF THIURAM DISULFIDES
Leslie A. Gillette, Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 6, 1944, Serial No. 566,951
7 Claims. (Cl. 260—567)

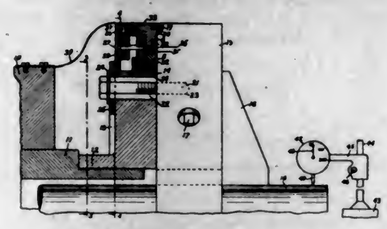
1. In the manufacture of thiuram disulfides N-substituted symmetrically by only two organic radicals chosen from the class consisting of alkyl radicals containing from 1 to 5 carbon atoms, phenyl radicals and benzyl radicals, the process comprising oxidizing a water-soluble salt chosen from the class consisting of the alkali metal and ammonium salts of the corresponding mono-N-substituted dithiocarbamic acid by introducing said salt gradually in the form of an aqueous solution into an aqueous solution containing hydrogen peroxide and a mineral acid while maintaining the reaction mixture at a temperature between 0 and 25° C.

2,423,311
GUARD RAIL FOR BABY CARRIAGES
Daniel P. Griffin, Butte, Mont.
Application December 19, 1944, Serial No. 568,811
2 Claims. (Cl. 296—36)



1. A safety device for baby carriages which have a body and a wheeled frame comprising a foldable guard structure to increase the height of the body walls having a plurality of guard rails extending around the periphery of the carriage body, two pairs of parallel upwardly directed cross-bars pivotally interconnecting the sides of said rail members near the ends of the foldable guard structure, the pair of cross-bars at one end of the guard structure having extensions below the rail members and fixed pivotally to the carriage structure, and means at the opposite end of said guard structure for connecting it to and disconnecting it from the carriage structure, said fixed pivots and said connecting and disconnecting means being disposed in a common plane which intersects the planes of said guard members thereby, when said means is connected, causing the foldable guard structure to be supported in open position with the rail members thereof vertically spaced from each other in substantially parallel relation, said means when disconnected freeing said end of the guard structure from the carriage structure and allowing the guard structure to be shifted lengthwise causing the guard members to fold into contact with each other.

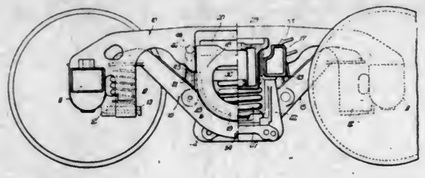
2,423,312
CHUCK ADJUSTING DEVICE
Henry A. Hamberger, Rochester, N. Y.
Application September 12, 1944, Serial No. 553,788
4 Claims. (Cl. 279—6)



1. In an adjusting means for lathe chucks and the like, in combination; a driven spindle; a chuck flange fixed to the spindle, the periphery of the flange being concentric with the rotation axis of the spindle, an adjustable inner ring member rotatively mounted on the concentric chuck flange and having an eccentric outer periphery; an outer adjustable ring member rotatively mounted on the eccentric periphery of the inner ring member, and with its outer periphery concentric with the flange periphery when the ring members are adjusted to normal position; a universal chuck head adapted to hold a work piece, rotatively mounted on the outer ring member, concentric with the periphery of this ring member; releasable means for clamping the chuck head to the flange in various adjusted positions of the chuck head; and means, operable to simultaneously rotate the inner and outer ring members in opposite directions and at the same angular rate to thereby impart to the chuck head and work piece movement of translation at right angles to the axis of rotation.

2,423,313
RAILROAD CAR TRUCK
Karl M. Hamilton, Chicago, Ill.
Application May 15, 1944, Serial No. 535,698
16 Claims. (Cl. 105—186)

11. In a railroad car truck, spring supported equalizers; loosely mounted transom members united at their ends by extensions which seat on the equalizers and permit the latter to rock thereabout, the transom members adjacent the extensions having depending brackets terminating at bottom in horizontally disposed socketed antifriction element holding surfaces and inwardly disposed integral safety means supporting extensions; and spring supporting members arranged above the antifriction element holding surfaces of said brackets.

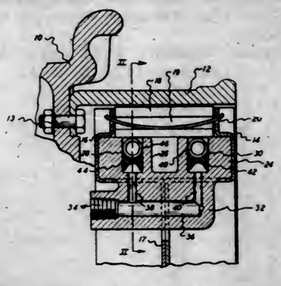


2,423,314
AGGLOMERATION BY SULFONATED REAGENTS IN MAGNETIC RECOVERY OF IRON ORES
Earl Conrad Herkenhoff, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 1, 1945, Serial No. 597,146
7 Claims. (Cl. 209—8)

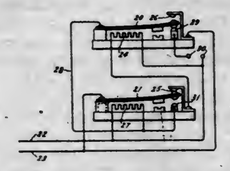
1. A method of concentrating oxidized iron mineral values from mixtures thereof containing acidic gangue and both magnetic and non-magnetic iron oxides, which comprises the steps of making an aqueous pulp of the solids of sufficiently small size to insure liberation of the mineral values, conditioning the aqueous pulp with an agglomerating agent combination comprising a material selected from the group consisting of sulfonated long-chain aliphatic fatty acids, sulfonated saponifiable oils of animal and vegetable origin, sulfonated talloel, sulfonated naphthenic acids, petroleum sulfonates of the oil-soluble mahogany acid and water-soluble green acid types obtained in the refining of petroleum lubricating oils, mixtures of these petroleum sulfonates and salts of these materials, together with an unsaponifiable oil, in amount sufficient to insure thorough dissemination of the sulfonated reagent, and, at least in the case of the petroleum sulfonates, a material selected from the group consisting of acids and materials liberating an acidic substituent in solution. having a dissociation constant greater than 10^{-7} and used in sufficient amount to produce a pH of about 5.5–1.5; subjecting the conditioned pulp to a magnetic separation whereby a magnetic concentrate is removed comprising the magnetic substituents and a major portion of the desired non-magnetic substituents.

2,423,315
BRAKE STRUCTURE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application March 16, 1944, Serial No. 526,698
3 Claims. (Cl. 188—152)

1. A radial brake assembly comprising a main peripheral portion, a radially expansible and contractable brake element supported in said peripheral portion, means defining a narrow radial wall channel opening radially outward and being directly adjacent to and bridged by said brake element, an annular sealing means supported in said channel and adapted to be radially displaced therein, means for directing fluid pressure into said channel against said sealing means to radially displace the same in said channel, thrust means disposed between said sealing means and said brake element, said thrust means including resilient radially expansible and contractable structure disposed in said channel and acting upon said sealing means to contract the same in said channel upon brake release.

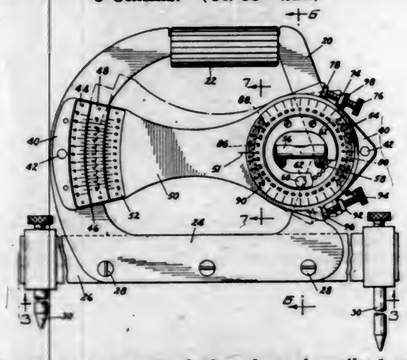


2,423,316
ELECTRIC TIMER
Lowell L. Holmes, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1944, Serial No. 565,898
2 Claims. (Cl. 175—320)



1. An electric timer comprising a first switching means movable between first and second positions selectively to close two circuits, a first thermostat for operating when heated said first switching means from said first position to said second position, a second switching means movable between first and second positions selectively to close two circuits, means biasing said second switching means to a first of said positions, a first heater for said first thermostat, connections for supplying electric current to said first heater including said second switching means in its first position whereby said first thermostat is heated and caused to move said first switching means to its second position after a time interval, a second thermostat for operating when heated said second switching means to its second position, a second heater for said second thermostat, connections for said second heater including said first switching means in its second position whereby said second heater is energized upon movement of said first switching means to its second position by said first thermostat, connections for establishing a holding circuit for said second heater upon movement of said second switching means to its second position by said second thermostat, said second switching means thereby opening the circuit of said first heater whereupon said first thermostat cools and after a predetermined time interval moves said first switching means to its first position, and connections for supplying electric current to a load circuit including said second switching means in its second position and said first switching means in its first position.

2,423,317
LEVEL MEASURING INSTRUMENT
George E. Holton, Jackson, Mich., assignor to Hinckley-Myers Division of Kent-Moore Organization, Inc., Jackson, Mich., a corporation of Michigan
Application December 6, 1943, Serial No. 513,011
5 Claims. (Cl. 33—214)



1. An instrument of the class described comprising a frame provided with a contact portion, an arm pivoted at one end to the frame for swinging movement and provided at the opposite end with a protractor scale, a second arm pivoted at one end upon the frame overlying the first arm and provided with an indicator adapted to traverse the protractor scale of the first arm, mechanism operable to swing both arms as a unit in opposite directions, said protractor scale arm adapted to be releasably locked at the position to which swung, said second arm adapted to be swung independently of the first arm to cause the indicator to traverse the scale of the first arm, and gravity responsive mechanism coupled with the second arm to indicate the true gravity determined position thereof.

2,423,318
VINYL CYANIDE FROM ACETYLENE AND HCN
Benjamin Wilson Howk, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 30, 1945, Serial No. 596,807
6 Claims. (Cl. 260—464)

1. In the process for the preparation of vinyl cyanide by the reaction of hydrogen cyanide with acetylene in the presence of an aqueous solution of a cuprous chloride complex, the improvement whereby the acidity of the catalyst solution is maintained at a pH not exceeding 4 by means of a water-soluble aliphatic polycarboxylic acid.

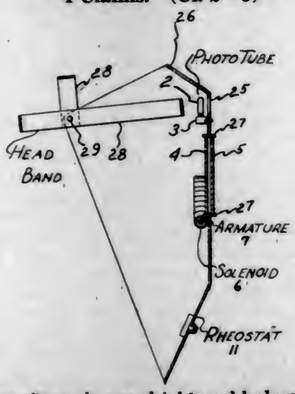
2,423,319
LOCK JOINT FOR FISHING RODS
Charles M. Hunt, Fort Wayne, Ind., assignor of one-half to Joseph E. Quinlan, Monroeville, Ind.
Application May 16, 1945, Serial No. 594,077
4 Claims. (Cl. 287—104)

4. A joint coupling for fishing rod sections consisting of two coupling members secured respectively on the opposing end portions of said sections, one of said coupling members having an enlargement at one end constituting a head and a laterally projecting lock-pin located adjacent the opposite end thereof, and a compression spring concentrically disposed on said member, the other of said members having an enlargement at one end thereof constituting a chamber and a slot in which said lock-pin has guided and lock-



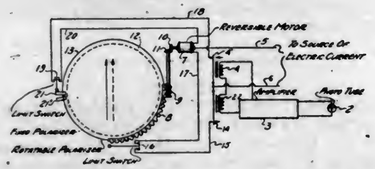
ing engagement, said chamber being adapted to receive said spring when compressed and the lower end of said head when said members are in locked connection with each other.

2,423,320
WELDER'S HELMET
Samuel C. Hurley, Jr., Danville, Ill.
Application July 29, 1944, Serial No. 547,209
4 Claims. (Cl. 2—8)



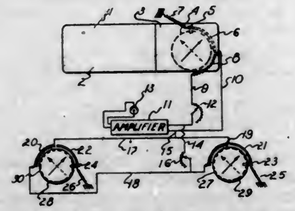
1. A workman's eye shield and helmet comprising head engaging bands and a shield supported thereby and a light transmitting viewing unit supported by said shield, said light transmitting unit comprising a first polarizing element, a second polarizing element superimposed adjacent to the first polarizing element with polarization axes of said elements substantially normally parallel, said second polarizing element being mounted for rotation through an angle of about 90° with respect to the polarizing axis of the first polarizing element, a photoelectric device supported by said shield in a position to receive light from the same source as said light transmitting unit, power means engaging at least one of the polarizing elements to rotate it, said power means being operatively controlled by the photoelectric device to rotate said rotatable polarizer to maintain the light passing through said light transmitting unit within predetermined limits, and adjustable means operatively associated with said photoelectric device and said power means for adjusting the degree of rotation of said element resulting from a predetermined change in light intensity.

2,423,321
PHOTOELECTRICALLY CONTROLLED LIGHT POLARIZING ELEMENT
Samuel C. Hurley, Jr., Danville, Ill.
Application July 29, 1944, Serial No. 547,210
5 Claims. (Cl. 88—65)



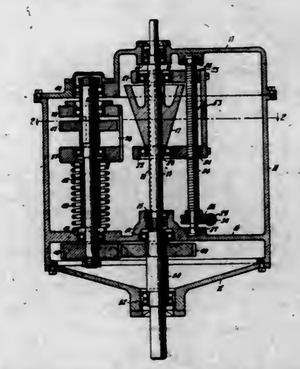
1. An apparatus of the class described for automatically maintaining within predetermined limits the amount of light transmittable through a light transmission means receiving light from a source or sources varying in intensity in which said light transmission means comprises a pair of superimposed and adjacent light polarizing elements with polarizing axes mounted in substantial parallel alignment with at least one of said elements being mounted for relative rotation through an angle of about 90° with respect to the other element, said apparatus further comprising a photoelectric device positioned to receive light passing through said light transmission means, power operated means engaging the polarizing elements mounted for rotation for rotating it, said power operated means being operatively controllable by said photoelectric device so as to rotate said rotatable polarizing element relative to the other from substantially parallel alignment of the polarization axes through an angle of 90°, said rotation being in the direction of parallel alignment of the polarization axes when receiving light of decreasing intensities and in the direction away from parallel alignment of the polarization axes when receiving light of increasing intensities to maintain within predetermined limits the amount of light transmitted through said light transmission means independent of the intensity of light received by said light transmission means.

2,423,322
VEHICULAR LIGHT CONTROL DEVICE HAVING POLARIZING ELEMENTS
Samuel C. Hurley, Jr., Danville, Ill.
Application August 10, 1944, Serial No. 549,783
3 Claims. (Cl. 88—1)



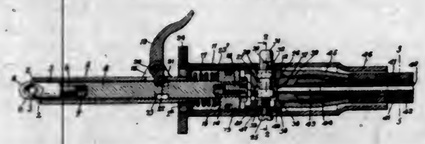
1. A device for controlling the amount of light received by the driver of a vehicle and for automatically dimming the headlight beam on said vehicle, comprising a viewing device, means for attaching it in viewing position on said vehicle, a photoelectric device supported and positioned to receive light passing through said viewing device toward said driver's eyes and responsive to said light, said viewing device comprising a first polarizing element, and a second polarizing element rotatably mounted over the first polarizing element with the polarizing axes of both elements substantially parallel, power means engaging one of the polarizing elements for rotating it with respect to the other polarizing element, said power means responsive to and operatively controlled by said photoelectric device, adjusting means operatively associated with said photoelectric device and said power means for adjusting the degree of rotation of said rotatable polarizing element, dimming means positioned in front of the headlight beam of the vehicle, said dimming means comprising a pair of polarizing elements superimposed with substantially parallel polarizing axes, one of said elements being mounted for rotation, separate power means for said dimming means operatively mounted to rotate the last-mentioned rotatable polarizing element, said power means responsive to said photoelectric device thereby progressively decreasing the amount of light transmitted through said dimming means as the amount of light received by said photoelectric means increases, said power means associated with the dimming means further adapted and arranged for returning the polarizing elements to substantially parallel alignment of their polarizing axes after the light reaches a predetermined value.

2,423,323
VARIABLE-SPEED TRANSMISSION
John T. Janette, Kenilworth, Ill., assignor to Janette Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1944, Serial No. 543,313
3 Claims. (Cl. 74—191)



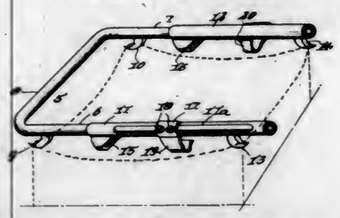
1. The combination of a housing, a shaft rotatably mounted in the housing, a conical driving member splined to the shaft to permit longitudinal movement while being driven by the shaft, supports engaging with the ends of the driving member, a screw coacting with the supports for adjusting the driving member along the shaft, means for manually turning the screw, a second shaft mounted in the housing parallel to the first named shaft, a yoke pivotally mounted on the last named shaft with its arms extending towards the driving member, a stub shaft mounted in said arms, a driven disc carried by said stub shaft and having frictional engagement with the conical driving member, a gear secured to the stub shaft, a gear secured to the second named shaft and meshing with the gear on the stub shaft, and means for transmitting power from the second named shaft.

2,423,324
WELDER HANDLE
Vernon R. Johnson and Lester W. Wachter, Streator, Ill., assignors to Anthony Development Company, Streator, Ill., a syndicate
Application December 2, 1944. Serial No. 566,294
7 Claims. (Cl. 219—8)



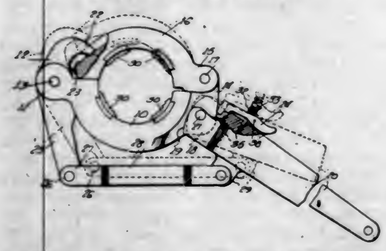
1. In combination in a welder handle, a welding rod-gripping means comprising a part and a member movably mounted to move therealong, said member shaped to engage a welding rod, and a spring effective on said member and biased to move it inwardly to hold a rod between said member and said part, and a piston formed on said member, a cylinder thereabout, means for conducting air under pressure to said cylinder, whereby said piston is caused to move against the resistance of said spring to carry said member outwardly, and discharge means for said air to said housing, whereby the latter is cooled.

2,423,325
RAPID SACK DETACHING DEVICE
Jack J. Jones, Zillah, Wash.
Application July 21, 1945, Serial No. 606,395
3 Claims. (Cl. 248—100)



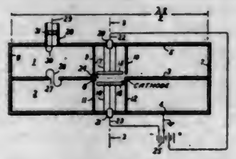
1. A combined sack holder and stripper, comprising a pair of stationary horizontal supports, a pair of supports sliding in the stationary supports, sack supporting hooks carried by the stationary supports, sack supporting hooks carried by the sliding supports, and strippers carried by sliding supports arranged to engage a sack carried by the hooks of the stationary supports.

2,423,326
PIVOTED JAW LATCH-GRIP PIPE TONGS
Oscar V. Jones, Dallas, Tex.
Application September 28, 1944, Serial No. 556,204
6 Claims. (Cl. 81—91)



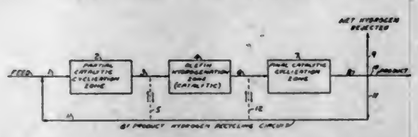
5. Pipe tongs including a pair of relatively pivoted jaws and a pivoted handle, a latch pivoted intermediate its ends to one jaw and engaging the other to hold said tongs on the work, means pivotally connecting said handle and latch, a catch slidably mounted on said handle and engageable in a recess between said handle and one of said jaws and effective to limit relative displacement thereof to correspondingly limit relative displacement of said jaws under the control of said latch.

2,423,327
ULTRA HIGH FREQUENCY OSCILLATOR OF THE CAVITY RESONATOR TYPE
James M. Lafferty, Colonie, N. Y., assignor to General Electric Company, a corporation of New York
Application October 2, 1942, Serial No. 460,524
14 Claims. (Cl. 315—6)



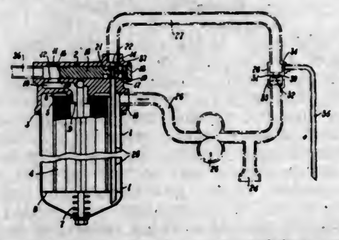
1. A high frequency electrical apparatus comprising a pair of wave guides having a common metallic wall and defining a pair of cavity resonators each dimensioned to support standing electromagnetic waves of predetermined frequency, said common metallic wall having an opening therein, each of said wave guides including a transverse wall structure defining a resonator capable of resonance at substantially said predetermined frequency for effecting a concentration of the electric field incident to the respective standing waves, and means for sustaining high frequency electromagnetic waves in said resonators comprising an anode in one of said resonators, a cathode in the other of said resonators and a grid interposed therebetween, said anode, cathode and grid being mounted in alignment through said opening.

2,423,328
PROCESS FOR CYCLIZING HYDROCARBONS
Edwin T. Layng, Jersey City, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application February 24, 1941, Serial No. 380,297
5 Claims. (Cl. 196—50)



1. In a process for the production of hydrogen and aromatic hydrocarbons from paraffinic hydrocarbons within the gasoline boiling range, by contacting such paraffinic hydrocarbons with a dehydrogenating and cyclicizing catalyst at a temperature and space velocity adapted to effect dehydrogenation and cyclization thereof, the improvement which consists in effecting said contact in a plurality of successive stages and treating the reaction products from the first of said stages in an intervening stage to eliminate olefins therefrom by catalytically hydrogenating them to paraffins prior to their passage to the second stage.

2,423,329
OIL FILTRATION
Camille Clare Sprankling Le Clair, London, England
Application April 15, 1943, Serial No. 483,158
In Great Britain January 24, 1942
9 Claims. (Cl. 210—150)



1. An oil filtration system comprising a source of oil supply, means for circulating oil through the system, a filter including a filter casing and having a filter element contained therein, an inlet port, a conduit connecting said inlet port with the outlet of said circulating means, a filtrate outlet port, a second conduit connecting said filtrate outlet port to the place of use of the oil, an outlet port for unfiltered oil, a third conduit connecting said unfiltered oil outlet port with the inlet of said circulating means, valve means in said third conduit connected to open under pressure developed at said filtrate outlet port, a spring loaded relief valve in said third conduit, and a by-pass conduit connecting said third conduit at a point between said unfiltered oil outlet and said relief valve with said source of oil, whereby unfiltered oil will be recirculated and cold, highly viscous oil will be passed by said relief valve to the inlet of said circulating means and heated oil will be by-passed through said by-pass conduit to said source of oil.

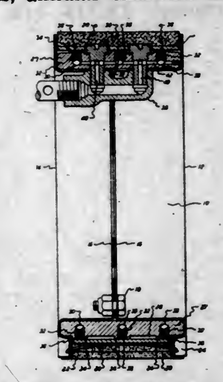
2,423,330
METHOD OF MAKING DENTURES
Charles Levine, Detroit, Mich.
Application April 18, 1945, Serial No. 588,968
1 Claim. (Cl. 18—55.1)



In the manufacture of dentures, the steps of casting two dies as positive reproductions of the mouth portion for which the denture is being made, forming on one of such dies a wax pattern of a cast metal mesh base, casting on that die from that pattern a cast metal mesh base which by being patterned and cast on that positive die, is shaped to conform to the formation of the tissue of the mouth portion and is rigid and unyielding, removing that cast base from that die and transferring it to the other die, forming on that second die a denture, with that cast base as a base, and with teeth in the denture.

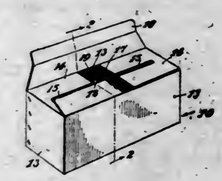
2,423,331
HYDRAULIC BRAKE
Erwin F. Loweke, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application May 6, 1944, Serial No. 534,423
2 Claims. (Cl. 188—152).

1. A radial brake structure comprising a pair of sheet metal dished parts of annular form and collectively defining an outer peripheral channel portion, a drop center channel portion and a radially extending torque flange, radially actuated brake blocks supported in said outer peripheral flange, an annular structure supported in said drop center portion and bridged by said brake blocks, annular channels defined in said



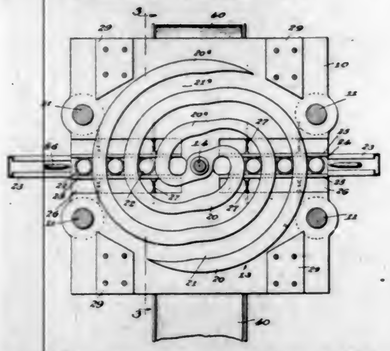
structure supported in said drop center portion and opening towards said brake blocks, sealing rings supported in said last channel portions defining with the bottom thereof fluid chambers, and means for directing fluid under pressure into said chambers to radially expand said rings to actuate said brakes.

2,423,332
SHIPPING CARTON FOR BOTTLES
Albert A. Mayer, Little Falls, N. J., assignor to John F. Trommer, Inc., Brooklyn, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 578,854
1 Claim. (Cl. 229—15)



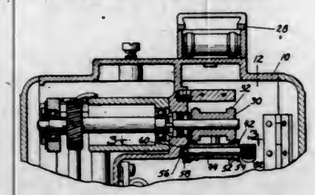
A shipping container for bottles having a closed body portion forming an open top and bottom, and closing flaps each hinged to the top and bottom edges of each sidewall for closing the open top and bottom, the combination of an additional flap on each one of a pair of opposed flaps, each of a depth to extend vertically into the container sufficiently to form with its adjacent additional flap, a separator for the bottles, one at the top and one at the bottom, and a plurality of vertical partitions transverse to said separators and engaging said separators, the other pair of opposed flaps, each having a slot extending from the edge of the flap to its bottom near the hinge of the flap, the slots of the two opposed flaps being aligned and each having a width of substantially the two additional flaps, the distance between the bottoms of the aligned slots being equal to the length of the additional flap, the top and bottom flaps forming a closure for the container with the additional flaps and partitions forming compartments of the bottles, one separated from the other.

2,423,333
CAP FEEDING DEVICE
Ira H. Miller, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Original application June 23, 1942, Serial No. 448,177. Divided and this application December 9, 1944, Serial No. 567,392
7 Claims. (Cl. 113—114)



1. A lining machine comprising a flat cam shaped to provide a spiral passageway lying in a single plane, means for rotating the cam about an axis perpendicular to said plane, and means for feeding caps to the cam at opposite sides of said axis, said cam being shaped to advance caps toward said axis simultaneously from opposite sides thereof.

2,423,334
GUIDE ROLLER ASSEMBLY FOR MOTION-PICTURE PROJECTORS
Raymond J. Miller, Detroit, Mich., assignor to American Pattern and Manufacturing Co., Detroit, Mich., a copartnership
Application June 16, 1942, Serial No. 447,251
1 Claim. (Cl. 271—2.3)

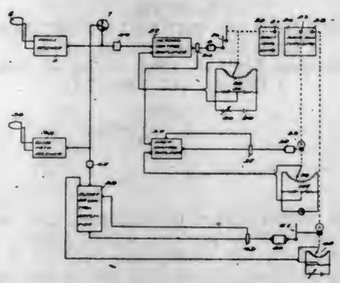


In a motion picture projector having a film-driving roller, a guide roller assembly comprising an arm having one end pivotally mounted in a predetermined space relationship to said film-driving roller, said arm being movable with respect thereto by application of manual forces, a shaft on the other end of said arm, a guide roller rotatably mounted on said shaft, eccentric adjustment means operatively interposed between said shaft and said arm for adjusting bearing of said guide roller in the operative position thereof against the film and the film-driving roller, a thumb lever provided on said arm intermediate its ends for manually moving said arm and the guide roller into and out of its operative position without exerting and transmitting the moving force through said eccentric adjustment means, said shaft being shaped to surround partly one end of the guide roller, but clearing the same in disassembly, and thus to interfere and discourage application of manual force directly to said guide roller; and yielding means adapted to maintain said guide roller in its operative position.

2,423,335
HYDRATED LIME PRODUCT AND METHOD OF MAKING THE SAME
Leonard John Minnick, Cheltenham, Pa., assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa., a corporation of Delaware
No Drawing. Application July 2, 1943, Serial No. 493,288
4 Claims. (Cl. 106—118)

1. The process of treating a dry finely divided hydrated lime which has been hydrated under super-atmospheric steam pressure and which attains substantially its ultimate properties, including fluid consistency and plasticity, substantially immediately upon mixing with water, which fluid consistency remains substantially the same upon aging with water, to convert said hydrate into a product in dry powdered form capable of forming a gel in admixture with water which gel upon subsequent working reverts to fluid consistency and to impart other improved properties to said hydrated lime, including an increase in the affinity of said hydrate for water, which comprises mixing carbon dioxide with said finely divided hydrated lime containing less than about 1% of free moisture in an amount between about 0.1% and about 1.0% by weight, based on the weight of said hydrated lime, at least a substantial portion of said carbon dioxide being non-reacted chemically with said dry hydrated lime to provide a product which when mixed with water forms thixotropic-type calcium carbonate on the particles of said hydrated lime and thus imparts said properties to the product.

2,423,336
RADIO CONTROLLED PILOT SYSTEM
Francis L. Moseley, Chevy Chase, Md., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 10, 1941, Serial No. 378,296
22 Claims. (Cl. 244—77)

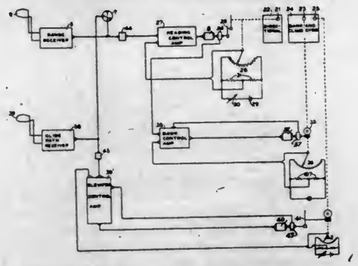


5. In a system for automatically steering a dirigible craft to follow a predetermined course defined by radio signalling, means operable in response to said signalling, means controlled by said signal responsive means proportionally to the rate of change of position of said craft relative to said course, and means actuated at least in part by said last-named means connected to correct departures of said craft from said course.

10. In a control system for automatically directing an aircraft along a predetermined line of flight defined by directively radiated electromagnetic energy, automatic pilot means for stabilizing the longitudinal axis of said aircraft at an adjustable pitch angle, radio receiving means responsive to the intensity of said radiated energy for deriving a pitch signal having an amplitude which is a measure of displacement of said aircraft from said predetermined line of flight, and

means responsive to said signal for changing said adjustable pitch angle by an angle dependent upon the amount of said displacement to direct said aircraft back to said predetermined line of flight.

2,423,337
RADIO CONTROLLED PILOT SYSTEM
Francis L. Moseley, Osborne, Ohio, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 25, 1942, Serial No. 444,395
20 Claims. (Cl. 244—77)



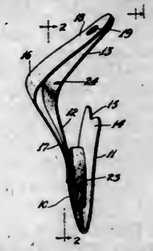
1. In an aircraft flight control system, in combination, electric motor means operative to control the direction of flight of the aircraft, signal input circuit means controlling operation of the motor means for receiving an input control signal, follow-up means operated by the motor means operative to supply a voltage to the signal input circuit means opposing the input control signal voltage, and means responsive to the speed of the motor means operative to supply a voltage to the signal input circuit means opposing the input signal voltage.

6. Apparatus for automatically navigating an craft comprising banking means for the aircraft, receiver means responsive to a course radiation pattern including means for producing a reversible phase variable magnitude signal responsive to the relative position of the craft with respect to said course pattern, a turn control amplifier fed with said signal, a turn motor controlled from said amplifier, a velocity generator driven from said motor, and bank control means connected to be operable in response to the output of said velocity generator, said aircraft banking means being connected to be controlled by said bank control means.

12. Navigation apparatus for aircraft having turn and bank control surfaces, means comprising a radio receiver responsive to a course radiation pattern, servo mechanism controlled from said receiver and connected for operating said turn control surface, means connected to be responsive to the velocity of actuation of said turn control surface, and additional servo mechanism controlled from said velocity responsive means and connected for operating said bank control surface.

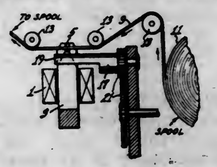
2,423,338
SPECTACLE CASE
Emanuel Nathan, Maplewood, N. J.
Application January 17, 1945, Serial No. 573,238
2 Claims. (Cl. 206—5)

1. In a spectacle case having front and rear wall members, said rear wall member having integral therewith at its upper edge, a downwardly folding flap adapted to overlie the front wall, a loop member positioned to overlie said rear wall and flap and secured only at its respective ends to the rear wall member at a point adjacent the lower edge of the rear wall member and to the flap at a point adjacent the free end thereof, the loop member intermediate its points of securement to the rear wall and flap being of greater length



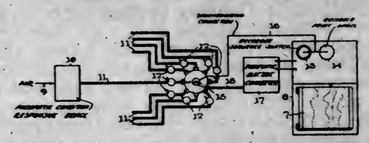
than the distance between said points of securement, so that said loop member normally bows outwardly medially away from the rear wall member to coact therewith, to provide a loop adapted to receive a suspending member.

2,423,339
REPRODUCING HEAD FOR MAGNETIC TELEGRAPHONES
William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1944, Serial No. 547,132
12 Claims. (Cl. 179—100.2)



1. In a magnetic signal translating system of the type employing a movable magnetic record as a source of variable magnetic flux, the combination of a translating device including a magnetic member adapted to cooperate with said record to receive flux therefrom, and means associated with said magnetic member for varying the effective reluctance thereof.

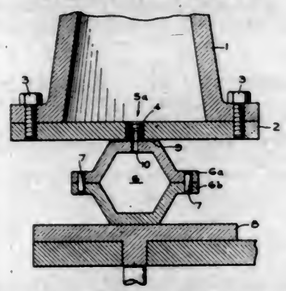
2,423,340
MULTIPLE CONDITION RECORDING APPARATUS
Joseph A. Pellettere, Pittsburgh, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1945, Serial No. 624,722
1 Claim. (Cl. 234—1.5)



A multipoint condition recording apparatus comprising a plurality of pneumatic condition responsive devices each having a pneumatic indication transmitting tube connected thereto, a plurality of electrical condition responsive devices each having an electrical indication transmitting line connected thereto, a pneumatic tube selecting valve communicating with said pneumatic indication transmitting tubes and having blank positions corresponding to said electrical indi-

cation transmitting lines, an electrical selecting switch connected with said electrical indication transmitting lines and having interconnected positions corresponding to said pneumatic indication transmitting tubes, means communicating with said pneumatic tube selecting valve for converting pneumatic indication into electrical indication and connected to said interconnected positions of said electrical selecting switch, an electrical multipoint recorder electrically connected to said electrical selecting switch and having a record character selecting means, and means for synchronizing operation of said pneumatic tube selecting valve, said electrical selecting switch and said record character selecting means.

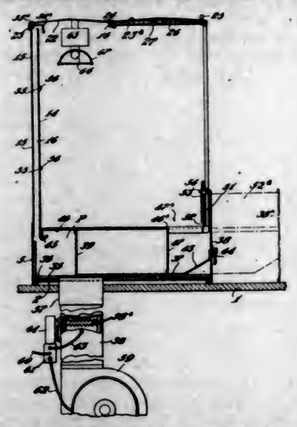
2,423,341
BLOWHOLE PLUG FOR SAND BOXES OR CONTAINERS
Axel H. Peterson, Rock Island, Ill.
Application October 3, 1945, Serial No. 620,060
1 Claim. (Cl. 22—10)



In a machine of the character stated, a sand-feeding box provided with a bottom plate having a screw-threaded sand delivery opening, and a liner, yieldable at its lower end and externally screw-threaded throughout its length, screwed into said opening and projecting slightly beyond the bottom surface of the plate, said liner having in its upper end a non-circular opening for the reception of a wrench whereby the liner may be screwed into and removed from the opening in the plate, and said non-circular opening having an extension reaching to the lower face of the liner and serving to deliver sand to a core box or other place of use.

2,423,342
DISPENSING APPARATUS AND METHOD OF TREATING POPPED CORN
Samuel Pinanski, Brookline, Mass.
Application March 20, 1945, Serial No. 583,810
10 Claims. (Cl. 34—30)

10. Method of treating popped corn in a dispensing apparatus having a storage chamber, an open topped dispensing receptacle having its bottom portion, at least, located below the floor of the storage chamber and having side and front walls which define an open topped dispensing portion extending outwardly from the front wall of the storage chamber at all times during dispensing use of the apparatus and with a substantial portion thereof located below the floor of the storage chamber, and a freely open dispensing aperture near the base of the storage chamber which affords communication between said chamber and said dispensing receptacle at all times during dispensing use at least, which comprises warming air, continuously introducing the warmed air into the storage chamber at such a rate as to maintain a slightly superatmospheric pressure in the storage chamber and continuously passing the warmed air downwardly from the storage chamber through said aperture to below the floor of the storage chamber and into the receptacle, thence outwardly and upwardly through the popped corn confined within the side and front walls of said outwardly extending dispensing portion of said receptacle and thence to the atmosphere through the open top of said dispensing portion, whereby the popped corn in the storage chamber and throughout the dispensing portion of said receptacle is maintained at a substantially constant temperature of the order of the temperature of the warmed air and the odor of the popped corn is diffused to the atmosphere by the warmed air passing upwardly through the popped corn confined in the dispensing portion of said receptacle.



2,423,343
PROCESS OF DEGREASING ALUMINUM AND MAGNESIUM SURFACES
Edwin P. Plueddemann, Woodbridge, N. J., and Richard Rathman, Decatur, Ind., assignors to Westvaco Chlorine Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 27, 1945, Serial No. 590,738
3 Claims. (Cl. 252—153)

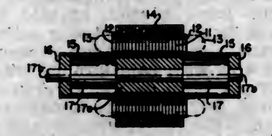
1. An improved process of degreasing surfaces of light metals of the group consisting of aluminum and magnesium with chlorinated hydrocarbon solvents of the group consisting of carbon tetrachloride, trichlorethylene, ethylene chloride, chloroform and pentachlorethane, which are normally subject to decomposition in the presence of such metals, which comprises contacting such metal surfaces with a degreasing composition consisting essentially of said chlorinated hydrocarbon solvents and formamide in a small quantity sufficient to substantially inhibit said decomposition.

2,423,344
PROCESS FOR STABILIZING DITHIOGLYCEROLS
George Wayne Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 16, 1943, Serial No. 498,846
17 Claims. (Cl. 260—609)

1. A dithioglycerol composition containing as a thermal stabilizer therefor a member of the class consisting of ammonia, ammonium salts, and carbonamides, said composition having a thermal decomposition factor of not more than 5×10^{-4} said thermal decomposition factor being equal to

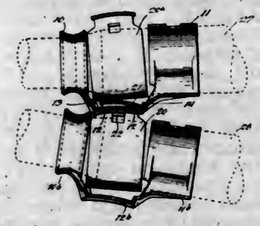
$$\frac{\text{log flow time at time } T_2 - \text{log flow time at time } T_1}{T_2 - T_1}$$

2,423,345
ALTERNATING-CURRENT DYNAMO-ELECTRIC MACHINE
Herbert C. Roters, Roslyn, N. Y., assignor to Casner Patents, Inc., a corporation of Delaware
Application February 9, 1944, Serial No. 521,650
5 Claims. (Cl. 172—278)



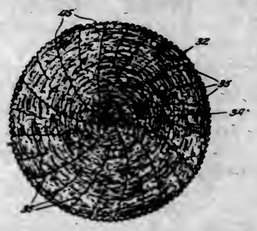
1. An alternating-current dynamoelectric machine comprising a stack of electrically insulated annular core laminations and one or more supporting bearing plates with external radial winding slots, a layer of thermoplastic adhesive material interposed between adjacent laminations and between said laminations and said plate and constituting the sole means for securing said laminations and plates together without substantially impairing their insulation to form a unitary core structure, an energizing winding disposed in said external slots, a magnetic yoke disposed about said core structure and said winding, a supporting bearing mounted from and supported solely by each plate, and a cooperating rotor disposed within the annular core structure and supported in said bearing or bearings.

2,423,346
CARTRIDGE BELT LINK
Lester Raymond Ryan, Plymouth, Conn., assignor to The Autoyre Company, Oakville, Conn., a corporation of Connecticut
Application March 22, 1943, Serial No. 480,016
7 Claims. (Cl. 89—35)



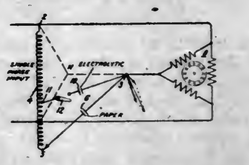
7. A cartridge belt link comprising a first part having two axially spaced cartridge receiving loops, a bridge member integral with and connecting said loops at the periphery thereof, a first surface of revolution formed on said bridge member, and a second part shaped to form a single cartridge receiving loop, said single loop being provided with a substantially U-shaped neck portion extending from one side thereof to receive said bridge member in nesting relationship, said U-shaped neck including a second surface of revolution interfitting with said first surface of revolution to facilitate twisting and tilting of said single loop on said bridge portion.

2,423,347
ARCHERY TARGET BUTT
Charles A. Saunders, Manilla, Iowa
Original application August 5, 1941, Serial No. 405,565. Divided and this application April 27, 1944, Serial No. 532,928
5 Claims. (Cl. 273—102)



1. An archery target butt comprising a disk of compressed straw, a belt encircling the same, and stitching binding said butt into a unitary whole; a relatively non-tapered rim on said disk substantially perpendicular to the striking surfaces thereof, the straw on said striking surfaces being crushed relatively flat and smooth; said disk comprising a tightly compacted central straw core having the strands thereof twisted helically about the axis of said disk, and straw twisted into rope-like lengths and coiled spirally about said central core, the density of packing of said spirally coiled straw increasing regularly from the periphery of said disk to the central region thereof, and also increasing from the striking surfaces to the mid-section thereof.

2,423,348
PHASE CONVERTER
Thomas T. Short, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 12, 1944, Serial No. 544,610
8 Claims. (Cl. 172—238)

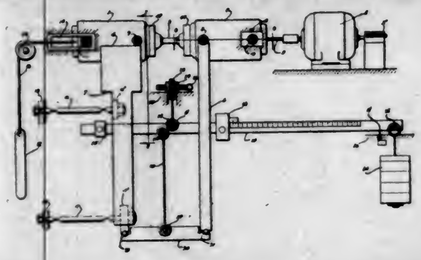


1. A static single-phase-to-three-phase converter comprising, in combination, a pair of single-phase input terminals, three three-phase output terminals two of which correspond to said input terminals, a winding connected between said input terminals, and a pair of capacitors connected between the third output terminal and different points on said winding.

2,423,349
ROTATING BEAM FATIGUE TESTING MACHINE
Alfred Sonntag, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application July 14, 1944, Serial No. 544,858
10 Claims. (Cl. 73—91)

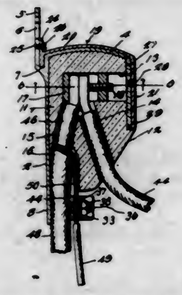
1. A rotating beam fatigue testing machine comprising, in combination, a pair of pivotally supported heads between which a specimen is mounted for rotation, means for applying a load force to the heads for loading the specimen,

means whereby the load applying means is movable in the direction in which the load is applied but is restrained at all times against movement in a direction transverse to said other direction, means including a weighted beam for producing



a load on the load applying means, and means for longitudinally shifting one of said heads in said transverse direction relative to the load applying means while the latter remains in its transversely restrained position.

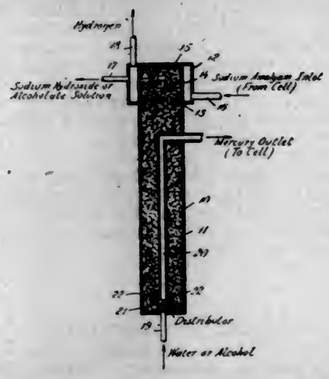
2,423,350
ELECTRICAL CONNECTOR AND INSULATOR
Walter S. Stockton, Columbus, Ohio
Application December 10, 1945, Serial No. 633,931
3 Claims. (Cl. 174—145)



1. In an electrical connector and insulator, a hood-like shell open at its bottom and front and having sides, and a back having a lower end depending below said sides, an insulation block fitted in said shell above said end of the back, a pair of upper recesses in said block open at the front of the shell and containing clamps, a pair of front bores extending upwardly and rearwardly through said block from the front thereof and to said recesses, a pair of rear bores extending upwardly through said block to said recesses, said pairs of bores being adapted for the extension of pairs of leads therethrough to be connected together in pairs in said recesses by said clamps, a cover cap for said shell closing said recesses at the front of the shell, and means coacting with said lower end of said back for clampingly engaging the rear pair of leads and holding said block up in said shell.

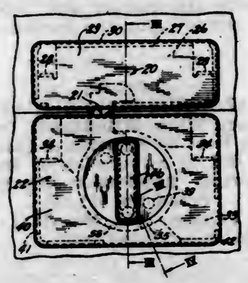
2,423,351
APPARATUS FOR AMALGAM DECOMPOSITION
Maurice C. Taylor, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application February 1, 1943, Serial No. 474,263
1 Claim. (Cl. 204—219)

In an apparatus for reacting alkali metal from amalgam with a liquid selected from the group consisting of water and alcohols having less than 4 carbon atoms per molecule, the combination which comprises a tower having apertures arranged in horizontal rows near the upper end thereof, an annular chamber extending around the exterior of the upper portion of the tower, said apertures providing communication between the tower and the annular chamber at levels adjacent the lower portion of said annular chamber, the upper portion of said annular chamber and the intermediate portion of said annular chamber, an electrode disposed in the tower and consisting of a mass of packing providing a plurality of tortuous passages through the tower and formed of electrically conductive material with which mercury does not amalgamate substantially and which is preferentially wetted by the liquid, a conduit communicating at its outlet end with the lower portion of said tower for admitting the liquid to the tower adjacent the bottom thereof, a second conduit communicating at its outlet end with said annular chamber at substantially the level of the lowermost row of said apertures for admitting amalgam to the upper portion of the tower, whereby the amalgam will flow downwardly through the tower and the packing material therein countercurrent to rising liquid introduced into the tower at its lower end,



a third conduit for discharging from the tower mercury resulting from the decomposition of the amalgam, said third conduit having its inlet end communicating with said tower near the lower end thereof, said third conduit also having a portion thereof disposed at a level below the outlet end of said second conduit but above the position occupied by a major portion of said packing material, whereby in operation a major portion of the mass of packing material is automatically maintained submerged in a pool of the amalgam and mercury resulting from the decomposition of the amalgam, baffling means disposed opposite and below the inlet end of said third conduit to form a seal whereby the liquid admitted to the lower portion of said tower is prevented from entering the inlet end of said third conduit, a fourth conduit communicating at its inlet end with said annular chamber at a point adjacent the upper end thereof for removing hydrogen gas from the upper portion of the tower, and a fifth conduit communicating at its inlet end with said annular chamber at a level intermediate the junctures of said second and fourth conduits with said annular chamber and at substantially the level of the intermediate row of said apertures, for withdrawing from the tower the liquid products of the reaction of the alkali metal and said liquids.

2,423,352
LATCH
Berthold R. Thiele, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 27, 1944, Serial No. 528,284
11 Claims. (Cl. 292—96)



1. In a latch, a housing provided with an opening in one wall thereof, a latching bolt provided with a handle positioned in the opening for centering the bolt in its movements into latching and unlatching positions, a spring interposed between the other wall of the housing and the handle and acting to hold the latching bolt against the wall having the opening therein, means carried by the housing to interengage with the latch bolt to positively lock the same in its latched or unlatched position, said locking means being disengaged by pressing on the handle to free the bolt for rotary movement.

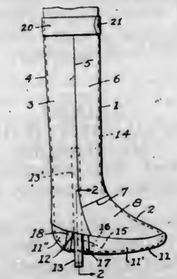
2,423,353
POLYMETHYLENE DIGUANAMINES
Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,149
14 Claims. (Cl. 260—249.5)

1. Diguanamines having the following formula:

G—R—G

in which R is an alkylene radical and G is a guanamine radical having a free valence on the 2-carbon atom of the triazine ring, the bond between G and R in each case being a carbon-to-carbon bond.

2,423,354
SURGICAL BOOT
Florence B. Van Hoesen, Syracuse, N. Y.
Application June 3, 1946, Serial No. 674,087
4 Claims. (Cl. 36—8.5)



2. A surgical boot of the class described, comprising a water-repellent fabric covering of boot form and of a size capable of substantially completely covering a plaster cast applied to the leg and foot of the wearer, the bottom of the foot-covering portion of the boot being provided with a flap below the heel which is fixed to the boot at its rear end and is detachably connected at its front end, said flap when detached forming an opening in the bottom of the boot through which a walking iron may be freely projected and withdrawn in applying the boot onto and removing the same from a cast having such walking iron anchored thereto.

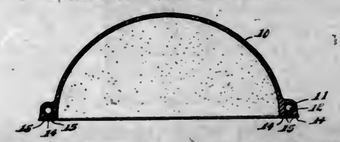
3. A surgical boot of the class described, comprising a water-repellent fabric covering of boot form and of a size capable of substantially completely covering a plaster cast applied to the leg and foot of the wearer, the bottom of the foot portion of the boot being provided with a flap below the heel which is fixed to the boot at its rear end and is detachably connected at its front end, said flap when detached forming an opening in the bottom of the boot through which a walking iron of substantially U-shape may be freely projected and withdrawn in applying the boot onto and removing the same from a cast having such walking iron anchored thereto, said walking iron having its arms at the opposite sides thereof embedded in the cast, with its lower end disposed in spaced relation to the bottom of the cast and forming an open loop, and the detachable end of the flap being adapted to be inserted through the loop aforesaid and connected to the sole of the boot forwardly of the walking iron after application of the boot onto the cast, to cover the bottom of the cast in the zone of the walking iron.

2,423,355
EARPHONE SOCKET STRUCTURE
Paul S. Veneklasen, Saugus, Mass., assignor to United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development
Application December 26, 1945, Serial No. 637,192
3 Claims. (Cl. 179—179)



1. An earphone socket comprising a compliant sheet material doubled over upon itself, said doubled-over portions being arranged in spaced-apart relation to form inner and outer sides of the socket, said doubled-over portions further being formed with concentric corrugations which provide an outer sealing rim and an inner sealing rim, said corrugated portions defining air spaces which function as acoustic filtering means when the earphone socket is engaged about an ear.

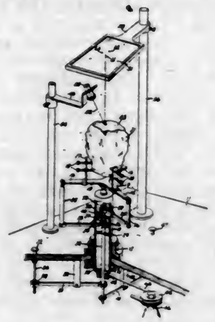
2,423,356
PESSARY
Carl C. Waterbury, Chicago, Ill., assignor to Diaphragm & Chemical Company, Chicago, Ill., a corporation of Illinois
Application July 6, 1945, Serial No. 603,565
4 Claims. (Cl. 128—127)



1. A device of the character described, comprising a thin dome-like membrane having a

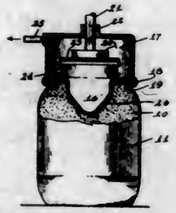
thickened peripheral rim provided with a relatively wide, flat, contacting face, said face being formed with recessed portions to create a suction action for assisting in holding the device in place while in use, and a continuous coil spring embedded in said peripheral rim, in substantially axial alignment with said recessed portions.

2,423,357
METHOD OF DETERMINING THE OPTICAL AXES OF QUARTZ CRYSTALS
Raymond J. Watrobski, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 13, 1942, Serial No. 426,640
4 Claims. (Cl. 88—14)



1. The method of determining the optical axis of a quartz crystal which comprises determining such optical axis roughly by means of polarized light, forming a plane surface on said crystal perpendicular to such roughly determined optical axis, etching said plane surface, projecting a beam of light on said surface at a small angle from the perpendicular to said surface for reflection from said surface to produce a light pattern, rotating said crystal about an axis substantially perpendicular to said surface, and changing the orientation of said crystal with respect to the rotational axis until the reflected light pattern rotates about its own center, the rotational axis of the crystal then coinciding with the optical axis.

2,423,358
METHOD OF PACKAGING GRANULAR MATERIALS
Jack M. Wheaton and John Hohl, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application September 21, 1944, Serial No. 555,187
6 Claims. (Cl. 226—82)

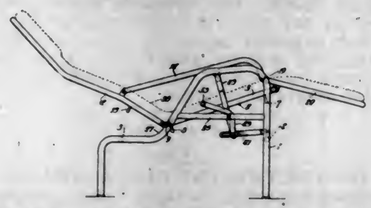


1. The method which consists in placing a measured quantity of granular material in a container having a filling opening, slightly compressing the material by a pressure applied at and distributed over the major portion of the top surface of the mass of material and simultaneously producing a depression in the top surface of the mass, supporting a closure in spaced relationship to and above the filling opening, exhausting the air from the container through the space between the closure and container, and sealing the closure upon the container.

2,423,359
DIAZONIUM FLUOSILICATES
Richard Haven Wiley, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1945, Serial No. 607,265
1 Claim. (Cl. 260—141)

Benzenediazonium fluosilicate.

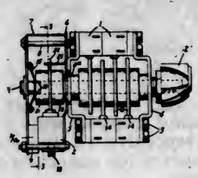
2,423,360
LOUNGE CHAIR
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a corporation of Delaware
Application September 13, 1944, Serial No. 553,817
3 Claims. (Cl. 155—110)



1. In a lounge chair of the character indicated, rigidly interconnected side frames, a back rest, a seat, and a foot rest, said back rest and foot rest being hingedly connected to the rear and front ends respectively of the seat, arm rests having front and rear ends pivotally connected to the upper end of the foot rest and to the back rest, means pivotally connecting the rear portion of the seat to the respective side frames, struts respectively extending between said arm rests and portions of said side frame below said arm rests, said struts being pivotally connected to said arm rests and side frame portions, and said back rest, seat, foot rest and arm rests being pivotally adjustable to each other, means on each side of the chair for locking certain of said relatively adjustable parts in selected position of adjustment, means interconnecting said locking means for simultaneous locking and unlocking movements respectively, and means at one side of the chair connected to said inter-locking means and adapted for manual operation by an occupant of the chair for operating said locking means.

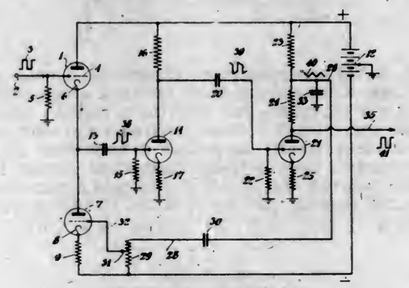
2,423,361
DIRECTIONAL SWITCH OPERATING MECHANISM
Charles W. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1944, Serial No. 560,405
7 Claims. (Cl. 200—5)

2. A directional switch operating mechanism comprising an operating shaft rotatable between two angularly spaced positions, a snap-action switch including an actuating member having a predetermined differential between spaced switch operating positions, and cam means frictionally connected to said shaft for moving said actuating member and including spaced-apart cam surfaces each positioned to maintain said actuating member in one of said switch operating



positions and an intermediate cam surface positioned within the differential range of said actuating member thereby to delay operation of said switch beyond the mid position of said operating shaft in both directions of movement.

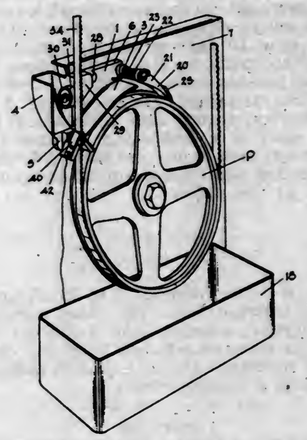
2,423,362
FEED-BACK CIRCUITS
John Richard Banker, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,497
14 Claims. (Cl. 179—171)



1. A feed back circuit, comprising a vacuum tube to the grid of which a signal is applied, a second vacuum tube having a resistance in its cathode circuit and having its plate connected to the cathode of said first tube, an amplifier coupled to the connection between said tubes, and a connection from the plate circuit of said amplifier to the grid of said second vacuum tube.

2,423,363
CLEANING UNIT FOR POWER MEAT CUTTERS
Vincent G. Biro, Ottawa County, Ohio, assignor to The Biro Manufacturing Company, Marblehead, Ohio, a corporation of Ohio
Application March 26, 1946, Serial No. 657,079
2 Claims. (Cl. 143—157)

2. In a power meat cutter machine of the variety having a frame and a continuous band blade tensioned between and moved by two vertically spaced pulleys and having means, including a roller rotatably supported on an arm, for guiding the blade, means, including a pair of resilient scrapers, for cleaning the web of the blade, means, including a scraper, for cleaning the felly of the blade moving pulley, and means, including a guard canopy, for shielding the felly of the blade moving pulley from meat particles falling from the meat cutting plane; the combination therewith of a unit casting forming a support for said several means and disposed below the meat cutting plane of the machine; said casting having a plurality of protuberances extending from one surface thereof and adapted to register and engage with parts of the machine frame; means adapted to engage one of said protuberances to lock the casting on the frame; said casting having trunnion bearings between which the said roller supporting arm is pivotally supported; a spring constrained arm pivotally mounted on the casting for supporting the said scraper; and said guard being integral with said casting and extending laterally therefrom.



2,423,364
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Charles M. Blair, Jr., Webster Groves, and Dale M. Schulz, St. Louis, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application December 10, 1943, Serial No. 513,785
11 Claims. (Cl. 252—342)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsions to the action of a demulsifying agent comprising a sub-resinous esterified adduct, being a member of the class consisting of complete esters, acid esters and ester salts; said adduct being an acyclic alpha-beta unsaturated acid having not over 10 carbon atoms combined at an intermediate point in the carbon atom chain of a non-conjugated, unsaturated, non-hydroxylated, fatty acid acyl radical having at least 8 and not over 32 carbon atoms; said esterified adduct containing at least one occurrence of the radical

$$—COO.(C_nH_{2n}O)_{m''}Z'$$

in which n represents the numerals 2 to 4, m'' the numerals 4 to 20, and Z' is a member of the class consisting of alkyl radicals and acyl radicals having not over 8 carbon atoms.

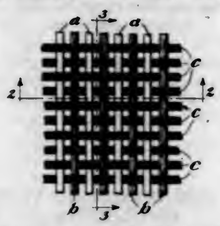
2,423,365
AMINO-ESTER COMPOUNDS
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application December 10, 1943, Serial No. 513,784. Divided and this application August 2, 1944, Serial No. 547,817
10 Claims. (Cl. 260—404)

1. A sub-resinous esterified adduct, being a member selected from the class consisting of complete esters, acid esters and ester salts; said adduct being an acyclic alpha-beta unsaturated acid having not over 10 carbon atoms combined at an intermediate point in the carbon atom chain of a non-conjugated unsaturated non-hydroxylated fatty acid acyl radical having at least 8 and not over 32 carbon atoms; said acyl radical being an integral part of a compound selected from the class consisting of acids, and non-hydroxy esters; said esterified adduct containing at least one occurrence of the radical

$$-COO(C_nH_{2n})N\begin{matrix}RZ'\\TZ'\end{matrix}$$

in which n is the numeral 2 to 20, R and T are members selected from the class consisting of alkyl, alicyclic, alkanol, and arylalkyl radicals, and Z' is a member selected from the class consisting of hydrogen atoms, and acyl radicals having not over 8 carbon atoms.

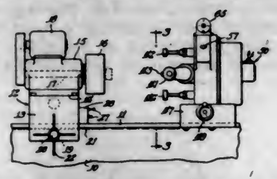
2,423,366
TEXTILE FABRIC AND METHOD OF PRODUCING SAME
Godfrey Bloch, New York, N. Y.
Application September 10, 1943, Serial No. 501,897
9 Claims. (Cl. 139—426)



1. A single yarn woven cloth composed predominantly of spun rayon in which only some of the yarns contain cotton fibres to the extent of between twenty-five and fifty percent of the whole, and some of the yarns have no substantial cotton content, the fabric being dyed with colors fast to bleaching and pre-shrunk.

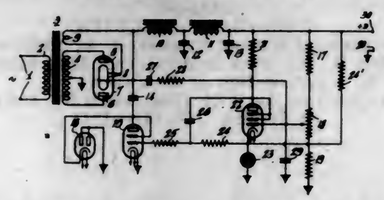
2,423,367
INDEXING UNIVERSAL GRINDING MACHINE
Augustus B. Bolender, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 24, 1944, Serial No. 564,969
17 Claims. (Cl. 51—105)

1. An indexing grinding machine comprising a table; a rotatable headstock on said table; indexing devices for selectively positioning said headstock at stations transversely of said table; a rotatable turret opposing said headstock; means effecting adjustment of said turret transversely on said table; a plurality of rotatable grinding members projecting from said turret adapted to be selectively aligned with the surfaces of the work; indexing means for rotating said turret to selectively position said grinding members with respect to the work surfaces; means for effecting reciprocatory relative move-



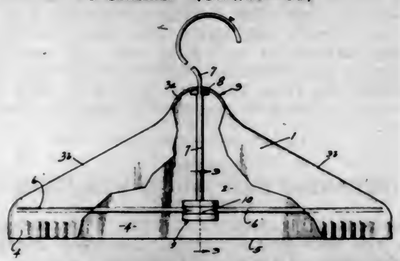
ment between said headstock and turret for engaging a grinding member with a work surface; and means responsive to the indexing movement of said turret for operating said headstock indexing devices.

2,423,368
VOLTAGE REGULATOR
John McCall Brumbaugh, Lansdowne, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 22, 1943, Serial No. 503,588
6 Claims. (Cl. 171—119)



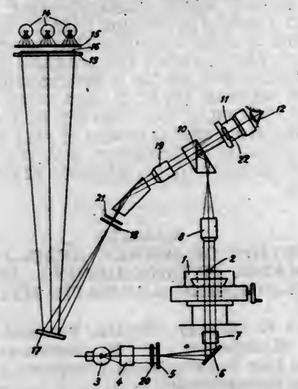
1. A voltage regulator comprising a source of voltage, a smoothing filter network connected to said source, means for deriving a control voltage from the output voltage derived from said network, and means including a capacitor and a thermionic tube serially connected across said filter network and responsive to said control voltage for varying the input shunt impedance presented by said filter network to said source.

2,423,369
GARMENT HANGER
Francis R. Brunner, Los Angeles, Calif.
Application October 9, 1945, Serial No. 621,264
9 Claims. (Cl. 223—91)



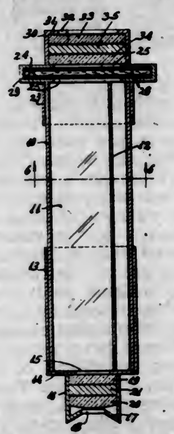
1. A combination garment hanger comprising: a double walled body formed with opposite side walls formed to afford a coat hanging portion and having corresponding portions thereof tensioned to grip and hold portions of garments, and a supporting member mounted at a point midway of the extremities of and between transversely opposite portions of the body and manually operable for spreading said side walls apart to receive a garment and when reversely moved to permit the gripping of the garment by side walls.

2,423,370
IMAGE PROJECTING COMPARISON MICROSCOPE
Karl Butscher, Bienne, Switzerland, assignor, by mesne assignments, to A.-G. Für Mechanisch-Optische Erfindungen, Chur, Switzerland, a joint-stock company of Switzerland
Application June 30, 1942, Serial No. 449,125
In Switzerland July 15, 1941
5 Claims. (Cl. 88—14)



1. In an optical apparatus, a holder for an enlarged comparison means, means for projecting an illuminated image of said comparison means, a measuring microscope, and means for combining the image of the comparison means formed by said projecting means with the image of the object to be tested formed by said microscope to enable simultaneous viewing thereof.

2,423,371
POLARTOSCOPE
Eduardo Carranza, Dunellen, N. J.
Application July 26, 1944, Serial No. 546,648
1 Claim. (Cl. 88—15)



A kaleidoscope comprising a hollow tube, light-reflecting mirrors at an angle to each other and in lengthwise arrangement in said tube, an eye-piece rotatably mounted on one end of said tube including a cemented unit comprising a lens, a Polaroid film inwardly of and adjacent the plane face of said lens, and a translucent glass plate inwardly thereof, a slide-carrier disposed at the other end of said tube, a design-providing slide in said carrier having a sheet of wrinkled fragments of plastic, a Polaroid film adjacent said slide-carrier, and a sheet of translucent glass adjacent the outer face of said last mentioned Polaroid film and cemented thereto said slide carrier being adapted to receive successively a number of slides.

2,423,372
SAFETY DELIVERY RECEPTACLE
Canuto I. Cernuda, Santurce, Puerto Rico
Application December 12, 1945, Serial No. 634,467
4 Claims. (Cl. 232—41)

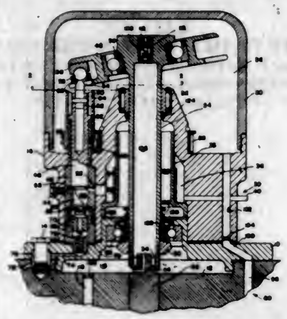


3. In a safety delivery receptacle: the combination with a cabinet; of a depressible platform or false bottom hinged along one edge within the cabinet at the bottom thereof, said cabinet bottom being provided with a money-delivery opening; resilient means of predetermined strength located between the true bottom of the cabinet and the platform to maintain the latter, when unloaded, tilted upwardly about its hinged edge, and said platform, when loaded with a predetermined load, being adapted to assume a substantially level position; a door hinged to the cabinet at the lower portion of its front to seal the cabinet, and a money-introducing slot provided in a front cabinet wall extending upwardly a short distance from the bottom of the cabinet, said wall being behind said door and above said money-delivery opening; a retractible means accessible externally of the cabinet interposed between the money-delivery opening and the money-introducing slot to cover normally the former, said retractible means being spring-urged in the covering direction; a money-receiving box interposed between said slot and opening and having corresponding openings registering respectively therewith; and blocking means rockable with the platform and adapted to engage the retractible means to prevent movement thereof over the money-delivery opening until the platform assumes its level position.

2,423,373
FUEL INJECTOR PUMP MECHANISM
Milton E. Chandler, New Britain, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application August 7, 1945, Serial No. 609,350
11 Claims. (Cl. 103—2)

1. An injector pump for an internal combustion engine comprising in combination, a housing

having therein a main chamber and a separate fuel chamber, means for supplying fuel under pressure to the fuel chamber, a rotary operating shaft having a portion thereof in the main chamber, means driven by the shaft for discharging measured quantities of fuel from the fuel chamber during each rotation of the shaft, means for supplying lubricating oil under pressure to the



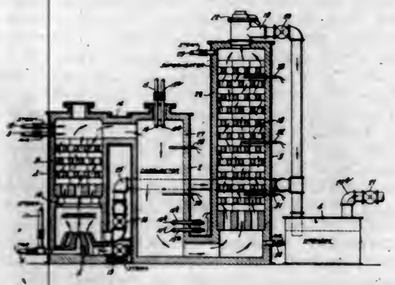
main chamber, a conduit within and extending longitudinally of the operating shaft for the discharge of oil from the main chamber, and a relief valve in the said duct for maintaining the oil pressure in the main chamber below the fuel pressure in the fuel chamber to prevent any leakage of oil from the main chamber to the fuel chamber.

2,423,374

PROCESS FOR PRODUCING AROMATICS AND DIOLEFINS FROM PETROLEUM

Newcomb K. Chaney, Moylan, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application May 1, 1943, Serial No. 485,299
10 Claims. (Cl. 260—668)



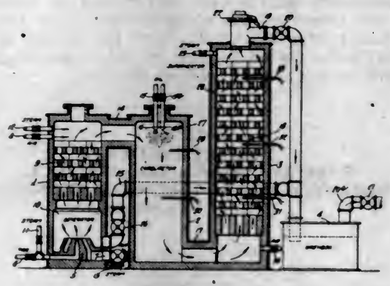
1. A process comprising passing petroleum oil in vapor phase through a heated pyrolyzing path and pyrolyzing said oil therein in the presence of a diluent gas to produce conjugated diolefine material of from 4 to 5 carbon atoms including butadiene and aromatic hydrocarbon material including benzene and with an intensity of pyrolysis at least sufficient to cause the production of at least 20 cubic feet of residual oil gas per gallon of oil pyrolyzed and insufficient to cause the ratio of the total benzene produced per gallon of oil to the total butadiene produced per gallon of oil to be greater than 2 to 1, thereby unavoidably producing paraffine material of boiling point similar to that of said aromatic hydrocarbon material, separating conjugated diolefine material of from 4 to 5 carbon atoms from the resulting products of said pyrolysis, thereafter subjecting at least a portion of the products of said pyrolysis remaining after said separation and containing said aromatic hydrocarbon material and paraffine material of similar boiling point to vapor phase pyrolysis in a second pyrolyzing path under pyrolytic conditions of such intensity that an olefine free fraction separated from the products of said second pyrolysis and having a boiling range of 3° C. included between 107.5° C. and 112.5° C. has a paraffine content of less than 4% by volume, and separating from said products of said second pyrolysis aromatic hydrocarbon material relatively free from paraffinic contamination of similar boiling point.

2,423,375

PRODUCTION OF DIENES, RESIN-FORMING AROMATIC HYDROCARBONS AND NON-RESIN-FORMING AROMATIC HYDROCARBONS

Newcomb K. Chaney, Moylan, Pa., and Edwin L. Hall, Manchester, N. H., assignors to The United Gas Improvement Company, a corporation of Pennsylvania

Application December 29, 1942, Serial No. 470,462
4 Claims. (Cl. 260—666)



1. In a cyclic process for the production of dienes with substantial yields of resin-forming aromatic hydrocarbons and non-resin forming aromatic hydrocarbons in which in one portion of the cycle heat is stored in a gas-making path by the passage of hot blast gases therethrough in contact with the surface of heat storage material arranged therein and in another portion of the cycle the stored heat is employed in the vapor phase pyrolysis of petroleum oil passed through said gas making path the steps which comprise pyrolyzing in said gas-making path in the presence of a substantial proportion of readily condensible diluent gas a petroleum oil selected from the group consisting of petroleum oils below 5 in classification of the Bureau of Mines Index and fractions thereof, said petroleum oil having an average boiling point-density-mean dispersion evaluation factor not higher than 68 as determined by the formula:

Evaluation factor=

$$\left[156-492\left(\text{loglog}\frac{\text{Average boiling point °F.}-114}{d\ 20/4\times10^3-70.7}\right)\right]$$

$$\left[1004\left(\sin\text{ arc tan}\frac{\text{Average boiling point °F.}-160}{H_{F-C}\times10^4-65}\right)-906\right]\times10^{-2}$$

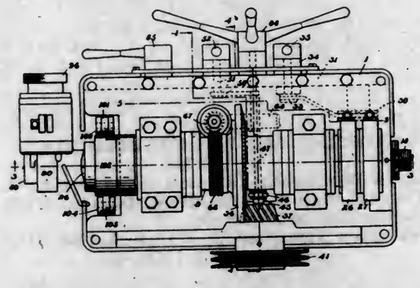
in which d 20/4 is the density of the oil at 20° C. as compared with water at 4° C. and H_{F-C} is the mean dispersion of the oil employing the F and C spectral lines, conducting said pyrolysis while restricting the presence of any blue water gas to less than approximately 35 cubic feet of blue water gas per gallon of petroleum oil pyrolyzed, said cubic feet of blue water gas taken as if measured at a pressure of 760 mm. (Hg) and a temperature of 60° F. adjusting temperature and time of contact conditions and length and distribution of the cycle employed for said pyrolysis such that the volume of residual oil gas produced per gallon of petroleum oil pyrolyzed falls within the range of from 40 to 80 cubic feet taken as if measured at a pressure of 760 mm. (Hg) and at a temperature of 60° F., and such that the relationship between the sulphonation residue and the free carbon obtained is within the sulphonation residue-free carbon relationships lying to the left of and below the curve defined by the equation $X^2(Y-0.03)=0.35$ in which X and Y are respectively rectangular coordinates of free carbon expressed in per cent by weight of the original oil pyrolyzed and sulphonation residue expressed in per cent by volume of the original oil pyrolyzed.

2,423,376

LATHE FOR TURNING DRILL SHANKS

Robert Craig, North Bay, Ontario, Canada, assignor to The Craig Bit Company, Limited, North Bay, Ontario, Canada

Application January 15, 1944, Serial No. 518,472
7 Claims. (Cl. 82—19)



1. A lathe comprising a base, a sleeve rotatably mounted on said base adapted to carry the work to be turned, a bar slidably and rockably mounted parallel with said sleeve, means operatively connected with said rotatable sleeve for reciprocating said bar, a tool carrier mounted on said bar to engage the work carried by said sleeve, means operatively connected to said sleeve for moving said tool-carrying bar longitudinally, and means operative through the rotation of said sleeve for rocking said bar and the tool carried thereby.

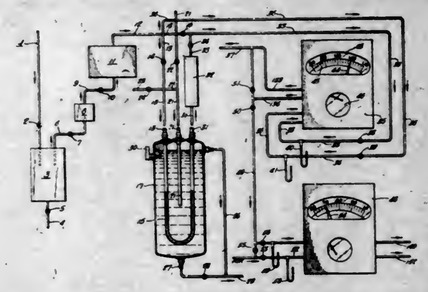
2,423,377

DETERMINATION OF DIOLEFINE MATERIAL IN A GASEOUS MIXTURE

Bassett Ferguson, Jr., Media, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application October 22, 1942, Serial No. 462,937
7 Claims. (Cl. 23—232)

7. In the determination of the proportion of diolefine material present in mixed gases containing the same and also containing a considerable proportion of other material of a density different from the density of said diolefine material, the steps comprising substantially completely and selectively removing said diolefine material from a portion of said mixed gases, and determining the ratio of the density of said portion after said treatment to the density of said mixed gases from which said portion was taken so that said ratio may be employed in calculations to determine the diolefine content of said original mixed gases.

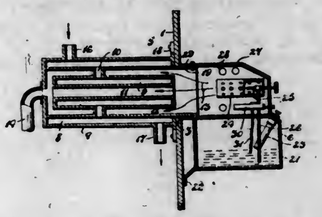


2,423,378

HEATER FOR WATER-COOLED ENGINES

Joseph A. Gaschnitz, Munson, Alberta, Canada

Application May 3, 1943, Serial No. 485,522
In Canada May 26, 1942
6 Claims. (Cl. 123—142.5)



5. An auto and truck engine circulating water heater, comprising in combination, a horizontal water tube boiler having a water inlet and a water return communicating with the jacket of said engine or heater, said boiler being secured to the bulkhead of said auto or truck and around an aperture provided therein, a blow torch designed for connection to said boiler as a removable component of a unit comprising said boiler and said blow torch, said blow torch being positioned upon the cab side of said bulkhead and having a housing surrounding the fire nozzle thereof to isolate the flame therefrom and enclose it within the unit.

2,423,379

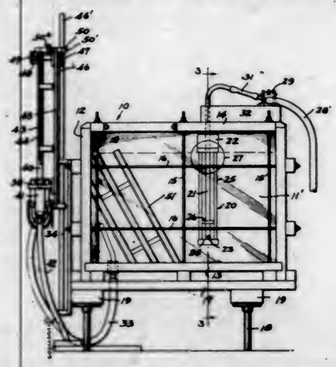
APPARATUS FOR FEEDING SOLUTION TO WATER COMPRISING RECEPTACLES HAVING VERTICALLY ADJUSTABLE CHAMBERS CONNECTED THEREWITH

Robert H. Geiser, Waynesboro, Pa.

Application August 14, 1942, Serial No. 454,850
5 Claims. (Cl. 210—39)

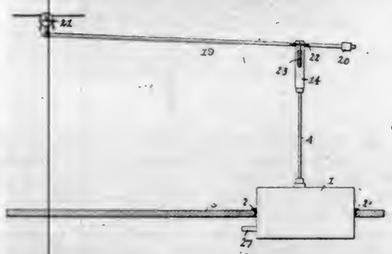
1. In apparatus for feeding a treating solution to a body of water or like fluid, a chamber for receiving solution, means for maintaining a constant level of solution in said chamber, a pressure chamber, a support for said latter chamber, a conduit for conducting solution from said constant level chamber to said pressure chamber, conduit having an interchange-

able restricted orifice extending into said pressure chamber and submerged in the fluid therein, said conduit leading therefrom to the body of water being treated, and manually controlled means for adjusting the height of said support



to thereby adjust the height of said pressure chamber with respect to the level of solution in said constant level chamber to thereby vary the feed of solution from said pressure chamber to and through said latter conduit.

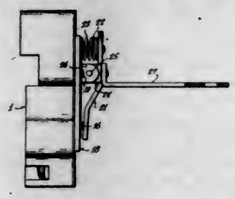
2,423,380
TOY AIRPLANE EQUIPMENT
Stephen R. Gerbino, East Paterson, and Daniel E. Whitney, Hawthorne, N. J.
Application April 19, 1946, Serial No. 663,342
7 Claims. (Cl. 272—31)



1. In combination, a support and a rotary train of parts journaled therein and including a driving member and an upright standard projecting from the support and rotative therein around its own axis and having, remote from the support, an arm projecting laterally from the standard and including, remote from said axis, a soaring device, said train also including slip-friction rotation-transmitting means interposed between the portions of the train which respectively include said member and the arm.

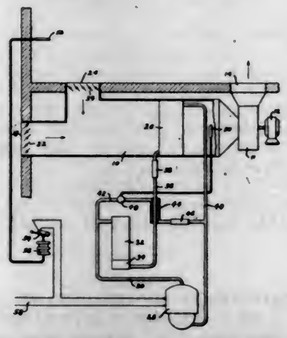
2,423,381
TWO-POSITION SWITCH
Manfred L. Glogau, Shorewood, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 6, 1944, Serial No. 534,481
5 Claims. (Cl. 200—67)

1. In a two position snap over switch, a movable contact carrier, a movable throwing member, said carrier and said throwing member being capable of passing to and from positions on opposite sides of one another and being resiliently related to one another to assume and when displaced therefrom to tend to return to one of said positions in the absence of applied stress, over center means interposed between said carrier and said throwing member adapted to urge them toward either of said positions but incapable of sufficient force to prevent return of said carrier and throwing member to said position to which they tend to return, an actuator adapted to engage said throwing member, a counter-loading means adapted to act upon said actuator to cause it to maintain engagement with said throwing member at all times and to exert a force in such a direction and with such intensity as to cause



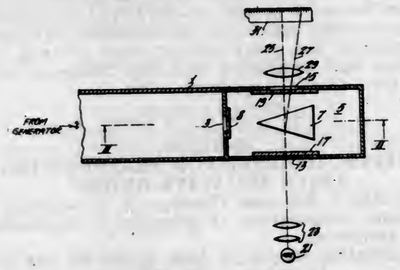
said carrier and said throwing member aided by said over center means when in said position from which they tend to return to remain there, the intensity of the force exerted by said counter-loading means being insufficient when said carrier and throwing member are in said position to which they tend to return to overcome the opposition of said over center means, a movable electrical contact and means for establishing electrical connection therewith carried upon said contact carrier, a stationary electrical contact disposed to be engaged by said movable contact when said carrier is in one of its positions, and means for applying an actuating force to said actuator.

2,423,382
CONTROL FOR AIR CONDITIONING SYSTEMS
Charles D. Graham, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 20, 1943, Serial No. 511,079
15 Claims. (Cl. 62—3)



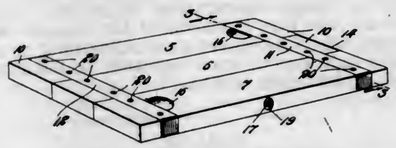
1. In a refrigerating system, evaporator means, means for flowing air in thermal exchange relationship with said evaporator means, condenser means, refrigerant compressor means for withdrawing vaporized refrigerant from said evaporator means and for discharging compressed refrigerant into said condenser means, fixed restrictor means controlling the flow of refrigerant from said condenser means to said evaporator means, and means for by-passing refrigerant from a point ahead of said fixed restrictor to a point beyond said evaporator means in response to a decrease in the temperature of the air leaving said evaporator means.

2,423,383
ABSORPTIVE GAS MICROWAVE MEASURING SYSTEM
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 15, 1944, Serial No. 540,428. Divided and this application February 13, 1945, Serial No. 577,709
6 Claims. (Cl. 171—95)



1. A microwave energy responsive indicator including a microwave resonant chamber for enclosing a microwave energy absorptive gas, means for introducing microwave energy to be measured into said chamber to establish a microwave field in said gas for varying the light refractive properties of said gas, a light beam source, an indicating light target, and means for directing said light beam through said variably refractive gas to impinge upon said target in a manner whereby said beam is refracted as a function of the intensity of said field.

2,423,384
HATCH COVER
Dudley Hess, Woodside, N. Y.
Application April 9, 1945, Serial No. 587,343
2 Claims. (Cl. 114—201)

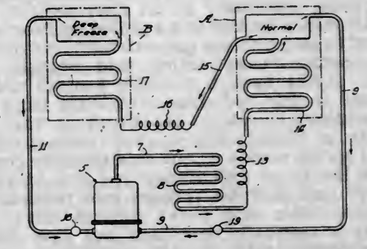


1. A hatch cover comprising planks in edge-to-edge relation, those at the outer edges having hand hole openings in the upper faces, near the ends of the same, said planks having grooves circumscribing the hatch cover, extending across the upper and lower faces and about the outer edges of the same, said grooves being located inward from the ends of the planks and crossing over the edge portions of said hand hole openings nearest the adjoining ends of the planks and bands surrounding the hatch cover, seated flush in said grooves and having edge portions extending over the edge portions of said hand hole openings to form hand grips located along the inner edges of said bands.

2,423,385
PROCESS OF PICKLING AND OF RECOVERING PICKLING AGENT
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, Woodside, Long Island, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware, as trustee
No Drawing. Application July 27, 1944, Serial No. 546,934
4 Claims. (Cl. 134—10)

3. A method of pickling ferrous material which comprises, contacting the material with a hydrochloric acid solution derived from the thermal decomposition of hydrated magnesium chloride, utilizing such solution until it contains a substantial concentration of iron chloride, treating such iron chloride solution with magnesium oxide and air to precipitate most of the iron as ferric hydroxide, separating the precipitate from the magnesium chloride solution evaporating such chloride solution and heating the residue to effect the said thermal decomposition to produce the magnesium oxide and hydrochloric acid.

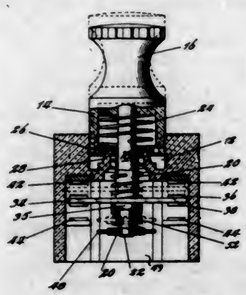
2,423,386
TWO-TEMPERATURE REFRIGERATING SYSTEM
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 21, 1944, Serial No. 523,280
6 Claims. (Cl. 62—115)



1. A two-temperature refrigerating system comprising, in combination, a compressor, a condenser into which compressed refrigerant is discharged from said compressor, a first evaporator, a second evaporator, a refrigerant restrictor means connected to and disposed between said condenser and said first evaporator and having a passage of relatively small cross-section therethrough for said refrigerant, said first evaporator being adaptable to vaporize a portion of said refrigerant received by it, vapor conduit means connected between said first evaporator and said compressor whereby said vaporized portion of said refrigerant will be conveyed from said first evaporator to said compressor, check valve means interposed in said last mentioned conduit means adaptable to prevent oil or extraneous matter from working up into said first evaporator, refrigerant conduit means connected between said first evaporator and said second evaporator adaptable to convey to said second evaporator the remaining liquid refrigerant in said first evaporator, said last mentioned refrigerant conduit means including restrictor means having a relatively small cross-section therethrough for said refrigerant, said second evaporator being adaptable to vaporize said liquid refrigerant received by it, vapor conduit means connected between said second evaporator and said compressor whereby said vaporized refrigerant in said second evaporator

will be conveyed to said compressor, and check valve means interposed in said last mentioned conduit means adaptable to reduce reexpansion volume of the refrigerant to a minimum.

2,423,387
PUSH-PULL SWITCH
David W. Johnson, New Britain, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application April 9, 1943, Serial No. 482,449
5 Claims. (Cl. 200—159)



1. In a push-pull electric switch, an insulating base, a manually operable plunger normally maintained stationary in an intermediate position between a pushed and a pulled position, a rod secured to said plunger and extending within said base, spring means urging said plunger outwardly of the base, a movable contact slidably mounted on said rod, upper and lower fixed contacts engaged by said movable contact when said plunger is pulled and pushed respectively, a second spring means urging said movable contact toward the inner end of said rod and operating to move said movable contact into resilient engagement with said lower contact when said plunger is manually depressed and also operating to return said movable contact to intermediate position upon release of said plunger from pulled position, and a third spring means forming a cushion when said movable and upper contacts engage and opposing the movement of said contact on said rod by said second spring means, said first spring means and said second spring means cooperating with said base and with the third spring to hold said movable contact in an intermediate position from which it may be pushed or pulled at will.

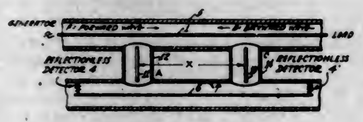
2,423,388
METHOD FOR PURIFYING STYRENE
Claude W. Jordan, Paoli, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 17, 1941, Serial No. 398,403
1 Claim. (Cl. 260—669)

A process for purifying styrene in admixture with phenyl acetylene which comprises emulsifying said contaminated styrene with liquid ammonia by rapid agitation, adding to the agitated emulsion finely divided sodium under temperature conditions between —33° and 50° C. and under other conditions insufficiently drastic to polymerize a large part of said styrene, and separating styrene from the resulting mass less contaminated with phenyl acetylene.

2,423,389
PROCESS FOR PURIFYING AN ARYL OLEFINE HAVING THE STYRENE STRUCTURE AS A NUCLEUS
Claude W. Jordan, Paoli, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application October 24, 1944, Serial No. 560,195. In Canada September 23, 1944
12 Claims. (Cl. 260—669)

1. A process for purifying an aryl olefine having the styrene structure as a nucleus contained in a mixture which also contains at least one acetylenic compound of similar boiling point and having a hydrogen atom attached to a carbon atom of a triple bond and at least one aldehyde of similar boiling point which comprises commingling with said mixture a finely divided amide of a metal selected from the group consisting of metals of groups IA and IIA of the periodic system under conditions insufficiently drastic to polymerize the preponderant part of said aryl olefine, and separating said aryl olefine in purified form from the resulting mass.

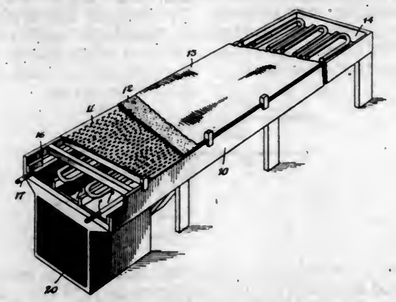
2,423,390
REFLECTOMETER FOR TRANSMISSION LINES AND WAVE GUIDES
Nathaniel I. Korman, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1944, Serial No. 528,655
14 Claims. (Cl. 171—95)



1. A reflectometer for measuring traveling waves over a wide frequency range on a radio frequency transmission line including a first indicator, a second indicator, first means aperiodically inductively coupled between said line and said indicators, and second means aperiodically inductively coupled between said line and said indicators, said first and said second coupling means being in phase opposition and both of said coupling means cooperating to provide indications on said first indicator of the magnitude of forward-traveling waves and indications on said second indicator of the magnitude of backward-traveling waves on said line.

2,423,391
SCREEN PRINTING TABLE
John B. Kozloff, Brooklyn, N. Y.
Application February 21, 1945, Serial No. 579,026
1 Claim. (Cl. 34—237)

A screen printing device including a table having a screen top comprising a screen, a felt layer covering said screen and a layer of muslin covering said felt, a chamber immediately below said screen top and coextensive therewith, said chamber being open to said screen top, a steam pipe in said chamber which loops back and forth to form a plurality of horizontally disposed portions of substantially equal length, extending from one end to the other of said chamber, a blower at one end of the table communicating at its inlet end with the atmosphere and at its outlet end with said chamber, whereby fresh air is drawn into said chamber where it is heated by



said steam pipe and the heated air is forced out of said chamber through said screen top.

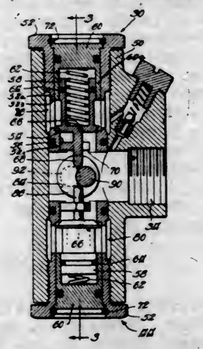
2,423,392
BABY TENDER
Charlotte S. Krogh, Compton, Calif.
Application August 26, 1946, Serial No. 693,128
1 Claim. (Cl. 128—134)



A device of the class described comprising a sheet adapted to be positioned on a bed and to extend from side to side thereof, means for anchoring the corners of the sheet to the bed at the sides thereof, a garment having a front and back integrally connected and having a neck receiving opening at the juncture between the front and back, means for detachably fastening the sides of the garment about the sides of an infant, the ends of the garment being tapered and adapted to be connected beneath the crotch of the infant, ties secured to the back of the garment intermediate the neck opening and its tapered end, said ties being arranged in overlapping relation and extending from their respective points of attachment to the back of the garment in opposite directions toward the opposite sides of the sheet and having their ends secured to the sheet intermediate and remote from the corners and sides of the sheet.

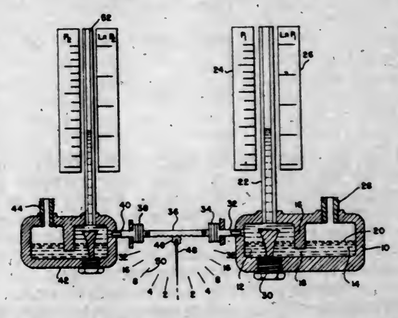
2,423,393
BALANCED VALVE ASSEMBLY
John A. Lauck, South Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 30, 1943, Serial No. 485,187
3 Claims. (Cl. 251—132)

1. A valve comprising in combination a hollow plug with a depending skirt portion and provided with port means in said skirt portion and a radially inwardly extending ledge portion comprising a valve seat adjacent the end of said skirt, said skirt likewise having a valve guiding portion extending radially inwardly and bored to guidably receive the stem of a valve therein, an insert likewise having a skirt portion, said insert being seated in said hollow plug and removably retained therein by a snap ring, a valve element movably mounted in the skirt of said insert, said valve element seating on said valve seat whereby the end of said plug is closed, said valve element having a depending stem portion extending



through said guiding portion, spring means urging said valve element in seating direction, the arrangement being such that said valve element is normally seated, but may be unseated by pressure exerted on the end of said valve stem whereby passage means is opened from said port means in the skirt of the plug and through said valve between said valve element and said valve seat.

2,423,394
DEVICE FOR MEASURING THE RATIO BETWEEN TWO VARIABLES
Leighton Lee, II, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application December 30, 1943, Serial No. 516,231
6 Claims. (Cl. 73—196)



1. Apparatus for measuring the ratio between first and second variable pressures, comprising an exhibiting member, means for positioning said member in accordance with the difference between third and fourth pressures, a scale adjacent said member for reading the antilogarithm of said difference and a pair of means for varying said third and fourth pressures, respectively, as the logarithm of said first and second pressures so that the antilogarithm of said difference is a measure of the ratio of said conditions, each of said pair of pressure varying means including a pair of chambers, a connection between the lower portions of said chambers, a tube extending upwardly from one of said chambers and having a

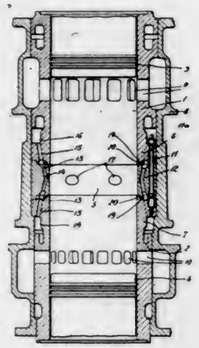
cross-sectional area relatively small as compared to that of said one chamber, a first fluid filling said chambers to a point substantially above said connection, a second fluid of lower density than said first fluid and nonmiscible therewith filling said one chamber above the level of said first fluid and extending upwardly into said tube, said one chamber having an effective cross-sectional area varying with its depth so that the volume of said second fluid displaced from said one chamber varies as a logarithmic function of the level of said first fluid therein, means for subjecting the surface of said first fluid in the other of said chambers to one of said first and second variable pressures and hence varying the pressure at the base of said tube in accordance with the logarithm of said one pressure, and means for communicating the pressure at the base of the tube in each of said pressure varying means to said member positioning means.

2,423,395

OPPOSED PISTON ENGINE CYLINDER LINER

Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application February 16, 1945, Serial No. 578,262
In Switzerland June 7, 1944
6 Claims. (Cl. 123—173)



1. A cylinder for opposed pistons comprising a liner for each piston, a center ring coaxially positioned between the two liners, means for effecting a gas-tight connection between the liners and the center ring, a cooling space at the place of contact between each liner and the center ring, passages in the center ring connecting the two cooling spaces together, a cylinder jacket for each cylinder liner, a cooling space between each liner and its jacket, and passageways connecting each cooling space between the center ring and the liners with a cooling space between each liner and its jacket.

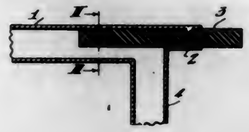
2,423,396

WAVE GUIDE ATTENUATOR

Ernest G. Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 1, 1943, Serial No. 485,356
8 Claims. (Cl. 178—44)

1. A dielectric guide attenuator for super-high frequency energy including a first wave guide having an opening therein at the end remote from the source of said energy, a plug of energy absorptive material disposed within said first wave guide displacing transversely the normal dielectric of said guide and extending outside of said guide through said opening, a second wave guide dis-



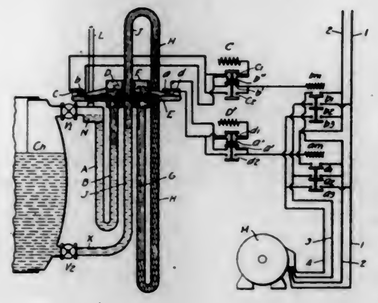
posed in operable relation normally with respect to said first wave guide adjacent to said plug, and means for adjusting the degree of penetration of said plug into said first wave guide for varying the effective attenuating length of said plug along the axis of wave propagation in said guide.

2,423,397

STEAM BOILER REGULATING SYSTEM

Jean Loumiet et Lavigne, Itabo, Cuba

Application October 8, 1941, Serial No. 414,052
In Cuba October 17, 1940
17 Claims. (Cl. 122—448)



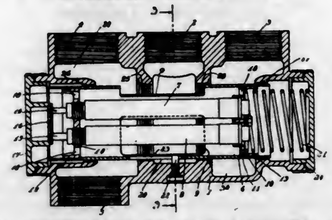
1. An automatic regulating system for steam boiler systems comprising a coil formed of vertical tubes and arranged with one end of the coil connected to the steam zone in the boiler, non-miscible liquids of different densities filling said tubes, the upper ends of two adjacent tubes being connected by a horizontal tube of reduced diameter, one of the liquids being a column of mercury located in the horizontal tube, the arrangement being such that the mercury column is shifted by movements of the liquids in the coil in accordance with variations in an operating characteristic of the boiler, and said liquids are maintained in equilibrium by variations in the proportion of light and heavy liquid in each tube when said liquids are shifted, counterbalancing the changes in pressure due to variations in said operating characteristic causing such shift, the liquids contacting the ends of the mercury column being poor conductors of electricity, means for adjusting a fluid feed to the boiler system, and electrical control means for the adjusting means connected to said mercury column and actuated by movement thereof, arranged to vary said feed in accordance with variations in the position of said mercury column corresponding to variations in said operating characteristic.

2,423,398

THERMOSTATIC DEVICE FOR CONTROLLING FOR COOLING PURPOSES, THE FLOW OF FLUIDS

William Frederick Forrest Martin-Hurst, Sunbury-on-Thames, England

Application March 29, 1943, Serial No. 481,029
In Great Britain March 2, 1942
4 Claims. (Cl. 236—34)



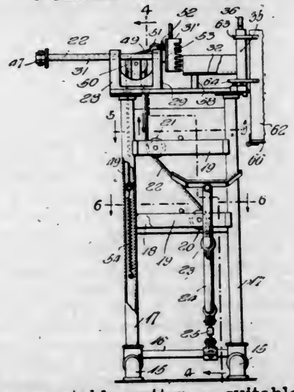
1. A thermostatic device for controlling the flow of cooling liquid in internal combustion engines, comprising a housing having axially spaced and aligned annular shoulders dividing the housing into an inlet chamber and a pair of outlet chambers disposed at the respective sides of the inlet chamber and having means for connecting them to a cooler and to a by-pass respectively, a hollow sleeve valve extending through and fitted to slide axially of said shoulders and having a port in a side thereof of an axial length greater than the axial spacing of said shoulders to remain in communication with the inlet chamber throughout the range of movement of the sleeve valve and to extend into one or the other of said outlet chambers when the sleeve valve is moved toward one or the other end of its range of movement, an expansible thermostat mounted within and extending longitudinally of the axis of the sleeve valve and operative when expanded to move the sleeve valve toward a position wherein said port in the sleeve valve extends from the inlet chamber into the cooler outlet chamber, and a spring acting on the sleeve valve to move the latter toward a position wherein said port in the sleeve valve extends from the inlet chamber into the by-pass outlet chamber.

2,423,399

VEGETABLE CUTTER WITH STATIONARY KNIVES AND RECIPROCATING PLUNGER

Joseph V. Myers, Tampa, Fla.

Application December 4, 1943, Serial No. 512,922
3 Claims. (Cl. 146—169)



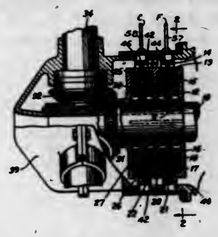
1. In a vegetable cutter, a suitable frame, a table mediately supported thereon for receiving vegetables, a die block operatively associated with the table, rods connected to the die block and mounted for reciprocation with respect to the frame, a yoke connecting the outer ends of the rods, a cable connected to the yoke, a pedal to which the opposite end of the cable is connected, guiding pulleys over which the said cable operates, a cable mediately connected to the die block, a spring at the end of the last mentioned cable operative to pull the die block outwardly against the action of the first mentioned cable, and a vegetable cutter at the edge of the table opposite that occupied by the die block, whereby vegetables pushed by the die block are subjected to the action of knives.

2,423,400

PROPELLER

Harry J. Nichols, Binghamton, N. Y.

Application June 6, 1941, Serial No. 396,936
12 Claims. (Cl. 170—163)



8. In a variable pitch propeller having a drive shaft and blades rotatable about their axes to vary the pitch, means for so rotating said blades including an irreversible differential-gear system in two sections for selectively varying the pitch in either direction, the first section including a first gear mounted on the propeller drive shaft and driven thereby, a second gear mounted loose on said shaft, and a first epicyclic member mounted loose on said shaft between the first and second gears and carrying planet pinions adapted to coact with said adjacent gears for producing differential action therebetween; and the second section including an intermediate gear connected to rotate with the aforesaid second gear, a third gear loose on said shaft operatively associated with means for rotating the blades, and a second epicyclic member mounted loose on said shaft between the intermediate and third gears and carrying planet pinions adapted to coact with said adjacent gears for producing reverse differential action between said adjacent gears.

2,423,401

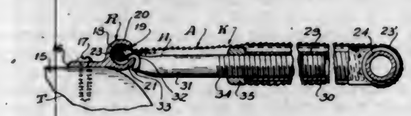
ALKYLATION OF ISOPARAFFINS

Arlie A. O'Kelly, Woodbury, N. J., Robert H. Work, Philadelphia, Pa., and Julius Plucker, III, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application March 16, 1943, Serial No. 479,376
9 Claims. (Cl. 260—683.4)

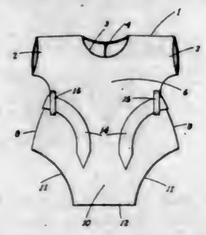
2. In a process of synthesizing branched-chain hydrocarbons of high anti-knock rating boiling in the gasoline range by an alkylation reaction between an olefin and a branched-chain paraffin hydrocarbon, the improvement which comprises conducting the alkylation reaction in the presence of a small amount less than 1% by weight based on hydrocarbons charged of a phenol.

2,423,402
AWNING SUPPORTING FRAME AND ADJUSTABLE CONNECTOR THEREFOR
Elmer C. Olsen, Monterey Park, Calif.
Application February 20, 1945, Serial No. 578,884
8 Claims. (Cl. 135—5)



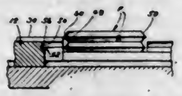
4. In an awning supporting frame; a channeled rail; and a member arranged at right angles to said rail having a head engaging said rail, and extensible parts for varying the length of said member.

2,423,403
INFANT'S ROMPER
Bernice J. Peterson, Stockton, Calif.
Application June 19, 1944, Serial No. 540,964
2 Claims. (Cl. 2—80)



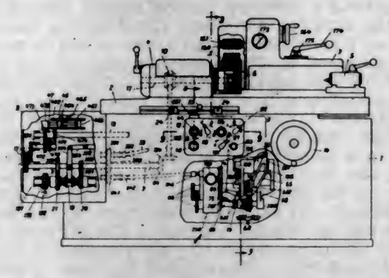
1. An infant's garment comprising a slip over waist comprising matching front and back panels each of which includes a portion depending below the waist line to a point closely adjacent the crotch, each of such portions first flaring outwardly, and then curving inwardly and downwardly, such panels being secured together to the point of termination of the outwardly flaring portions thereof and being disconnected throughout the inwardly and downwardly curving portions thereof, a crotch portion forming a continuation of the lower end of one panel, the edges of the crotch portion curving outwardly and downwardly from the lower end of such panel, a seat portion formed at and depending from the lower end of such crotch portion, such seat portion being adapted to be folded over one of the body panels, and means to secure such seat portion in such folded position.

2,423,404
PLATE DISPENSER FOR AUTOMATIC PHOTOGRAPHIC MACHINES
Daniel Pollack, Forest Hills, N. Y., assignor to International Mutoscope Corporation, Long Island City, N. Y., a corporation of New York
Application October 5, 1944, Serial No. 557,250
4 Claims. (Cl. 95—13)



1. In an automatic photographic machine of the type which is provided with a frame-plate magazine and a camera, a guide and a projector for the projection of said frame-plates from the magazine to the camera, said guide comprising a horizontal member having a recess extending longitudinally thereof and defined by laterally spaced side walls, said projector having a lower portion projecting into said recess and provided with side edge portions in slidable guiding engagement with said side walls, respectively, and shoulders engageable with said guide member above said recess for supporting said projector, for movement on said guide member, and means secured to said member above said recess providing guides for said frame plates, whereby the projector and frame-plates are supported for sliding movement in their own guideways, respectively.

2,423,405
SCREW THREAD GRINDING MACHINE
Alfred Rickenmann, Zurich, Switzerland
Application January 8, 1944, Serial No. 517,504
In Switzerland April 16, 1942
9 Claims. (Cl. 51—95)



1. In a screw thread grinding machine, a base, a table slidably mounted on said base, means for reciprocating said table along said base, means for rotatably supporting a workpiece, said means including a headstock mounted on said table, and a work spindle rotatably mounted in said headstock, and adapted to rotate the workpiece, means for driving said work spindle, a tool slide mounted on said base movable at a right angle to the path of movement of said table, a rotary grinding disk on a shaft and an independent power drive for said shaft mounted on said tool slide, said grinding disk having a pluraltiy of annular grinding ribs for simultaneously producing a plurality of thread convolutions on the workpiece, manually operable means for moving said tool slide including a shaft rotatably mounted in said base and in threaded engagement with said tool slide, and fluid pressure operated means adapted to automatically move said tool slide to advance the grinding disk toward the workpiece on said table independently of said manually operable means, said fluid pressure operated means including a piston fixed on said last named shaft which is in threaded engagement with said tool slide, a cylinder for said piston formed by a cylindrical recess in said base, means for conducting fluid pressure into said cylinder for causing a displacement of said piston and therewith said last named shaft in axial direction, cam means operatively connected with said work spindle driving means and operated thereby in timed relation to said work spindle for controlling and limiting the axial movement of said piston in a direction in which the grinding disc moves toward the workpiece in a predetermined number of successive passes, and means for adjusting said cam means to the desired number of grinding passes and to the desired amount of feed for each grinding pass prior to the beginning of the grinding operation.

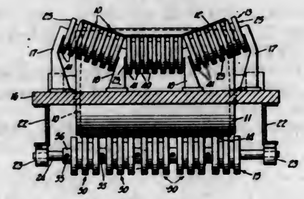
2,423,406
PETROLEUM DISTILLATE AND METHOD OF IMPROVING
Eugene T. Scafe and John Herman, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 25, 1942, Serial No. 432,282
4 Claims. (Cl. 44—76)

1. The method of stabilizing a light petroleum solvent which, when boiling, normally causes substantial discoloration of a copper strip immersed therein for thirty minutes, which consists of admixing with said solvent a minor proportion, from about 0.001 per cent to less than 0.05 per cent, by weight, sufficient to inhibit said discoloration, of a compound characterized by the general formula:

R—SH

wherein R is an aromatic radical selected from the group consisting of alkyl substituted—and unsubstituted—phenyl, naphthyl and diphenyl radicals, and wherein the sulfur of the —SH group is linked to a nuclear carbon atom of said aromatic radical R, the sulfur present in said compound being only in the form of R—SH.

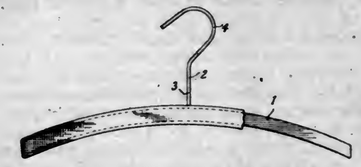
2,423,407
IDLER ROLLER FOR BELT CONVEYORS
Amos Searles, Moscow, Pa., and Charles A. Swartz, Yonkers, N. Y.
Application March 18, 1943, Serial No. 479,558
6 Claims. (Cl. 74—230.7)



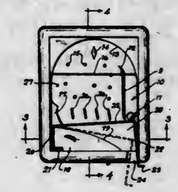
1. A belt conveyor idler for supporting the active run of the belt comprising a plurality of idler rolls, each of said rolls comprising a metal hub, an axle for supporting said hub, a sleeve of resilient material closely embracing said hub and anchored thereto against displacement relative thereto, and means for reinforcing the annular base of said sleeve against stretching while the outer belt supporting peripheral portion of said sleeve is free to distort elastically under pressure, said reinforcing means being spaced radially outwardly from the inner periphery of the sleeve, whereby said hub is free from direct gripping contact by said reinforcing means, and means for supporting said rolls in angular relationship to trough the conveyor belt thereon.

2,423,408
GARMENT HANGER
Albert Sedacca and Samuel Tom Phillips, New York, N. Y.
Application November 22, 1944, Serial No. 564,568
2 Claims. (Cl. 223—88)

1. A garment hanger having a supporting bar provided with an aperture extending completely through it, an internally threaded sleeve of less length than the aperture, said sleeve being fitted in one end of the aperture and having its threaded portion disposed wholly within the aperture and terminating short of the opposite end of the aperture, means for holding the sleeve against rotative movement within the aperture comprising a flange at one end of the sleeve countersunk in the body of the supporting bar, a hook entering the aperture remote from the point of entry of the sleeve therein, said hook having screw threads which are located wholly within the aperture and concealed by the parts of the body of the bar surrounding said aperture.

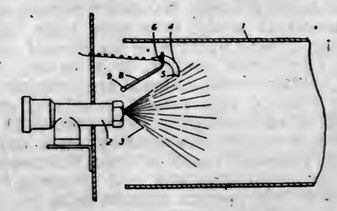


2,423,409
MINIATURE PINBALL DEVICE
Anatol Shulkin, New York, N. Y.
Application December 18, 1944, Serial No. 568,706
8 Claims. (Cl. 273—122)



3. A pin ball device of the class described comprising a body and a palying field embodying a chute, ball engaging and deflecting obstacles and a plurality of ball-scoring stalls, an insert mounted in said body at the ball-return end of the field, said insert having a keeper notch, and a spring ball projector device having one end portion bent and anchored in said notch with the opposite end being laterally bent to provide a handle, the intermediate portion spanning and bridging the intake end of the chute and the discharge ends of the stalls.

2,423,410
IGNITION APPARATUS FOR LIQUID FUEL FIRED FURNACES
Edward George Simmons, Chiswick, London, England
Application May 19, 1944, Serial No. 536,355
In Great Britain May 26, 1943
4 Claims. (Cl. 175—115)



1. Apparatus for use in igniting electrically the sprayed liquid fuel of liquid fuel-fired furnaces, which comprises in combination, a tubular member, means mounting said tubular mem-

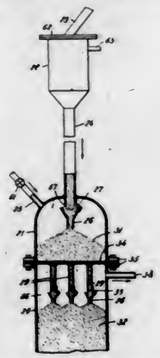
ber in the furnace whereby the inner end at least of the tubular member will be within the combustion space of the furnace, a sparking plug supported in the outermost end of said tubular member and acting as a closure for said end, the tubular member being of such a length that the points of the sparking plug are enclosed within the tubular member and thus shielded from the liquid fuel spray, the inner end of said tubular member being open and intersecting the fuel spray, and a division plate being disposed lengthwise and within said tubular member and disposed in spaced relation from said sparking plug, whereby while the spray or liquid laden air is picked up at the inner open end of said member, the spray or liquid content is quickly deposited on the walls of said member leaving only an inflammable vapor in the air and, since no liquid is conveyed to the points of the said sparking plug, the latter is not rendered ineffective, but sufficient vapor-laden air is conveyed to the points of the sparking plug to provide an inflammable mixture which allows ignition to take place.

2,423,411

METHOD AND APPARATUS FOR TRANSFERRING PARTICLE FORM SOLIDS

Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application January 19, 1944, Serial No. 518,820
9 Claims. (Cl. 196—52)



1. A method of conducting particle form solid contact mass material from an elevated zone to a second zone therebelow wherein a gaseous pressure is maintained in one of said zones above that in the other of said zones comprising the steps: flowing said contact material from said uppermost zone as a substantially compact confined column of downwardly flowing particle form contact mass material onto an accumulation of said contact material in said lowermost zone, said accumulation serving to throttle the flow of contact material from said column and having at its broadest point a cross sectional area substantially less than that of said second zone and greater than that of said column; withdrawing at least one stream of contact material, symmetrically located with respect to said column, from said accumulation; controlling the rate of contact material flow in said stream substantially below the possible rate of supply of contact material from said column to said accumulation, while freely exposing the surface of said accumulation and the withdrawal stream therefrom to the gaseous pressure within said lowermost zone.

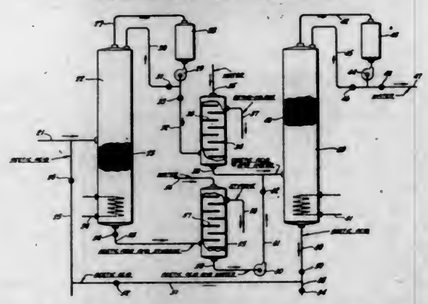
9. In an apparatus for conducting conversion of hydrocarbons in the presence of a particle-form solid contact material, a conversion chamber; a hydrocarbon charge inlet to said chamber and a hydrocarbon product outlet from said chamber spaced from said inlet; a second chamber located above said conversion chamber; means to continuously supply particle-form contact material to said second chamber at a rate sufficient to maintain a bed of such contact material therein and means to maintain a gaseous pressure therein greater than the gaseous pressure in said conversion chamber; an elongated conduit depending from the bottom of said second chamber for passage of contact material therefrom; said conduit terminating within said conversion chamber below the upper end thereof; a basin, supported within said conversion chamber below and sufficiently near the lower end of said conduit to prevent the overflow of contact material from said basin and the horizontal cross-sectional area of said basin being at its widest plane substantially less than that of said conversion chamber and greater than that of said conduit; at least one member adapted to rigidly support said basin within said conversion chamber; an outlet on the bottom of said basin for contact material flow therefrom down into said conversion chamber, said outlet being sufficiently restricted in size to limit the rate of contact material flow from said basin below that corresponding to free flow in said conduit; and finally a pipe connected near the lower end of said conversion chamber for outlet of contact material therefrom.

2,423,412

AZEOTROPIC DISTILLATION OF OTHER AROMATIC HYDROCARBONS FROM STYRENE WITH ACETIC ACID

Edward H. Smoker, Drexel Hill, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application June 2, 1943, Serial No. 489,342
20 Claims. (Cl. 202—42)



12. A process for the separation of styrene from a mixture containing styrene and xylene which comprises admixing acetic acid with said mixture, and distilling the resulting admixture.

2,423,413

ELECTRICAL INSULATING OILS

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application February 10, 1943, Serial No. 475,440
12 Claims. (Cl. 252—63)

1. As a new composition of matter, an electrical insulating oil comprising castor oil and an aromatic hydrocarbon oil boiling above 210° C., having a mixed aniline point below 15° C., and separated from petroleum oil gas tar.

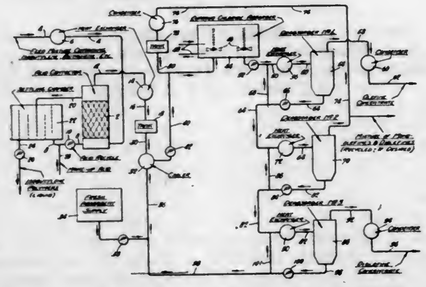
2. An electrical conductor insulated by material comprising an aromatic hydrocarbon oil boiling above 210° C., containing a mixture of aromatic hydrocarbons constituting at least 95% thereof, having a mixed aniline point below 15° C., and separated from petroleum tar produced in the vapor phase pyrolysis of petroleum oil.

2,423,414

PROCESS FOR RECOVERING DIOLEFINS FROM HYDROCARBON MIXTURES

Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application April 7, 1943, Serial No. 482,175
6 Claims. (Cl. 260—681.5)



1. A process for the separation of diolefine material from a mixture thereof with monoolefine material, including isoolefine material, which comprises contacting said mixture with an absorption medium under conditions of temperature and pressure such that both diolefine material and monoolefine material, including monoisoolefine material, are absorbed therein; subjecting said absorption medium containing absorbed material in a plurality of deabsorption stages to increasingly drastic conditions of deabsorption, thereby obtaining at least one fraction containing substantial quantities of both diolefine material and monoolefine material, including isoolefine material, and at least one fraction of relatively concentrated diolefine material, subjecting said first-mentioned fraction containing substantial quantities of both diolefine material and monoolefine material to selective polymerization conditions sufficiently drastic to polymerize at least a preponderant portion of said monoolefine material, including said isoolefine material, but insufficiently drastic to affect a large portion of said diolefine material; and separating monoolefine polymerization products from the resulting mixture, the remaining portion of said resulting mixture constituting additional relatively concentrated diolefine material.

2,423,415

PROCESS FOR THE PRODUCTION OF AN INDENE PHENOL

Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application May 17, 1943, Serial No. 487,338
5 Claims. (Cl. 260—619)

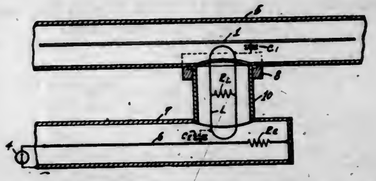
1. A process for the production of an indene phenol from indene which comprises reacting indene with a hydrohalide to produce indene hydrohalide and reacting the indene hydrohalide thus produced with phenol in the presence of aluminum chloride to produce said indene phenol.

2,423,416

NONFREQUENCY-SELECTIVE REFLECTOMETER

Carl G. Sontheimer, Haddonfield, and Nathaniel I. Korman, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application March 30, 1944, Serial No. 528,786
17 Claims. (Cl. 171—95)



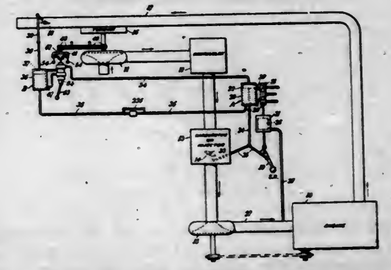
1. Apparatus for measuring standing waves on a radio frequency transmission line including indicating means, and common lumped adjustable directional means coupled to said transmission line and providing fixed capacitive and adjustably directional inductive coupling between said line and said indicating means, and means for adjusting the directional characteristics of said inductive coupling to provide an indication of the magnitude of waves traveling in a predetermined direction on said line.

2,423,417

EXHAUST-DRIVEN SUPERCHARGER FOR INTERNAL-COMBUSTION ENGINES

Philip Harold Stokes and Leonard Sidney Greenland, Coventry, and Cyril Alphonso Pugh, Ilford, England; said Stokes and said Greenland assignors to H. M. Hobson Limited, a company of Great Britain, and said Pugh assignor to The Plessey Company Limited, Ilford, England, a company of Great Britain

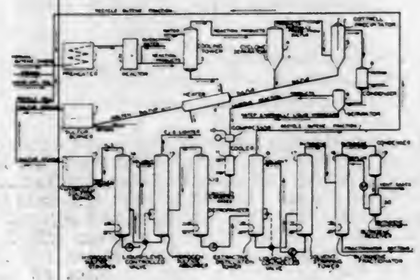
Application July 7, 1943, Serial No. 493,720
In Great Britain September 14, 1942
10 Claims. (Cl. 60—13)



1. The combination with an aircraft engine, a supercharger, and an exhaust-gas-operated turbine for driving said supercharger, of a valve for controlling the flow of exhaust gas to the turbine, a boost control device responsive to supercharging pressure, a servomotor associated with the boost control device, the piston of the servomotor being linked to the valve and normally operating to move the valve so as progressively to increase the flow of exhaust gas to the turbine with in-

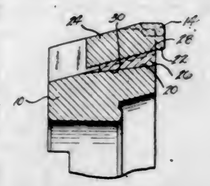
crease in altitude, a spring, normally overridden by the fluid pressure, for biassing the piston in the direction to reduce said flow, a relief valve, and a governor, operating on the relief valve, when the turbine attains a given critical speed, to cause said relief valve to reduce the fluid pressure acting on the piston in opposition to the spring.

2,423,418
PROCESS FOR PRODUCING ALKADIENES BY DEHYDROGENATING ALKENES
Charles M. Stone, Beacon, N. Y., and Karl J. Korpi, Pasadena, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 14, 1943, Serial No. 498,738
3 Claims. (Cl. 260—680)



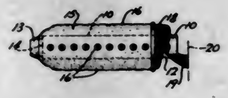
2. A process for the production of alkadienes from alkenes which comprises passing into a reaction zone, maintained at temperatures of at least 800° F., and in contact with an aluminum oxide catalyst containing a minor proportion of adsorbed copper sulfate, a gaseous mixture of an alkene, SO_2 and steam in which the sum of the partial pressures of alkene and SO_2 is substantially below one atmosphere, and comprising at least 0.1 mol of sulfur dioxide and one mol of steam per mol of alkene.

2,423,419
INSERTED BLADE CUTTER
Bernard K. Stuber, Detroit, Mich.
Application August 31, 1946, Serial No. 694,204
8 Claims. (Cl. 29—105)



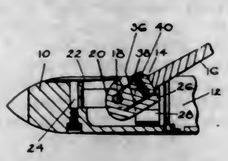
1. In an inserted blade cutter, the combination of a body having a slot with front, back and bottom walls, the bottom wall being the wall away from the opening, the front and back walls being on either side of the opening, a blade with top, front, back, and bottom surfaces, the blade being positionable such that the front and back surfaces are in wedge relation to the front and back surfaces of the slot, said slot and blade having flat sides at the front and back converging in the direction of the slot opening and the top of the blade, and being equally spaced endwise, the bottom wall of the slot having at least a portion sloping toward one end of the slot, the bottom surface of the blade being relatively flat and so positioned with respect to the front and back surfaces of the blade that any plane parallel to the blade bottom cuts the front and back surfaces in parallel lines, a wedge to contact and underlie the blade in the slot, the bottom surface of the wedge to have a wedge relation to the sloping portion of the slot bottom, the top surface of the wedge being disposed at an angle to the bottom surface of the wedge and teeth extending fully across and spaced from end to end of said top surface, teeth on the bottom of the blade to engage the teeth on the wedge to prevent endwise slipping between the blade and wedge in assembly, the contacting surfaces transmitting the full load thrust of wedge force and cutting load to the bottom of said slot when said wedge and blade are assembled endwise as a unit into the cutter body slot.

2,423,420
HAIR CURLER
Martha M. Talbot, Detroit, Mich.
Application March 18, 1946, Serial No. 655,163
4 Claims. (Cl. 132—40)



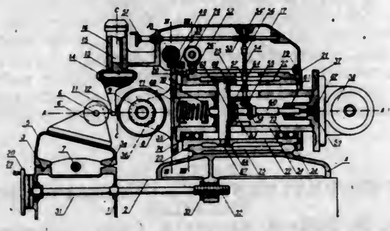
2. A hair curler comprising a hollow stem of resilient material having a plurality of radially disposed apertures therethrough, the said hollow stem having an anchorage slot adapted to receive a tuft of hair formed near one end thereof, and an expansible tubular sheath having a plurality of radially disposed apertures therethrough secured at one end to the other end of the said stem adapted to be drawn over hair wound on said stem.

2,423,421
LOOM SHUTTLE
Emerson B. Tifft, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 28, 1945, Serial No. 596,341
3 Claims. (Cl. 139—208)



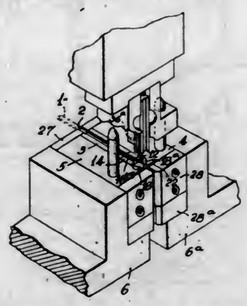
1. A shuttle for looms having, in combination, a pivotally supported spindle having a base portion, said base portion having a main part and a lower part movable relatively thereto and having converging surfaces, means for pivotally supporting said spindle in normal operating position, a spring member for maintaining said spindle in said normal operating position, a stop member having a V-shaped portion having converging surfaces arranged to receive the lower part of the base portion of the spindle to position the spindle horizontally of the shuttle, and adjusting means for moving the lower part relatively to the main part of the base portion for positioning said spindle vertically in said normal operating position.

2,423,422
THREAD GRINDING MACHINE
Fernand Turrettini, Geneva, Switzerland, assignor to Societe Genevoise D'Instruments De Physique, Geneva, Switzerland, a firm of Switzerland
Application March 27, 1945, Serial No. 585,048
In Switzerland August 23, 1944
6 Claims. (Cl. 51—95)



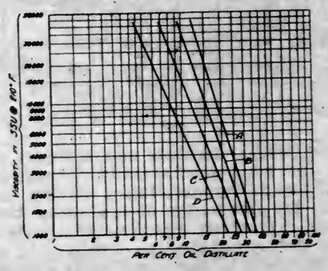
1. A thread grinding machine comprising a grinding wheel mounted on a carriage slidable at a right angle to the axis of the work piece under the action of a first adjusting device, a truing tool mounted retractably in front of the grinding wheel on a first support mounted rotatively on said carriage around an axis parallel to the direction of motion of the latter, the grinding wheel being carried by a second support mounted rotatively around the axis of rotation of the first support and slidably along this common axis, and a second adjusting device inserted between the first and the second support for moving the grinding wheel in a direction parallel to that of said carriage, with the object that the distance from the cutting edge of the grinding wheel to the axis of the work piece remains permanently determined by the indications of the first adjusting device, independent from the quantity of abrasive removed from the grinding wheel.

2,423,423
PUNCH AND DIE MECHANISM
Rudolf Feitl, Brooklyn, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application November 30, 1945, Serial No. 631,996
5 Claims. (Cl. 164—118)



5. Punch and die mechanism for notching the longitudinal edges of strip material, including a vertically disposed punch member having grooves of angular section in its side faces, and bolt-like members having heads provided with wedge surfaces, said heads extending into said grooves, and means for tightening said bolt-like members in the direction of the center line of the punch and die mechanism.

2,423,424
RESIDUAL TAR SEPARATED FROM TAR-WATER EMULSION
Edwin L. Hall, Manchester, N. H., and Howard R. Batchelder, Drexel Hill, Pa., assignors to The United Gas Improvement Company, a corporation of Pennsylvania
Application December 16, 1943, Serial No. 514,488
10 Claims. (Cl. 196—149)



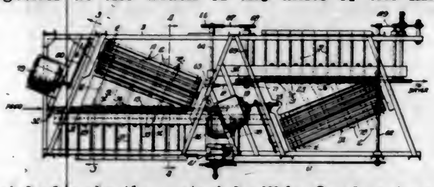
1. Residual tar separated from tar-water emulsion produced during condensation in the presence of H_2O of the products of the vapor phase pyrolysis at average temperatures above approximately 1300° F. of petroleum oil, said residual tar having a viscosity-distillable oil relationship within the area of viscosity-distillable oil relationships lying to the left of the curve having the formula $\log y = 8.29 - 3.39 \log x$ in which y and x are respectively rectangular coordinates of viscosity expressed in SSU at 210° F. and distillable oil expressed in percent by weight, and having a content of heat polymerizable unsaturated material at least sufficient to cause an increase in the melting point of said residual tar of 20° C. when said residual tar is heated under conditions of total reflux for 12 hours at 180° C.

9. A high-melting tar produced by heating to considerably increase its melting point of a residual tar separated from tar-water emulsion produced during condensation in the presence of H_2O of the products of the vapor phase pyrolysis at average temperatures above approximately 1300° F. of petroleum oil, said residual tar having a viscosity-distillable oil relationship within the area of viscosity-distillable oil relationship lying to the left of the curve having the formula $\log y = 8.29 - 3.39 \log x$ in which y and x are respectively rectangular coordinates of viscosity expressed in SSU at 210° F. and distillable oil expressed in percent by weight, and having a content of heat polymerizable unsaturated material at least sufficient to cause an increase in the melting point of said residual tar of 20° C. when said residual tar is heated under conditions of total reflux for 12 hours at 180° C.

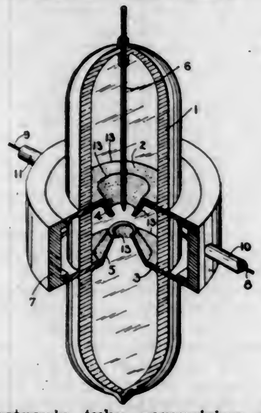
2,423,425
APPARATUS FOR TREATING FIBROUS MATERIAL
Eric L. Lundgren, Braddock Heights, Md., assignor to Ox Fibre Brush Company, Inc., a corporation of Delaware.
Application January 15, 1944, Serial No. 518,358
11 Claims. (Cl. 19—12)

1. Means for processing material including treating means along which said material is to be moved, and holding means for holding the material and moving it along the treating means, said holding means comprising a pair of endless belts disposed with adjacent runs forming an elongated bite, and a plurality of pressure rollers on opposite sides of said adjacent runs and pressing the runs toward one another, the pres-

sure rollers on one run being staggered with respect to those on another run and the two sets of rollers having their axes sufficiently close together to cause the runs to be substantially curved about one or another of the pressure rollers with the curved portions at least as close together as the width of the units of the material whereby the material will be firmly gripped between the runs substantially throughout the bite, and means for exerting a driving force on each belt independently of the other belt, the means for driving at least one of the belts including a device adapted to permit it to accommodate its speed to the speed of the other belt.



2,423,426
ULTRA HIGH FREQUENCY TUBE OF THE RESONATOR TYPE
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application November 13, 1943, Serial No. 510,225
3 Claims. (Cl. 315—5)



1. An electronic tube comprising a metallic resonator, an atmosphere within the tube having several millimeters of pressure of water vapor and a coating on the surfaces of said resonator within the tube and which prevents oxidation thereof by said water vapor.

2,423,427
DEFLAGRATING COMPOSITIONS
Russell Charrosin Payn, Watford, England, and Elwyn Jones, Ardrossan, and John Stocks Flanders, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 4, 1944, Serial No. 534,148. In Great Britain December 23, 1942
5 Claims. (Cl. 52—17)

1. In a non-detonating deflagrating modified blackpowder composition, the minor proportion of an aldehyde and amine condensation product in an amount sufficient to cause a substantial reduction in the burning speed of said composition.

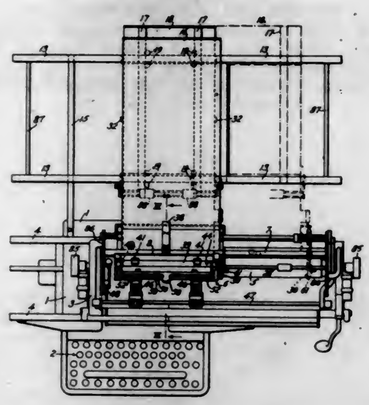
2,423,428
PRETREATMENT OF CELLULOSIC TEXTILES WITH MELAMINE FORMALDEHYDE RESIN
John D. Pollard, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 30, 1943, Serial No. 516,249
7 Claims. (Cl. 117—161)

1. A method of improving the bonding properties of cellulosic textiles which comprises impregnating said textiles with an acidic aqueous colloidal solution of melamine-formaldehyde resin in a solvent comprising a water-soluble polyhydric alcohol and retaining 0.01–2% of resin on the cellulosic textiles in a water-insoluble condition.

2,423,429
PRETREATMENT OF NONCELLULOSIC TEXTILES
John D. Pollard, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 3, 1944, Serial No. 543,427
5 Claims. (Cl. 117—161)

1. A method of improving the bonding properties of non-cellulosic organic textiles which comprises impregnating said textiles with an acidic aqueous colloidal solution of melamine-formaldehyde resin in a solvent comprising a water-soluble polyhydric alcohol and retaining 0.01–2% of resin on the textiles in a water-insoluble condition.

2,423,430
DIFFERENTIAL LINE-SPACING MECHANISM FOR TYPEWRITERS
Percy William Woodgate, London, England, assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 26, 1945, Serial No. 590,461
In Great Britain April 27, 1944
11 Claims. (Cl. 197—128)

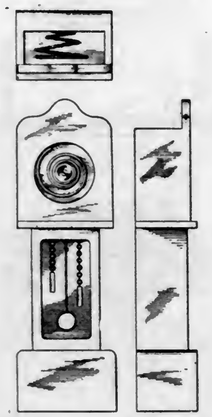


11. The combination of a travelling carriage, a second carriage mounted on and movable along said first carriage having a sheet supporting and guiding plate, a sheet gripping and feeding means movable along said plate for feeding a sheet thereover transversely to the direction of carriage movement, and means for supporting and moving said sheet gripping and feeding means on said plate.

DESIGNS

JULY 1, 1947

147,002
DESIGN FOR A WATCH SUPPORT
John Elisha Bartlett, Los Angeles, Calif.
Application August 5, 1946, Serial No. 132,300
Term of patent 7 years
(Cl. D42—9)



The ornamental design for a watch support, as shown.

147,003
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Urieene Chaplain, Los Angeles, Calif.
Application December 6, 1946, Serial No.135,316
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown and described.

147,004
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application June 4, 1946, Serial No. 130,397
Term of patent 7 years
(Cl. D45—4)



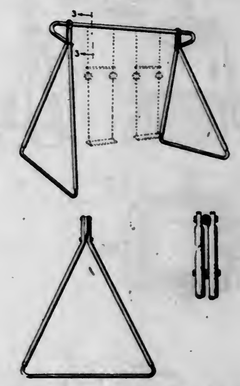
The ornamental design for a bracelet or similar article, substantially as shown and described.

147,005
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application June 4, 1946, Serial No. 130,398
Term of patent 7 years
(Cl. D45—4)



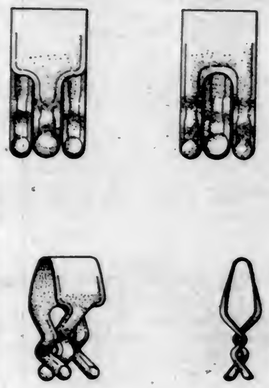
The ornamental design for a bracelet or similar article, substantially as shown and described.

147,006
DESIGN FOR A PLAYGROUND APPARATUS
Peter A. Cosme, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 18, 1945, Serial No. 120,778
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a playground apparatus, substantially as shown and described.

147,007
DESIGN FOR A CLOTHESPIN
Victor H. Gillespie, Handley, and Pete E. Mokszycki, Fort Worth, Tex., assignors to Gillespie Engineering Company, Handley, Tex., a partnership
Application April 29, 1946, Serial No. 129,072
Term of patent 14 years
(Cl. D17—6)



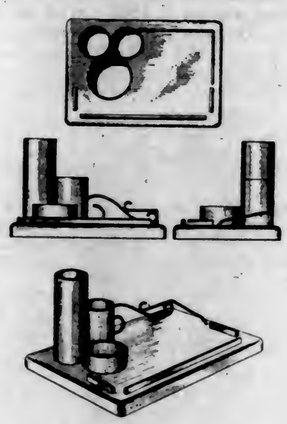
The ornamental design for a clothes pin, substantially as shown.

147,008
DESIGN FOR A HANDBAG
Elizabeth N. Graham, New York, N. Y.
Application March 10, 1947, Serial No. 137,477
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

147,009
DESIGN FOR A MAKE-UP TRAY
George G. Greger, Detroit, Mich.
Application August 19, 1946, Serial No. 132,631
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a make-up tray, as shown.

147,010
DESIGN FOR A SHOE PROTECTOR
Edwin A. Howard, Hingham, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application December 21, 1946, Serial No. 135,661
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a shoe protector, substantially as shown and described.

147,011
DESIGN FOR A SHOE PROTECTOR
Edwin A. Howard, Hingham, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application February 6, 1947, Serial No. 136,724
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a shoe protector, substantially as shown and described.

147,012
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 27, 1946, Serial No. 131,079
Term of patent 7 years
(Cl. D45—19)



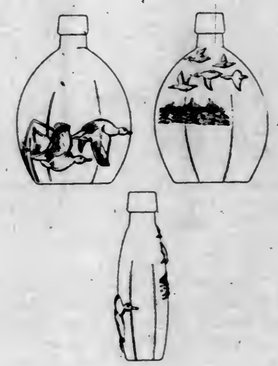
The ornamental design for a brooch or similar article, substantially as shown.

147,013
DESIGN FOR A SLACK SUIT
Alyce Lathrop, Pleasant Valley, N. J.
Application April 3, 1946, Serial No. 128,216
Term of patent 7 years
(Cl. D3—17)



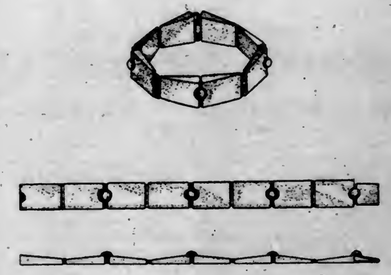
The ornamental design for a slack suit, substantially as shown and described.

147,014
DESIGN FOR A BOTTLE
Malcolm W. Lowenstein, Baltimore, Md., assignor of one-half to Samuel Silberstein, Baltimore, Md.
Application December 29, 1945, Serial No. 125,192
Term of patent 14 years
(Cl. D58—9)



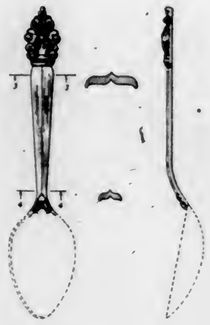
The ornamental design for a bottle, as shown.

147,015
DESIGN FOR A BRACELET
William Lutz, New York, N. Y.
Application June 26, 1946, Serial No. 131,037
Term of patent 3½ years
(Cl. D45—4)



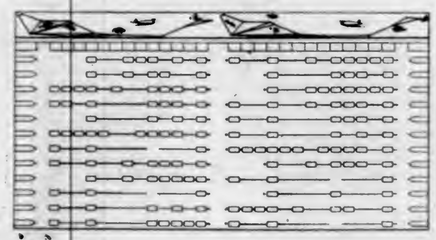
The ornamental design for a bracelet, substantially as shown.

147,016
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William F. Moran, Meriden, Conn., assignor to The Elmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application June 27, 1946, Serial No. 131,089
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, as shown and described.

147,017
DESIGN FOR A TIMETABLE
Richard D. Roselle, Kansas City, Mo., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo., a corporation of Delaware
Application July 15, 1946, Serial No. 131,590
Term of patent 3½ years
(Cl. D59—2)



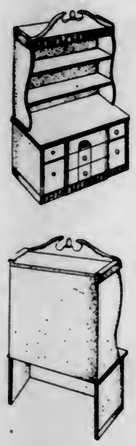
The ornamental design for a timetable, as shown and described.

147,018
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Joseph Rosenberg, New York, N. Y., and Francis D. Byrne, West Orange, N. J.
Application June 7, 1946, Serial No. 130,514
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

147,019
DESIGN FOR A TOY BREAK FRONT OR SIMILAR ARTICLE
Irving Rosenbloom, New York, N. Y.
Application January 9, 1946, Serial No. 125,384
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy break front or similar article, substantially as shown.

147,020
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application January 23, 1947, Serial No. 136,341
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

147,021
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application February 19, 1947, Serial No. 137,009
Term of patent 3½ years
(Cl. D3—26)



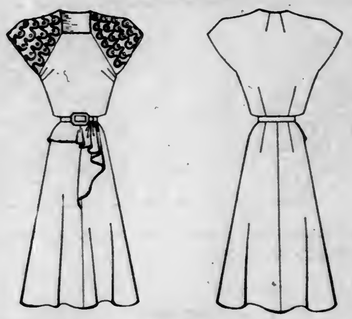
The ornamental design for a dress, substantially as shown.

147,022
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application February 19, 1947, Serial No. 137,010
Term of patent 3½ years
(Cl. D3—26)



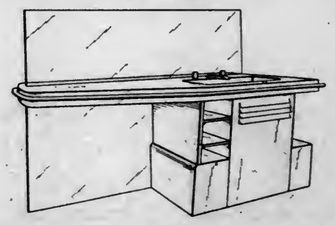
The ornamental design for a dress, substantially as shown.

147,023
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application February 19, 1947, Serial No. 137,011
Term of patent 3½ years
(Cl. D3—26)



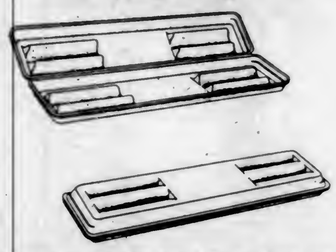
The ornamental design for a dress, substantially as shown.

147,024
DESIGN FOR A LAVATORY
Ralph J. Sherwin, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio
Application March 2, 1946, Serial No. 127,034
Term of patent 7 years
(Cl. D4—2)



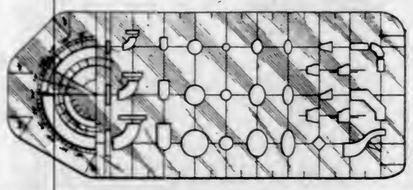
The ornamental design for a lavatory, substantially as shown.

147,025
DESIGN FOR PACKING FOR FRAGILE ARTICLES
Ernest L. Shepard, Fairfield, Maine
Application October 12, 1945, Serial No. 122,803
Term of patent 14 years
(Cl. D58—12)



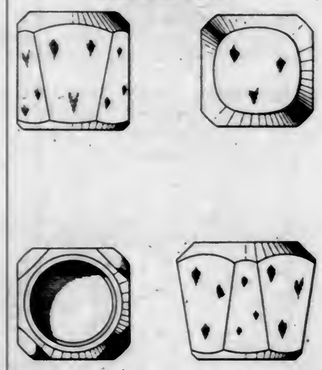
The ornamental design for packing for fragile articles, as shown.

147,026
DESIGN FOR A PIPING TEMPLATE
William H. Skewis, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 13, 1946, Serial No. 126,538
Term of patent 14 years
(Cl. D52—1)



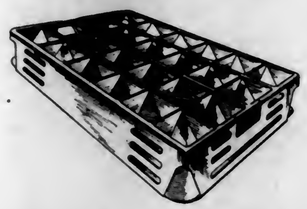
The ornamental design for a piping template, substantially as shown.

147,027
DESIGN FOR A BOTTLE CAP
William H. Stevens, Jr., Des Moines, Iowa
Application February 25, 1946, Serial No. 126,893
Term of patent 14 years
(Cl. D58—26)



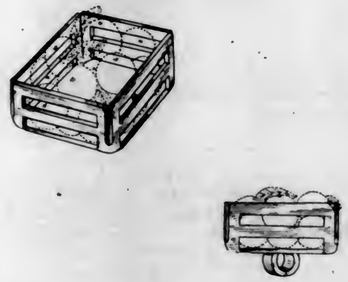
The ornamental design for a bottle cap, substantially as shown.

147,028
DESIGN FOR A BOTTLE CASE
Jefferson P. Waldrop, Arlington, Va.
Application September 20, 1945, Serial No. 122,214
Term of patent 14 years
(Cl. D58—13)



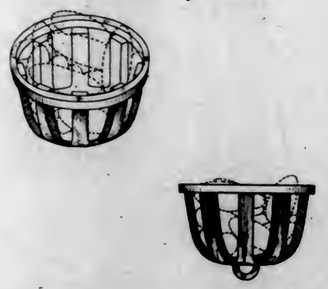
The ornamental design for a bottle case, as shown.

147,029
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Marion Weeber, New York, N. Y.
Application November 12, 1946, Serial No. 134,696
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown and described.

147,030
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Marion Weeber, New York, N. Y.
Application November 12, 1946, Serial No. 134,697
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown and described.

147,031
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Marion Weeber, New York, N. Y.
Application November 12, 1946, Serial No. 134,698
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown and described.
600 O. G.—11

147,032
DESIGN FOR WALLPAPER BORDER OR SIMILAR ARTICLE
Ada Westrate, Chicago, Ill., assignor to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1946, Serial No. 128,262
Term of patent 3½ years
(Cl. D54—10)



The ornamental design for wallpaper border or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Needlecrafts, Inc., New York, N. Y. Bed jackets, robes, sacques, etc. Serial No. 494,420; July 1. Class 39.

American Zyloptic Company, Incorporated, New York, N. Y. Ophthalmic mountings. Serial No. 511,783; July 1. Class 26.

Amigo Laboratories: *See*—
Thompson, Helen M.

Ballinger, W. A., & Co., San Francisco, Calif. Cotton piece goods, toweling, sheets, etc. Serial No. 508,961; July 1. Class 42.

Bell & Gossett Company, Morton Grove, Ill. Refrigerating apparatus. Serial No. 493,909; July 1. Class 31.

Belle Electronics Corp., Brooklyn, N. Y. Radio receiving sets and parts thereof. Serial No. 478,942; July 1. Class 21.

Blackstone Manufacturing Co., Inc., Chicago, Ill. Automobile fuel pumps. Serial No. 511,445; July 1. Class 23.

Bonomo Culture Institute: *See*—
Bonomo, Joe.

Bonomo, Joe, doing busines as Bonomo Culture Institute, assignor to Mini-Gym Corporation, New York, N. Y. Exercising devices. Serial No. 495,652; July 1. Class 22.

Boyle and Company, Los Angeles, Calif. Rectal suppositories and ointment. Serial No. 508,705; July 1. Class 6.

Buchsbaum, S., & Co., Chicago, Ill. Men's toiletries. Serial No. 486,750; July 1. Class 6.

Caltex Sportswear Co. of California, Inc., Los Angeles, Calif. Pajamas and lounging robes. Serial No. 505,040; July 1. Class 39.

Cargill, Incorporated, Minneapolis, Minn. Corn seed. Serial No. 508,367; July 1. Class 1.

Celanese Corporation of America, New York, N. Y. Reticular metallic and/or textile base covered with a film or coating. Serial No. 508,095; July 1. Class 50.

Colgate-Palmolive-Peet Company, Jersey City, N. J. After shave lotion. Serial No. 509,565; July 1. Class 6.

Consolidated Grocers Corporation, Chicago, Ill. Toothpicks. Serial No. 500,950; July 1. Class 44.

Dentocain Co.: *See*—
Hurwitz, Raymond.

Distillation Products, Inc., Rochester, N. Y. Lubricating oils. Serial No. 508,983; July 1. Class 15.

Dry Air Products Corporation, assignee: *See*—
Urdahl, Thomas H.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Materials for use in industrial photography. Serial No. 493,107; July 1. Class 16.

Eastman Kodak Company, Rochester, N. Y. Photographic prints and photographic enlargements. Serial No. 510,289; July 1. Class 38.

Elur Company, New York, N. Y. Vitamin capsules. Serial No. 509,408; July 1. Class 6.

Engel, Fred, doing business as U. S. Specialties Co., New York, N. Y. Dog garments. Serial No. 505,813; July 1. Class 3.

Fabrique Suisse de Crayons Caran d'Ache, Geneva, Switzerland. Pencils. Serial No. 508,839; July 1. Class 37.

Falcon Packing Co., New York, N. Y. Olives stuffed with pearl onions. Serial No. 508,991; July 1. Class 46.

Frankel, Jacob W., doing business as The Minimax Co., Chicago, Ill. Dental local anesthetic. Serial No. 506,439; July 1. Class 6.

Gerber, Joseph R., Portland, Oreg. Carving knives. Serial Nos. 501,972–3; July 1. Class 23.

Globe Industries Inc., Dayton, Ohio. Electric motors. Serial No. 506,867; July 1. Class 21.

Grodberg, George L., doing business as George L. Grodberg Company, Boston, Mass. Men's and young men's suits, overcoats, topcoats, etc. Serial No. 487,551; July 1. Class 39.

Grodberg, George L., Company: *See*—
Grodberg, George L.

Hall, John P., doing business as Nylcotwist Company, Dallas, Tex. Men's hosiery and undershirts, men's crew shirts and sport shirts, ladies' underwear and slips, etc. Serial No. 510,510; July 1. Class 39.

Horowitz, Isadore, doing business as Universal Manufacturing Company, Bossier City, La. Playground equipment. Serial No. 509,703; July 1. Class 22.

Hurwitz, Raymond, doing business as Dentocain Co., Hartford, Conn. Teething lotion. Serial No. 505,835; July 1. Class 6.

J. E. T. Pharmacal Co., Allentown, Pa. Marshmallow cream, fudge icing, prepared mustard, etc. Serial No. 493,195; July 1. Class 46.

Jennards, Inc., Chicago, Ill. Jams, jellies, fruit preserves, etc. Serial No. 487,081; July 1. Class 46.

Jubilee Manufacturing Company, Omaha, Nebr. Automotive voltage regulators and headlight relays. Serial No. 511,685; July 1. Class 21.

Kellogg, Spencer and Sons, Inc., Buffalo, N. Y. Edible oils. Serial Nos. 510,119–20; July 1. Class 46.

Kendall Company, The, Walpole, Mass. Sanitary napkins and nurses' masks. Serial No. 487,262; July 1. Class 44.

Kentucky Looms, Inc., The, Louisville, Ky. Men's and women's neckwear, and headpieces. Serial No. 507,639; July 1. Class 39.

Lecithin Inc., Jersey City, N. J. Lecithin. Serial Nos. 509,015–16; July 1. Class 46.

Mini-Gym Corporation, assignee: *See*—
Bonomo, Joe.

Minimax Co., The: *See*—
Frankel, Jacob W.

Munsingwear, Inc., Minneapolis, Minn. Women's and girls' panties. Serial No. 503,310; July 1. Class 39.

National Mattress Company, Huntington, W. Va. Crib mattresses, and juvenile accessories. Serial No. 499,144; July 1. Class 32.

Nylcotwist Company: *See*—
Hall, John P.

Okonite Company, The, Passaic, N. J. Insulated copper conductors. Serial No. 508,388; July 1. Class 21.

Onyx Oil & Chemical Company, Jersey City, N. J. Synthetic detergent. Serial No. 508,810; July 1. Class 4.

Parke, Davis & Company, Detroit, Mich. Compound for treating dyspepsia. Serial No. 506,192; July 1. Class 6.

Patches Publications, Inc., New York, N. Y. Cartoon periodical and for cartoons. Serial No. 509,669; July 1. Class 38.

Permacide Chemical Corp., Wilmington, Del. Household ammonia and bleaching compounds. Serial No. 508,612; July 1. Class 6.

Perr, Sherman, Newark, N. J. Gentlemen's toiletries. Serial No. 508,001; July 1. Class 6.

Perr, Sherman, Newark, N. J. Gentlemen's toiletries. Serial No. 508,003; July 1. Class 6.

Philharmonic Radio Corporation, New York, N. Y. Radio receiving apparatus, radio-television receiving apparatus, etc. Serial No. 512,694; July 1. Class 21.

Phillips, George L., doing business as Phillips Plastic Co., Newkirk, Okla. Adhesive cement. Serial No. 515,679; July 1. Class 5.

Phillips Plastic Co.: *See*—
Phillips, George L.

Precision Diamond Tool Company, Elgin, Ill. Single and multiple diamond tipped tools. Serial No. 505,617; July 1. Class 23.

Process Improvement Company, Dearborn, Mich. Chemical compositions or preparations. Serial No. 518,121; July 1. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. Serial No. 503,130; July 1. Class 4.

Rhodes, Frederick H., Madison, N. J. Filter cloths. Serial No. 521,823; July 1. Class 31.

Riley & Geehr, Inc., Chicago, Ill. Plastic masking compounds. Serial No. 504,791; July 1. Class 6.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. Serial No. 503,604; July 1. Class 32.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in antibacterial therapy. Serial No. 508,550; July 1. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in antibacterial therapy. Serial No. 508,552; July 1. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in antibacterial therapy. Serial No. 508,554; July 1. Class 6.

Stanley, John T., Co., Inc., New York, N. Y. Hand lotion. Serial No. 475,781; July 1. Class 6.

Steinberg, Jules, New York, N. Y. News letter or periodical. Serial No. 507,081; July 1. Class 38.

Stromeyer, J., Company, Philadelphia, Pa. Table syrups and molasses. Serial No. 510,128; July 1. Class 46.

Swanson, Emil E., doing business as Emil Swanson Remedy Co., Vernon Center, Minn. Remedy for the treatment or cure of blackhead. Serial No. 507,154; July 1. Class 6.

Swanson, Emil, Remedy Co.: *See*—
Swanson, Emil E.

Sybil Mills, Inc., Williamsport, Pa., and New York, N. Y. Ladies' nightgowns and slips. Serial No. 510,366; July 1. Class 39.

Terminal Island Sea Foods, Ltd., Terminal Island, Calif. Canned fish. Serial No. 506,903; July 1. Class 46.

Thompson, Helen M., doing business as Amigo Laboratories, San Francisco, Calif. Pine oil disinfectant. Serial No. 505,672; July 1. Class 6.

Tone Products Corp. of America, New York, N. Y. Base ball game. Serial No. 501,787; July 1. Class 22.

Travel Time Publishing Co., Inc., New York, N. Y. Periodical. Serial No. 508,558; July 1. Class 38.

Ung, Thomas, doing business as United China Trading Co., Los Angeles, Calif. Hair oil, brilliantine, toilet water, etc. Serial No. 501,789; July 1. Class 6.

United China Trading Co.: *See*—
Ung, Thomas.

United States Finishing Company, The, Norwich, Conn. Fabrics. Serial No. 502,671; July 1. Class 42.

U. S. Specialties Co.: *See*—
Engel, Fred.

Universal Manufacturing Company: *See*—
Horowitz, Isadore.

Urdahl, Thomas H., assignor to Dry Air Products Corporation, Orlando, Fla. Desiccant. Serial No. 506,560; July 1. Class 6.

Urdahl, Thomas H., assignor to Dry Air Products Corporation, Orlando, Fla. Desiccant. Serial No. 509,188; July 1. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Aaron Beauty Supply Company: *See*—
Aaron, Frank.

Aaron, Frank, doing business as Aaron Beauty Supply Company, Brooklyn, N. Y. Packaged hair pomade and dressing. 430,978; July 1; Serial No. 501,105; published Apr. 8, 1947. Class 6.

Abalone Manufacturing Company, Hawthorne, Calif. Venetian blinds. 430,998; July 1; Serial No. 502,361; published Mar. 25, 1947. Class 32.

Abbott Laboratories, North Chicago, Ill. Container charged with a medicament. 430,962; July 1; Serial No. 499,369; published Apr. 8, 1947. Class 6.

Abbott Laboratories, North Chicago, Ill. Multiple vitamin preparation. 430,983; July 1; Serial No. 501,298; published Mar. 25, 1947. Class 6.

Abuja, Agnes, Chase, Mich. Oil for headache, sore throat, fever sores, etc. 431,063; July 1. Class 6.

Academy Award Products, Inc., New York, N. Y. Dining room, library, easy and rocking chairs, dinette, dining, etc., tables, divans, etc. 430,972; July 1; Serial No. 500,446; published Apr. 15, 1947. Class 32.

Acme White Lead & Color Works, assignee: *See*—
General Exhibits & Displays, Inc.

Affiliated Products, Inc., New York, N. Y. Lipstick and rouge. 431,038; July 1; Serial No. 505,171; published Mar. 18, 1947. Class 6.

Ajax Time Stamp Company, Boston, Mass., to Ajax Time Stamp Company, New York, N. Y. Date stamps, certifying stamps, receipting stamps, etc. 223,422; renewed Feb. 1, 1947. O. G. July 1. Class 37.

Aljo Manufacturing Co., The: *See*—
Malchow, Frederick.

Aljo Manufacturing Co. Inc.: *See*—
Malchow, Frederick.

Altman, B., & Co., New York, N. Y. Wearing apparel. 226,701; renewed Apr. 19, 1947. O. G. July 1, 1947. Class 39.

Amarosa Co. Inc., New York, N. Y. Hair dressing. 430,968; July 1; Serial No. 500,159; published Nov. 5, 1946. Class 6.

Amberg File and Index Company, Kankakee, Ill. Transfer cases of cabinet form. 430,911; July 1; Serial No. 490,618; published Mar. 18. 1947. Class 32.

American Company: *See*—
Webster, William A., Co., The.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Insecticides, fungicides, rodenticides, and weed killers. 430,982; July 1; Serial No. 501,224; published Apr. 8, 1947. Class 6.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Insecticides in liquid spray and dust form and ant poisons. 431,012; July 1; Serial No. 503,412; published Mar. 25, 1947. Class 6.

American Cyanamid Company, assignee: *See*—
American Cyanamid & Chemical Corporation.

American Fork and Hoe Company, The: *See*—
Kelly Axe & Tool Co.

American Spectacle Co., Inc., New York, N. Y. Optical goods. 431,057; July 1; Serial No. 506,571; published Apr. 15, 1947. Class 26.

American Tar Company, Seattle and Spokane, Wash. Copper oleate, specification creosote, commercial creosote oil, etc. 430,879; July 1; Serial No. 468,215; published Mar. 18, 1947. Class 6.

Archer-Daniels-Midland Company: *See*—
Stuhr-Seidl Company.

Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical to be added to fire fighting liquid. 430,991; July 1; Serial No. 501,893; published Apr. 1, 1947. Class 6.

Associated Products, Inc., Chicago, Ill., assignor to Harry Shapiro, doing business as Chemical Specialties Company, New York, N. Y. Liquid and powder insecticides and insect repellents. 430,910; July 1; Serial No. 490,475; published Apr. 2, 1946. Class 6.

Avon Products, Inc., New York, N. Y. After-shaving lotion, toilet water, talcum powder, etc. 430,925; July 1; Serial No. 494,779; published Oct. 1, 1946. Class 6.

Baltzly Company, The: *See*—
Baltzly, Stanley M.

Baltzly, Stanley M., doing business as The Baltzly Company, Massillon, Ohio, assignor to Princess Pat Ltd., Chicago, Ill. Hair dressing and preparations. 431,036; July 1; Serial No. 505,093; published Apr. 15, 1947. Class 6.

Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Combination liquid waxing preparation. 431,071; July 1. Class 16.

Barron Chemical Corp., New York, N. Y. Drug which contains an oral form of penicillin. 430,935; July 1; Serial No. 495,719; published Apr. 15, 1947. Class 6.

Bates, C. J., & Son, Chester, Conn. Nail files. 226,982; renewed Apr. 26, 1947. O. G. July 1. Class 44.

Bay Chemical Co., Inc., The, Bay City, Mich. Chemical weed exterminator. 430,966; July 1; Serial No. 499,987; published Apr. 8, 1947. Class 6.

Bergman Laboratory, Houston, Tex. Medicine in capsule form. 431,039; July 1; Serial No. 505,178; published Apr. 8, 1947. Class 6.

Beychok, Sam, Shreveport, La. Playground equipment. 430,908; July 1; Serial No. 490,098; published Apr. 15, 1947. Class 22.

Binney & Smith Company, New York, N. Y. Marking and stenciling inks. 226,725; renewed Apr. 19, 1947. O. G, July 11. Class 11.

Borg-Warner Corporation: *See*—
Detroit Vapor Stove Co., The.

Boston Drug & Chemical Co., Boston, Mass. Witch hazel, rubbing alcohol compound, medicinal mineral oil, etc. 431,027; July 1; Serial No. 504,601; published Apr. 1, 1947. Class 6.

Botany Worsted Mills, Passaic, N. J. Lipsticks. 431,055; July 1; Serial No. 506,505; published Mar. 18, 1947. Class 6.

Botany Worsted Mills, Passaic, N. J. Lipsticks. 431,056; July 1; Serial No. 506,507; published Apr. 8, 1947. Class 6.

Bottled Gas Company of America, The, Westfield, N. J. Bottled gas. 431,020–1; July 1; Serial Nos. 504,320–1; published Mar. 25, 1947. Class 6.

Brach, E. J., & Sons, Chicago, Ill. Candy. 224,991; renewed Mar. 8, 1947. O. G. July 1. Class 46.

Brainerd Bedding Co., Brainerd, Minn. Mattresses, inner springs, studio couches, and box springs. 430,984; July 1; Serial No. 501,360; published Mar. 25, 1947. Class 32.

Brayten Pharmaceutical Company: *See*—
Meta Cine Company.

Brenner-Bell, Inc., Columbus, Ohio. Portable cabinet. 430,942; July 1; Serial No. 497,365; published Mar. 25, 1947. Class 32.

Bristol-Myers Company, New York, N. Y. Shampoo. 431,019; July 1; Serial No. 504,250; published Mar. 18, 1947. Class 6.

Brooks, Albert N., doing business under the name Brooks Company, Minneapolis, Minn. Preparation in wafer form to perfume and sweeten the breath. 430,995; July 1; Serial No. 502,264; published Apr. 1, 1947. Class 6.

Brooks Company: *See*—
Brooks, Albert N.

Brown, Angel P., Endicott, N. Y. Skin ointment. 430,951; July 1; Serial No. 498,579; published Apr. 8, 1947. Class 6.

Brown, Stanley & Company: *See*—
Brownstein, Nathan.

Brownstein, Nathan, doing business as Stanley Brown & Company, Boston, Mass. Cough preparation. 431,042; July 1; Serial No. 505,389; published Apr. 15, 1947. Class 6.

Buell, E. B., doing business as Vitagas Company, Jefferson City, Mo. Natural gas. 430,988; July 1; Serial No. 501,633; published Mar. 25, 1947. Class 6.

Burki & Cie, Bern, Switzerland. Gruyère cheese. 220,841; renewed Nov. 16, 1946. O. G. July 1. Class 46.

Burns, D. Murray, doing business as Embur Drugs, assignor to Embur, Inc., Kansas City, Mo. Protein hydrolysate. 431,037; July 1; Serial No. 505,096; published Apr. 1, 1947. Class 6.

California-Oregon Paper Mills, Los Angeles, Calif., to Columbia River Paper Mills, Portland, Oreg. Wrapping paper. 214,176; renewed June 15, 1946. O. G. July 1. Class 37.

Carbon Dispersions Inc., Newark, N. J. Carbon black dispersion. 430,975; July 1; Serial No. 500,855; published Mar. 18, 1947. Class 6.

Chandler Chemical Corp., New York, N. Y. Insect repellent in liquid form. 431,005; July 1; Serial No. 502,737; published Mar. 18, 1947. Class 6.

Chemical Specialties Company: *See*—
Associated Products, Inc.
Shapiro, Harry.

Clapp, Otis, & Son, Inc., Boston, Mass. Hair dressing, shampoo, hand lotion, etc. 430,887; July 1; Serial No. 479,833; published July 16, 1946. Class 6.

Clay-Adams Company, Inc., New York, N. Y. Liquid coating material. 430,884; July 1; Serial No. 478,030; published July 16, 1946. Class 6.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 225,684; renewed Mar. 22, 1947. O. G. July 1. Class 39.

Cochran, Jacqueline, New York, N. Y. Face powder. 430,903; July 1; Serial No. 488,952; published Mar. 18. 1947. Class 6.

Columbia Chemical Company, New Orleans, La. Pine oil disinfectant. 430,916; July 1; Serial No. 493,253; published Apr. 8, 1947. Class 6.

Columbia River Paper Mills: *See*—
California-Oregon Paper Mills.

Company of Master Craftsmen, Inc., Oneida, N. Y. Upholstered furniture. 430,947; July 1; Serial No. 498,205; published Apr. 15, 1947. Class 32.

Con-Ferro Paint & Varnish Company: *See*—
Con Ferro Paint & Varnish Co.

Con Ferro Paint & Varnish Co., doing business as Delta Lacquer & Products Company, to Con-Ferro Paint & Varnish Company, St. Louis, Mo. Ready-mixed paints, paint enamels, varnish, etc. 226,942; renewed Apr. 26, 1947. O. G. July 1. Class 16.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lens frames and mountings therefor. 430,016; July 1; Serial No. 504,158; published Apr. 15. 1947. Class 26.

Cooley, Sara, Cosmetics, Los Angeles, Calif. Cologne. 430,999; July 1; Serial No. 502,428; published Apr. 15. 1947. Class 6.

Cooperative Seed & Farm Supply Service, Inc., Richmond, Va. Mixture of ingredients for making insecticides and fungicides. 430,896; July 1; Serial No. 485,942; published Apr. 8, 1947. Class 66.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, perfume, etc. 431,048; July 1; Serial No. 505,559; published Mar. 18, 1947. Class 6.

County Perfumery Company, Inc., The, Bloomfield, N. J. After-shave lotion. 431,043; July 1; Serial No. 505,394; published Mar. 18, 1947. Class 6.

Crofut & Knapp Co., The, South Norwalk, to Hat Corporatibn of America, Norwalk, Conn. Hats and caps for men. 226,696; renewed Apr. 19, 1947. O. G. July 1. Class 39.

Cudahy Packing Company, The, Chicago, Ill., and South Omaha, Nebr., to The Cudahy Packing Company, Chicago, Ill. Cured, smoked, and canned meats. 59,098; re-renewed Jan. 1, 1947. O. G. July 1. Class 46.

Culligan Zeolite Company, Northbrook, Ill. Base exchange material commonly known as carbonaceous or organic type zeolite. 430,904; July 1; Serial No. 489,206; published Mar. 25, 1947. Class 6.

Daumit, Kay, assignor, by mesne assignments, to Kathryn, Inc., Chicago, Ill. Leg make-up. 431,014; July 1; Serial No. 503,977; published Mar. 11, 1947. Class 6.

Daumit, Kay, Inc., Chicago, Ill., assignor to Kathryn, Inc. Liquid deodorant. 430,976; July 1; Serial No. 500,963; published Feb. 25, 1947. Class 6.

Daumit, Kay, Inc., Chicago, Ill., assignor to Kathryn, Inc. Body lotion. 430,979; July 1; Serial No. 501,119; published Mar. 25, 1947. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Cologne. 430,980; July 1; Serial No. 501,120; published Mar. 11, 1947. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Leg make-up. 431,022; July 1; Serial No. 504,337; published Mar. 11, 1947. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Liquid deodorant. 431,024; July 1; Serial No. 504,340; published Mar. 18, 1947. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Cologne and talcum powder. 431,023; July 1; Serial No. 504,339; published Mar. 11, 1947. Class 6.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. 430,953; July 1; Serial No. 499,120; published Apr. 8, 1947. Class 6.

Delavau, J. W. S., Co., Philadelphia, Pa. Preparations for the treatment of coughs due to colds. 431,029; July 1; Serial No. 504,662; published Mar. 18, 1947. Class 6.

Del Collado, Juan J., Santa Clara, Cuba. Dry gin, anisette, whiskey, etc. 430,891; July 1; Serial No. 481,885; published Apr. 15, 1947. Class 49.

Delta Lacquer & Products Company: *See*—
Con Ferro Paint & Varnish Co.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical composition in powdered form. 430,961; July 1; Serial No. 499,213; published Apr. 15, 1947. Class 6.

Detroit Vapor Stove Co., The, Detroit, Mich., to Borg-Warner Corporation, Chicago, Ill. Gas and oil stoves. 227,097; renewed Apr. 26, 1947. O. G. July 1. Class 34.

Diamond Power Specialty Corporation, Detroit, Mich. Liquid level gauges. 431,058; July 1; Serial No. 507,893; published Apr. 15, 1947. Class 26.

Doho Chemical Corporation, New York, N. Y. Medicated preparation. 430,990; July 1; Serial No. 501,833; published Mar. 25, 1947. Class 6.

Donnelly Garment Company, Kansas City, Mo. Aprons. 215,552; renewed July 20, 1946. O. G. July 1. Class 39.

Drug Products Co., Inc., The, New York and Long Island City, N. Y. Medicinal preparation. 430,981; July 1; Serial No. 501,123; published Apr. 15, 1947. Class 6.

Dunhill, Mary, Inc., New York, N. Y. Perfume. 430,912; July 1; Serial No. 490,799; published Apr. 15, 1947. Class 6.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Cushions, mattresses, and mattress pads, etc. 430,909; July 1; Serial No. 490,365; published Mar. 25, 1947. Class 32.

"Ed Hoxworth": *See*—
Hoxworth and Hoxworth.

Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton suiting in the piece. 220,575; renewed Nov. 9, 1946. O. G. July 1. Class 42.

Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery. 220,589; renewed Nov. 9, 1946. O. G. July 1. Class 39.

Embur Drugs: *See*—
Burns, D. Murray.

Embur, Inc., assignee: *See*—
Burns, D. Murray.

Esterbrook Pen Company, The: *See*—
Esterbrook Steel Pen Manufacturing Company, The.

Esterbrook Steel Pen Manufacturing Company, The, to The Esterbrook Pen Company, Camden, N. J. Writing pens. 224,613; renewed Mar. 1, 1947. O. G. July 1. Class 37.

Ernstberger, H., doing business as H. Ernstberger Co., New York, N. Y. Fabrics made of nylon, rayon, cotton, etc. 431,076; July 1. Class 42.

Ernstberger, H., Co.: *See*—
Ernstberger, H.

Etablissements Rigaud, Inc., New York, N. Y. Perfumes and toilet waters. 431,049; July 1; Serial No. 505,689; published Apr. 8, 1947. Class 6.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic lenses. 431,059; July 1; Serial No. 508,150; published Apr. 15, 1947. Class 26.

Fite, Robert H., Miami, Fla. Preparation for the treatment of athlete's foot. 431,061; July 1; Serial No. 512,142; published Mar. 18, 1947. Class 6.

Flaster, Alfred A., New York, N. Y. Perfume, toilet water, eau de cologne, and nail polish. 430,977; July 1; Serial No. 501,059; published Mar. 18, 1947. Class 6.

Fluegelman, N., & Co., Inc., New York, N. Y. Women's, misses', and children's bloomers; drawers, slips; etc. 226,324; renewed Apr. 5, 1947. O. G. July 1. Class 39.

Fonvielle, Herman F., doing business as Southern Furniture Repair Co., Norfolk, Va. Furniture polish. 431,064; July 1. Class 16.

Ford, Luther, & Company, Minneapolis, Minn. Writing ink. 222,921; renewed Jan. 11, 1947. O. G. July 1. Class 11.

Fram Corporation, East Providence, R. I. Filters and cartridges therefor. 431,066; July 1. Class 23.

Freeman, Miller, to Miller Freeman Publications of California, San Francisco, Calif. Monthly publication. 221,618; renewed Dec. 7, 1946. O. G. July 1. Class 38.

Freeman, Miller, Publications of California: *See*—
Freeman, Miller.

Fremont Products Company: *See*—
Gundlach, Paul J.

Game Creations, Inc., New York, N. Y. Board game. 431,062; July 1; Serial No. 516,125; published Apr. 15, 1947. Class 22.

General Exhibits & Displays, Inc., Chicago, Ill., assignor to Acme White Lead & Color Works, Detroit, Mich. Diorama models used as a scientific guide for color selections. 430,963; July 1; Serial No. 499,619; published Apr. 15, 1947. Class 26.

General Products Co., Brooklyn, N. Y. Liquid laundry starch. 430,969; July 1; Serial No. 500,299; published Mar. 18, 1947. Class 6.

Gilcor Manufacturing Company, Inc., New York, N. Y. Liquid laundry starch. 430,945; July 1; Serial No. 497,789; published Oct. 8, 1946. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Hydrogenated lanolin. 430,889; July 1; Serial No. 480,700; published May 29, 1945. Class 6.

Glasdown Corporation, Wilkes-Barre, Pa. Mattresses, pillows, and cushions. 431,015; July 1; Serial No. 504,107; published Apr. 15, 1947. Class 32.

Globe Parlor Furniture Company, High Point, N. C. Upholstered sofas and chairs, dining room tables, buffets and cabinets, etc. 430,917; July 1; Serial No. 493,266; published Mar. 18, 1947. Class 32.

Golden Nugget Sweets, to Golden Nugget Sweets Ltd., San Francisco, Calif. Fudge. 226,824; renewed Apr. 19, 1947. O. G. July 1. Class 46.

Golden Nugget Sweets Ltd.: *See*—
Golden Nugget Sweets.

Gomez, Nicomedes G., Segovia, Spain. Special anisette. 430,880; July 1; Serial No. 471,118; published Apr. 15, 1947. Class 49.

Good-Mark Products Company, Grand Rapids, Mich. Cosmetics, specifically hand lotion, oral deodorant, and external deodorant. 430,943; July 1; Serial No. 497,475; published Mar. 25, 1947. Class 6.

Gordon, Manuel, doing business as Gordon Manufacturing Company, Philadelphia, Pa. Spring hobby horses, rocking horses and playground equipment. 430,913; July 1; Serial No. 491,321; published Apr. 15, 1947. Class 22.

Gordon Manufacturing Company: *See*—
Gordon, Manuel.

Gowen, Howerton, doing business as Howerton Gowen Company, Roanoke Rapids, N. C. Bleach solution. 430,905; July 1; Serial No. 489,327; published Apr. 1, 1947. Class 6.

Gowen, Howerton, Company: *See*—
Gowen, Howerton.

Greever's Inc., Chilhowie, Va. Insecticides. 431,069; July 1. Class 6.

Greil Drug and Chemical Company: *See*—
Greil, Terry T.

Greil, Terry T., assignor to Greil Drug and Chemical Company, Pittsburgh, Pa. Solution for treatment of athlete's foot. 431,044; July 1; Serial No. 505,410; published Mar. 18, 1947. Class 6.

Guerlain, Inc., New York, N. Y. Perfumes and toilet waters. 431,050; July 1; Serial No. 505,699; published Apr. 1, 1947. Class 6.

Gundlach, Paul J., doing business as Fremont Products Company, Lakewood, and Cleveland, Ohio. Vitamin preparation. 430,885; July 1; Serial No. 478,386; published Apr. 1, 1947. Class 6.

Haak, Blaine J., doing business as Rainbow Manufacturing Company, Kansas City, Mo. Ointment. 430,926; July 1; Serial No. 494,840; published Mar. 18, 1947. Class 6.

Hat Corporation of America: *See*—
Crofut & Knapp Co., The.

Helpy Selfy Service System, Inc., Fort Lauderdale, Fla. Clothes washing machines and parts thereof. 430,994; July 1; Serial No. 502,215; published Apr. 8, 1947. Class 24.

Herco Chemical Co.: *See*—
Herrzog, Stephen.

Herczog, Stephen, doing business as Herco Chemical Co., Sydney, New South Wales, Australia. Skin lotions. 430,899; July 1; Serial No. 487,678; published Apr. 1, 1947. Class 6.

Hester, George C., Glendale, Calif. Perfumes. 431,047; July 1; Serial No. 505,497; published Mar. 18, 1947. Class 6.

Hijos de Pablo Esparza Bodegas Navarras S. A., Villava, Spain. Wine, especially wine of the champagne type. 430,907; July 1; Serial No. 489,803; published Apr. 8, 1947. Class 47.

Hills Brothers Company, The, New York, N. Y. Canned pimientos. 224,696; renewed Mar. 1, 1947. O. G. July 1. Class 46.

Holliday, L. B., & Company, Limited, Huddersfield, England. Dyes used for coloring textiles and other materials. 430,924; July 1; Serial No. 494,746; published Mar. 25, 1947. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Leather packings. 226,957; renewed Apr. 26, 1947. O. G. July 1. Class 35.

House of Vision-Belgard-Spero Inc., Chicago, Ill. Eyeglasses, optical lenses, spectacle frames, etc. 430,936–7; July 1; Serial Nos. 496,080–1; published Feb. 4, 1947. Class 26.

Hoxworth and Hoxworth, doing business under the name "Ed Hoxworth," Waco, Tex. Salve for sores, eruptions of the skin, and especially piles. 430,890; July 1; Serial No. 480,769; published Apr. 8, 1947. Class 6.

Irresistible, Inc., New York, N. Y. Cologne. 431,003; July 1; Serial No. 502,640; published Apr. 15, 1947. Class 6.

Jaquet, Incorporated, New York, N. Y. Perfume, cologne, perfumed sachet powders, etc. 430,952; July 1; Serial No. 498,996; published Apr. 1, 1947. Class 6.

Kathryn, Inc., assignee: *See*—
Daumit, Kay.
Daumit, Kay, Inc.

Kaz Manufacturing Co., Inc., New York, N. Y. Medicated solutions. 431,009; July 1; Serial No. 503,298; published Apr. 1, 1947. Class 6.

Keene-Belvidere Canning Company, to Rock Valley Canning Company, Belvidere, Ill. Canned peas and corn. 222,561; renewed Jan. 4, 1947. O. G. July 1. Class 46.

Kelley-Clarke Company, San Francisco, Calif. Frozen fresh deciduous fruits, berries, vegetables, etc. 431,077; July 1. Class 46.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 430,988; July 1; Serial No. 496,317; published Apr. 8, 1947. Class 21.

Kelly Axe & Tool Co., Charleston, W. Va., to The American Fork and Hoe Company, Cleveland, Ohio. Axes, hatchets, hammers, etc. 222,307; renewed Dec. 28, 1946. O. G. July 1. Class 23.

Kendall Company, The: *See*—
Kendall Mills, Inc.

Kendall Mills, Inc., to The Kendall Company, Walpole, Mass. Surgical dressings and sanitary napkins. 224,096; renewed Feb. 15, 1947. O. G. July 1. Class 44.

Kenimer Company, The, Bishop, Ga. Remedy for asthma. 431,054; July 1; Serial No. 505,961; published Apr. 8, 1947. Class 6.

Kraft Foods Company: *See*—
Martin, John S., & Co., Inc.

La Camera, Jean, Vincennes, France. Medicinal preparation. 430,898; July 1; Serial No. 487,475; published Mar. 18, 1947. Class 6.

Lambert Vitamins Company, Inc., New York, N. Y. Multivitamins. 430,996; July 1; Serial No. 502,303; published Apr. 8, 1947. Class 6.

Lane Brothers Co., Boston, Mass. Boots and shoes of leather, rubber fabric, etc. 223,903; renewed Feb. 15, 1947. O. G. July 1. Class 39.

Lehman Bros., Cleveland, Ohio. Skin and hair conditioner for dogs and other animals. 431,073; July 1. Class 6.

Lehman Bros. Corp.: *See*—
Lehman Bros., Inc.

Lehman Bros., Inc., to Lehman Bros. Corp., Jersey City, N. J. Dry, ready-mixed and paste paints, paint enamels, varnishes, etc. 217,007; renewed Aug. 24, 1946. O. G. July 1. Class 16.

Lemke, B. L., & Company, New York, N. Y. 5,7-diiodo-8-hydroxyquinoline. 430,920; July 1; Serial No. 494,224; published Apr. 1, 1947. Class 6.

Leonard Refrigerator Company, Grand Rapids, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerators and refrigerator parts. 221,000; renewed Nov. 23, 1946. O. G. July 1. Class 31.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Thiosulphate of gold and sodium. 220,540; renewed Nov. 9, 1946. O. G. July 1. Class 6.

Les Etablissements Poulenc Freres, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Anilarsinate of sodium. 221,391; renewed Nov. 30, 1946. O. G. July 1. Class 6.

Les Laboratoires de la Jeunesse S. A. R. L., Paris, France. Perfumes, cold and vanishing creams, skin lotions, etc. 430,974; July 1; Serial No. 500,760; published Apr. 1, 1947. Class 6.

Lewis, Rosemarie, doing business as Vogarel Products Co., Los Angeles, Calif. Enema powder. 430,992; July 1; Serial No. 501,993; published Mar. 18, 1947. Class 6.

Lopez, Raphael, doing business as Maison Raphael, Paris, France. Perfumes, toilet waters, rouge, etc. 431,011; July 1; Serial No. 503,379; published Apr. 8, 1947. Class 6.

Lyk-Nu Company: *See*—
Banks, Al A.

Maas & Waldstein Company, Newark, N. J. Plastic substances sold in solid and in solution form. 430,901; July 1; Serial No. 488,354; published Mar. 25, 1947. Class 6.

Madamoiselle Co., Philadelphia, Pa. Pads impregnated with a deodorant. 430,927; July 1; Serial No. 494,912; published Apr. 1, 1947. Class 6.

Magnaflux Corporation, Chicago, Ill. Electrical apparatus for detecting the presence of metal particles. 431,000; July 1; Serial No. 502,445; published Apr. 15, 1947. Class 26.

Maison Raphael: *See*—
Raphael, Lopez.

Malchow, Frederick, doing business as The Aljo Manufacturing Co., to Aljo Manufacturing Co. Inc., New York, N. Y. Dyes and colors. 208,776; renewed Feb. 9, 1946. O. G. July 1. Class 6.

Manhattan Rubber Mfg. Co., The, to Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings and linings. 222,899; renewed Jan. 11, 1947. O. G. July 1. Class 35.

Manufacturing Co. of America, to Thos. D. Richardson Company, Philadelphia, Pa. Candy and chewing gum. 62,269; re-renewed Apr. 30, 1947. O. G. July 1. Class 46.

Martin, John S., & Co., Inc., Lowville, N. Y., to Kraft Foods Company, Chicago, Ill. Cheese. 223,947; renewed Feb. 15, 1947. O. G. July 1. Class 46.

Master Builders Company, The, Cleveland, Ohio. Material for treating and coloring cement surfaces by chemical reaction. 226,273; renewed Apr. 5, 1947. O. G. July 1. Class 12.

McCoy, E., & Sons, Los Angeles, Calif. Vitamin concentrates. 431,075; July 1. Class 6.

Melrath, Earle B., doing business as Melrath Supply and Gasket Company, to Melrath Supply & Gasket Co., Inc., Philadelphia, Pa. Sheet water and oil packing and gaskets made therefrom. 213,324; renewed May 25, 1946. O. G. July 1. Class 35.

Melrath Supply and Gasket Company: *See*—
Melrath, Earle B.

Melrath Supply & Gasket Co., Inc.: *See*—
Melrath, Earle B.

Mengel Company, The, Louisville, Ky. Dressers, bureaus, highboys, etc. 431,008; July 1; Serial No. 503,211; published Apr. 15, 1947. Class 32.

Merwyn Concentrates, Inc., St. Louis, Mo. Bottled imitation grape flavor soft drink and bottled imitation grape concentrate flavoring extract therefor. 431,060; July 1; Serial No. 510,099; published Apr. 8, 1947. Class 45.

Meta Cine Company, Chattanooga, Tenn., now by change of name Brayton Pharmaceutical Company. Medicinal preparation. 431,052; July 1; Serial No. 505,762; published Apr. 15, 1947. Class 6.

Metal & Thermit Corporation, New York, N. Y. Zirconium opacifier. 431,004; July 1; Serial No. 502,707; published Apr. 8, 1947. Class 6.

Metro Case Company, Newark, N. J. Radiator cabinets and enclosures, kitchen cabinets, wall units, etc. 430,921; July 1; Serial No. 494,227; published Mar. 18, 1947. Class 32.

Mid-States Gummed Paper Co.: *See*—
Mid-States Gummed Paper Company.

Mid-States Gummed Paper Company, to Mid-States Gummed Paper Co., Chicago, Ill. Gummed tape. 227,050; renewed Apr. 26, 1947. O. G. July 1. Class 37.

Miles Laboratories, Inc., Elkhart, Ind. Analgesic product. 431,040; July 1; Serial No. 505,221; published Mar. 25, 1947. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins for general use in the treatment of textiles. 430,923; July 1; Serial No. 494,348; published Mar. 25, 1947. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. 431,063; July 1; Serial No. 505,765; published Mar. 25, 1947. Class 6.

Narf Company, The: *See*—
Schaefer, Frank J.

Nash-Kelvinator Corporation: *See*—
Leonard Refrigerator Company.

National Mattress Company, Huntington, W. Va. Mattresses, box springs, sofa beds, etc. 430,919; July 1; Serial No. 493,449; published Apr. 15, 1947. Class 32.

Nineteen Hundred Washer Co., The, Binghamton, N. Y., to Nineteen Hundred Corporation, St. Joseph, Mich. Washing-machines and wringers. 61,501; re-renewed Mar. 26, 1947. O. G. July 1. Class 24.

Nineteen Hundred Washer Company, The, Binghamton, N. Y., to Nineteen Hundred Corporation, St. Joseph, Mich. Power-operated clothes-washing machines. 226,129; renewed Mar. 29, 1947. O. G. July 1. Class 24.

Nineteen Hundred Corporation: *See*—
Nineteen Hundred Washer Co., The.
Nineteen Hundred Washer Company, The.

Nitsch, C. A., Company: *See*—
Nitsch, Charles A.

Nitsch, Charles A., doing business as C. A. Nitsch Company, Elkridge, Md. Emulsified nasal drops and spray. 430,882; July 1; Serial No. 476,170; published Apr. 15, 1947. Class 6.

Normilart Corporation, New York, N. Y. Electrical questionnaire game. 431,068; July 1. Class 22.

Nunes, Edward M., doing business under the name and style of Palo Pacific Co., San Francisco, Calif. Seat and back rest. 430,902; July 1; Serial No. 502,591; published Apr. 15, 1947. Class 32.

Oelerich & Berry Company, Chicago, Ill. Table sirup, fruit preserves, jelly, etc. 223,424; renewed Feb. 1, 1947. O. G. July 1. Class 46.

Ohio Brass Company, The, Mansfield, Ohio. Castings made from malleableized cast iron. 222,036; renewed Dec. 21, 1946. O. G. July 1. Class 14.

Olin Industries, Inc.: *See*—
Winchester Repeating Arms Co.

Omega Machine Co., Providence, R. I. Feeders for continuously and automatically feeding powdered or granular material into a mass of material to become a part thereof. 430,892; July 1; Serial No. 493,079; published Apr. 15, 1947. Class 26.

Palo Pacific Co.: *See*—
Nunes, Edward M.

Parfait, Incorporated, Chicago, Ill. Cologne, talcum powder, after-shave lotion, etc. 431,006; July 1; Serial No. 502,997; published Apr. 15, 1947. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 430,989; July 1; Serial No. 501,672; published Mar. 18, 1947. Class 6.

Parfums Corday, Inc., New York, N. Y. Perfume, toilet water, bath powder, and cologne. 430,997; July 1; Serial No. 502,318; published Apr. 8, 1947. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. 431,016; July 1; Serial No. 503,324; published Mar. 25, 1947. Class 6.

Perkins Soap Company, Springfield, Mass. Textile oil. 227,033–4; renewed Apr. 26, 1947. O. G. July 1. Class 6.

Pervy, Adolphe, Westchester, Pa. Combined sound and picture film. 431,026; July 1; Serial No. 504,452; published Apr. 15, 1947. Class 26.

Pharmaceutical Organics, Inc., New York, N. Y. Medicinal preparation. 431,041; July 1; Serial No. 505,228; published Apr. 1, 1947. Class 6.

Pharma-Craft Corporation, The, New York, N. Y. Hair tonic. 431,045; July 1; Serial No. 505,442; published Mar. 18, 1947. Class 6.

Philco Corporation, Philadelphia, Pa. Racks. 430,881; July 1; Serial No. 473,120; published Apr. 8, 1947. Class 32.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Tooth powder. 431,028; July 1; Serial No. 504,661; published Apr. 1, 1947. Class 6.

Philom Company, The, Canton and Akron, Ohio. Skin protecting compound. 430,897; July 1; Serial No. 486,383; published Apr. 8, 1947. Class 6.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Preparations indicated as a tonic. 431,036; July 1; Serial No. 505,004; published Mar. 18, 1947. Class 6.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Preparations having diuretic, laxative, tonic and sedative properties. 431,037; July 1; Serial No. 505,005; published Mar. 18, 1947. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses, playards, cribs, etc. 430,893; July 1; Serial No. 483,737; published Apr. 15, 1947. Class 32.

Potts, Horace T., Co.: *See*—
Potts, Horace T., & Co.

Potts, Horace T., & Co., to Horace T. Potts Co., Philadelphia, Pa. Deformed concrete steel bars. 215,248; renewed July 13, 1946. O. G. July 1. Class 12.

Primrose House, Inc., New York, N. Y. Bath salts, bath oils, hand lotion, etc. 430,902; July 1; Serial No. 488,548; published Sept. 3, 1946. Class 6.

Princess Pat Ltd., assignee: *See*—
Baizly, Stanley M.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 430,986; July 1; Serial No. 501,530; published Mar. 25, 1947. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo and cosmetic cream. 430,987; July 1; Serial No. 501,531; published Dec. 17, 1946. Class 6.

Rainbow Manufacturing Company: *See*—
Haak, Blaine J.

Raybestos-Manhattan, Inc.: *See*—
Manhattan Rubber Mfg. Co., The.

Rayon Processing Co. of R. I. Inc., The, Central Falls, R. I. Cotton flock. 431,067; July 1. Class 1.

Reeve Chemical Company, Inc., Brooklyn, N. Y. Ethical preparation. 431,025; July 1; Serial No. 504,389; published Apr. 1, 1947. Class 6.

Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 431,070; July 1. Class 8.

Rejuvia Beauty Laboratories, Inc., New York, N. Y. Perfume, toilet water, perfumed sachet, etc. 431,032; July 1; Serial No. 505,006; published Apr. 8, 1947. Class 6.

Respro, Inc., Providence, to Respro, Inc., Cranston, R. I. Adhesively-integrated fibrous material. 226,936; renewed Apr. 26, 1947. O. G. July 1. Class 50.

Richardson, Thos. D., Company: *See*—
Manufacturing Co. of America.

Richmond Chemical Company, Inc., The, Tulsa, Okla. Solvent particularly adapted for cleaning and preventing rust, etc. 430,894; July 1; Serial No. 484,591; published Apr. 1, 1947. Class 6.

Riette, Elizabeth F., doing business as Texatone Co., Methuen, Mass. Preparation for internal treatment of asthma, bronchial affections, catarrh, etc. 430,900; July 1; Serial No. 487,692; published Sept. 3, 1946. Class 6.

Riley, Stephen, Company: *See*—
Riley, Stephen E.

Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Bubble bath preparation. 430,948; July 1; Serial No. 498,461; published Nov. 5, 1946. Class 6.

Rock Valley Canning Company: *See*—
Keene-Belvidere Canning Company.

Roig, Jose M. S., Barcelona, Spain. Pharmaceutical compositions. 430,971 July 1; Serial No. 500,418. O. G. Apr. 1, 1947. Class 6.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. 431,033; July 1; Serial No. 505,011; published Mar. 25, 1947. Class 6.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. 431,034; July 1; Serial No. 505,013; published Mar. 18, 1947. Class 6.

Ross, Sydney, Co., The, Newark, N. J. Vermifuges. 431,035; July 1; Serial No. 505,082; published Mar. 18, 1947. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks and lipstick refills, creme rouge and creme rouge refills, etc. 430,939; July 1; Serial No. 496,335; published Apr. 1, 1947. Class 6.

Santa Chemical & Supply Company, Indianapolis, Ind. Concentrated sprayable weed killer liquid. 431,013; July 1; Serial No. 503,602; published Mar. 25, 1947. Class 6.

Santaella, A., & Co. Inc., Tampa, Fla., and New York, N. Y. Cigars. 216,046; renewed Sept. 21, 1946. O. G. July 1. Class 17.

Sav-Way Industries, assignor to Sav-Way Industries, Incorporated, Detroit, Mich. Toy coaster wagons. 430,915; July 1; Serial No. 493,148; published Apr. 15, 1947. Class 22.

Sav-Way Industries, Incorporated, assignee: *See*— Sav-Way Industries.

Schaefer, Frank J., doing business under the name of The Narf Company, St. Louis, Mo. Solvents in the nature of chemical solvents. 430,965; July 1; Serial No. 499,858; published Mar. 25, 1947. Class 6.

Schieffelin & Co., New York, N. Y. Fluid extract belladona leaves; fluid extract cascara sagrada; fluid extract colchicum, etc. 430,895; July 1; Serial No. 485,655; published Apr. 1, 1947. Class 6.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Arch supports and similar foot corrective appliances. 225,272; renewed Mar. 15, 1947. O. G. July 1. Class 44.

Scholl Mfg. Co. Inc., Chicago, Ill. Boots, shoes and slippers. 225,761; renewed Mar. 22, 1947. O. G. July 1. Class 39.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Arch supports. 225,932; renewed Mar. 29, 1947. O. G. July 1. Class 44.

Shapiro, Harry: *See*— Associated Products, Inc.

Shapiro, Harry, doing business as Chemical Specialities Company, New York, N. Y. Insect repellent, and insecticide. 430,946; July 1; Serial No. 497,973; published June 18, 1946. Class 6.

Sills Research Laboratory, Los Angeles, Calif. Suntan lotion. 431,001; July 1; Serial No. 502,467; published Apr. 15, 1947. Class 6.

Sitroux, Inc., New York, N. Y. Hair rolls. 431,072; July 1. Class 40.

Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Perfumes, toilet creams, and dentifrices. 430,954–5; July 1; Serial Nos. 499,157–8; published Apr. 15, 1947. Class 6.

Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Perfumes, toilet creams, and dentifrices. 430,956–7; July 1; Serial Nos. 499,160–1; published Apr. 15, 1947. Class 6.

Societe Anonyme de Diffusion Internationale de Parfumerie, Paris, France. Perfumes, toilet creams, and dentifrices. 430,958–60; July 1; Serial Nos. 499,163–5; published Apr. 15, 1947. Class 6.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres near Paris, France. Perfumes. 430,993; July 1; Serial No. 502,086; published Apr. 15, 1947. Class 6.

Societe des Usines Chimiques Rhone-Poulenc: *See*— Les Etablissements Poulenc Freres.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. 430,928; July 1; Serial No. 494,932; published Apr. 8, 1947. Class 6.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. 430,929; July 1; Serial No. 494,933; published Apr. 1, 1947. Class 6.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. 430,930–34; July 1; Serial Nos. 494,935–9; published Apr. 1, 1947. Class 6.

Sosin, Walter S., doing business as The Walstan Co., New York, N. Y. Men's toiletries. 430,918; July 1; Serial No. 493,405; published Apr. 15, 1947. Class 6.

Southern Furniture Repair Co.: *See*— Fonvielle, Herman F.

Spring City Knitting Company, Spring City, Pa. Ladies' cotton knit underwear. 227,368; renewed May 3, 1947. O. G. July 1. Class 39.

Squibb, E. R., & Sons, New York, N. Y. Various chemicals, medicines, drugs dietary supplements, etc. 430,944; July 1; Serial No. 497,747; published Apr. 8, 1947. Class 6.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Parasiticides. 431,051; July 1; Serial No. 505,717; published Mar. 18, 1947. Class 6.

Sterling Metal Products Company, assignee: *See*— Vassar, Clyde W.

Stuhr-Seidl Company, to Archer-Daniels-Midland Company, Minneapolis, Minn. Oats for seed and barley for seed. 220,113; renewed Nov. 2, 1946. O. G. July 1. Class 1.

Texatone Co.: *See*— Rietta, Elizabeth F.

Thonet Brothers, Inc., New York, N. Y. Barbers' armchairs, bedroom suites, bedsteads, etc. 430,883; July 1; Serial No. 478,018; published Mar. 18, 1947. Class 32.

Touma, A., Manufacturing Company: *See*— Touma, Assied.

Touma, Assied, doing business as A. Touma Manufacturing Company, Plantsville, Conn. Medicinal preparation. 431,046; July 1; Serial No. 505,471; published Mar. 18, 1947. Class 6.

Tracerlab, Inc., Boston, Mass. Scientific instruments. 430,970; July 1; Serial No. 500,331; published Apr. 15, 1947. Class 26.

Trossman, Albert, doing business as Twi-Lite Bedding Company, Chicago, Ill. Mattresses, studio couches, and box springs. 430,985; July 1; Serial No. 501,423; published Mar. 25, 1947. Class 32.

Twi-Lite Bedding Company: *See*— Trossman, Albert.

United Fruit Company, Boston, Mass. Tropical fruits. 221,055; renewed Nov. 23, 1946. O. G. July 1. Class 46.

U. S. Conserve Co., St. Louis, Mo. Canned gefullte fish. 431,074; July 1. Class 46.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 430,906; July 1; Serial No. 489,628; published Mar. 18, 1947. Class 6.

Vassar, Clyde W., San Mateo, assignor to Sterling Metal Products Company, Redwood City, Calif. Babies' and children's toy portable swings and parts thereof. 430,941; July 1; Serial No. 496,741; published Apr. 15, 1947. Class 22.

Veet Manufacturing Company: *See*— Veit, Robert C.

Veit, Robert C., doing business as Veet Manufacturing Company, East Detroit, Mich. Loose leaf binders. 431,065; July 1. Class 37.

Vernis Claessens S. A. Anct. Claessens Frères & Co., Deurne-Antwerp, Belgium. Ready-mixed paints, varnishes, and paint enamels. 195,526–7; renewed Feb. 24, 1945. O. G. July 1. Class 16.

Vestal Chemical Company, St. Louis, Mo. Disinfectants, germicides, and antiseptics. 430,888; July 1; Serial No. 480,682; published Apr. 1, 1947. Class 6.

Vigilant Products Company, New York, N. Y. Chemical preparation to prevent tarnish on precious metals. 430,967; July 1; Serial No. 500,037; published Apr. 8, 1947. Class 6.

Vishnu Corporation, The, Cleveland, Ohio. All purpose complexion creams. 430,973; July 1; Serial No. 500,587; published Mar. 18, 1947. Class 6.

Vitagas Company: *See*— Buell, E. B.

Vogarel Products Co.: *See*— Lewis, Rosemarie.

Waite Carpet Company, Oshkosh, Wis. Fabric rugs. 221,062; renewed Nov. 23, 1946. O. G. July 1. Class 42.

Wallace Laboratories, Inc., New Brunswick, N. J. Preparation in liquid form for impetigo, etc. 431,017; July 1; Serial No. 504,228; published Mar. 25, 1947. Class 6.

Wallace Laboratories, Inc., New Brunswick, N. J. Preparation in liquid form for ringworm, etc. 431,018; July 1; Serial No. 504,229; published Mar. 25, 1947. Class 6.

Walstan Co., The: *See*— Sosin, Walter S.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Soap. 226,963; renewed Apr. 26, 1947. O. G. July 1. Class 4.

Warner, William R., & Co., Inc., New York, N. Y. Prescription vehicle. 430,914; July 1; Serial No. 491,375; published Apr. 8, 1947. Class 6.

Webster, William A.. Co., The, also doing business as American Company, Memphis, Tenn. Hair shampoo, hair dressing, hair oil, etc. 431,007; July 1; Serial No. 503,027; published Mar. 18, 1947. Class 6.

Weldon, Inc., West Haven, Conn., and New York, N. Y. Perfumes, cologne, sachet powder, etc. 430,922; July 1; Serial No. 494,246; published Sept. 10, 1946. Class 6.

Weleda, Inc., New York, N. Y. Toiletries and cosmetics. 430,886; July 1; Serial No. 478,727; published Apr. 8, 1947. Class 6.

Western United Distributors, San Francisco, Calif. Brandy. 430,949–50; July 1; Serial Nos. 498,557–8; published Apr. 15, 1947. Class 49.

Whiting-Adams Company, Inc.: *See*— Whiting, John L., & Son Co.
Whiting, John L.,-J. J. Adams Company.

Whiting, John L.,-J. J. Adams Company, to Whiting-Adams Company, Inc., Boston, Mass. Brushes for painting, varnishing, or applying various liquids, etc. 213,645–9; renewed June 1, 1946. O. G. July 1. Class 29.

Whiting, John L.-J. J. Adams Company, to Whiting-Adams Company, Inc., Boston, Mass. Brushes for painting, varnishing, or applying various liquids, etc. 213,924; renewed June 8, 1946. O. G. July 1. Class 29.

Whiting, John L., & Son Co., to Whiting-Adams Company, Inc., Boston, Mass. Brushes of all kinds. 52,830–6; re-renewed May 22, 1946. O. G. July 1. Class 29.

Whiting, John L., & Son Co., to Whiting-Adams Company, Inc., Boston, Mass. Brushes of all kinds. 52,851–2; re-renewed May 22, 1946. O. G. July 1. Class 29.

Whiting, John L., & Son Co., to Whiting-Adams Company, Inc., Boston, Mass. Brushes of all kinds. 52,864–70; re-renewed May 22, 1946. O. G. July 1. Class 29.

Whiting, John L., & Son Co., to Whiting-Adams Company, Inc., Boston, Mass. Brushes of all kinds. 53,145; re-renewed May 29, 1946. O. G. July 1. Class 29.

Willow Reed System, Inc., Seattle, Wash. Sun tan oil. 430,964; July 1; Serial No. 499,812; published Apr. 1, 1947. Class 6.

Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Gun-grease. 59,080; re-renewed Jan. 1, 1947. O. G. July 1. Class 15.

Zitomer Chemists, Inc., New York, N. Y. Emollient cream. 430,940; July 1; Serial No. 496,358; published Mar. 25, 1947. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Flock, Cotton. Rayon Processing Co. of R. I. Inc. 431,067; July 1.

Oats for seed and barley for seed. Stuhr-Seidl Company. 220,113; renewed Nov. 2, 1946. O. G. July 1.

CLASS 4

Soap. John Wanamaker Philadelphia. 226,963; renewed Apr. 26, 1947. O. G. July 1.

CLASS 6

Analgesic product. Miles Laboratories, Inc. 431,040; July 1; Serial No. 505,221; published Mar. 25, 1947.

Anilarsinate of sodium. Les Etablissements Poulenc Freres. 221,891; renewed Nov. 30, 1946. O. G. July 1.

Base exchange material commonly known as carbonaceous or organic type zeolite. Culligan Zeolite Company. 430,904; July 1; Serial No. 489,206; published Mar. 25, 1947.

Bath preparation, Bubble. S. E. Riley. 430,948; July 1; Serial No. 498,461; published Nov. 5, 1946.

Bleach solution. H. Gowen. 430,905; July 1; Serial No. 489,327; published Apr. 1, 1947.

Carbon black dispersion. Carbon Dispersions Inc. 430,975; July 1; Serial No. 500,855; published Mar. 18, 1947.

Chemical composition in powdered form. Destruxol Corporation, Ltd. 430,961; July 1; Serial No. 499,213; published Apr. 15, 1947.

Chemical preparation to prevent tarnish on all precious metals. Vigilant Products Company. 430,967; July 1; Serial No. 500,037; published Apr. 8, 1947.

Chemical products. Monsanto Chemical Company. 431,053; July 1; Serial No. 505,765; published Mar. 25, 1947.

Chemical to be added to fire fighting liquid. Arnold, Hoffman & Co. Incorporated. 430,991; July 1; Serial No. 501,893; published Apr. 1, 1947.

Chemical weed exterminator. Bay Chemical Co., Inc. 430,966; July 1; Serial No. 499,987; published Apr. 8, 1947.

Chemicals, medicines, drugs, dietary supplements, etc., Various. E. R. Squibb & Sons. 430,944; July 1; Serial No. 497,747; published Apr. 8, 1947.

Coating material, Liquid. Clay-Adams Company, Inc. 430,884; July 1; Serial No. 478,030; published July 16, 1946.

Cologne. Sara Cooley Cosmetics. 430,999; July 1; Serial No. 502,428; published Apr. 15, 1947.

Cologne. Kay Daumit, Inc. 430,980; July 1; Serial No. 501,120; published Mar. 11, 1947.

Cologne. Irresistible, Inc. 431,003; July 1; Serial No. 502,040; published Apr. 15, 1947.

Cologne and talcum powder. Kay Daumit, Inc. 431,023; July 1; Serial No. 504,339; published Mar. 11, 1947.

Cologne, talcum powder, after-shave lotion, etc. Parfait, Incorporated. 431,006; July 1; Serial No. 502,997; published Apr. 15, 1947.

Container charged with a medicament. Abbott Laboratories. 430,962; July 1; Serial No. 499,369; published Apr. 8, 1947.

Cosmetics, specifically hand lotion, oral deodorant, and external deodorant. Good-Mark Products Company. 430,943; July 1; Serial No. 497,475; published Mar. 25, 1947.

Cough preparation. N. Brownstein. 431,042; July 1; Serial No. 505,389; published Apr. 15, 1947.

Cream, Emolient. Zitomer Chemists, Inc. 430,940; July 1; Serial No. 496,358; published Mar. 25, 1947.

Creams, All purpose complexion. Vishnu Corporation. 430,973; July 1; Serial No. 500,587; published Mar. 18, 1947.

Disinfectant, Pine oil. Columbia Chemical Company. 430,916; July 1; Serial No. 493,253; published Apr. 8, 1947.

Disinfectants, germicides, and antiseptics. Vestal Chemical Company. 430,888; July 1; Serial No. 480,682; published Apr. 1, 1947.

Drug which contains an oral form of penicillin. Barron Chemical Corp. 430,935; July 1; Serial No. 495,719; published Apr. 15, 1947.

Dyes and colors. F. Malchow. 208,776; renewed Feb. 9, 1946. O. G. July 1.

Dyes used for coloring textiles and other materials. L. B. Holliday & Company Limited. 430,924; July 1; Serial No. 494,746; published Mar. 25, 1947.

Eau de cologne, perfumes, face powders, etc. S. de Benveniste. 430,958; July 1; Serial No. 499,120; published Apr. 8, 1947.

Emulsified nasal drops and spray. C. A. Nitsch. 430,882; July 1; Serial No. 476,170; published Apr. 15, 1947.

Enema powder. R. Lewis. 430,992; July 1; Serial No. 501,993; published Mar. 18, 1947.

Ethical preparation. Reeve Chemical Company, Inc. 431,025; July 1; Serial No. 504,389; published Apr. 1, 1947.

Face powder. J. Cochran. 430,903; Juiy 1; Serial No. 488,952; published Mar. 18, 1947.

Face powder, dusting powder, toilet water, perfume, etc. Coty, Inc. 431,048; July 1; Serial No. 505,559; published Mar. 18, 1947.

5,7-diiodo-8-hydroxyquinoline. B. L. Lemke & Company. 430,920; July 1; Serial No. 494,224; published Apr. 1, 1947.

Fluid extract belladonna leaves; fluid extract cascara sagrada; fluid extract colchicum, etc. Schieffelin & Co. 430,895; July 1; Serial No. 485,655; published Apr. 1, 1947.

Gas, Bottled. Bottled Gas Company of America. 431,020–1; July 1; Serial Nos. 504,320–1; published Mar. 25, 1947.

Gas, Natural. E. B. Buell. 430,988; July 1; Serial No. 501,633; published Mar. 25, 1947.

Hair dressing. Amarosa Co. Inc. 430,968; July 1; Serial No. 500,159; published Nov. 5, 1946.

Hair dressing and preparations. S. M. Baltsly. 431,036; July 1; Serial No. 505,098; published Apr. 15, 1947.

Hair dressing, shampoo, hand lotion, etc. Otis Clapp & Son, Inc. 430,887; July 1; Serial No. 479,833; published July 16, 1946.

Hair pomade and dressing, Packaged. F. Aaron. 430,978; July 1; Serial No. 501,105; published Apr. 8, 1947.

Insect repellent in liquid form. Chandler Chemical Corp. 431,005; July 1; Serial No. 502,737; published Mar. 18, 1947.

Insecticides. Greever's, Inc. 431,069; July 1.

Insecticides. Pennsylvania Salt Manufacturing Company. 431,010; July 1; Serial No. 503,324; published Mar. 25, 1947.

Insecticides and insect repellents, Liquid and powder. Associated Products, Inc. 430,910; July 1; Serial No. 490,475; published Apr. 2, 1946.

Insecticides, fungicides, rodenticides, and weed killers. American Cyanamid & Chemical Corporation. 430,982; July 1; Serial No. 501,224; published Apr. 8, 1947.

Insecticides in liquid spray and dust form and ant poisons. American Cyanamid & Chemical Corporation. 431,012; July 1; Serial No. 503,412; published Mar. 25, 1947.

Lanolin, Hydrogenated. Givaudan-Delawanna, Inc. 430,889; July 1; Serial No. 480,700; published May 29, 1945.

Lipstick and rouge. Affiliated Products, Inc. 431,038; July 1; Serial No. 505,171; published Mar. 18, 1947.

Lipsticks. Botany Worsted Mills. 431,055; July 1; Serial No. 506,505; published Mar. 18, 1947.

Lipsticks. Botany Worsted Mills. 431,056; July 1; Serial No. 506,507; published Apr. 8, 1947.

Lipsticks and lipstick refills, creme rouge and creme rouge refills, etc. Helena Rubinstein, Inc. 430,939; July 1; Serial No. 496,335; published Apr. 1, 1947.

Liquid, Concentrated sprayable weed killer. Sanita Chemical & Supply Company. 431,013; July 1; Serial No. 503,602; published Mar. 25, 1947.

Liquid deodorant. Kay Daumit, Inc. 430,976; July 1; Serial No. 500,963; published Feb. 25, 1947.

Liquid deodorant. Kay Daumit, Inc. 431,024; July 1; Serial No. 504,340; published Mar. 18, 1947.

Liquid laundry starch. General Products Co. 430,969; July 1; Serial No. 500,299; published Mar. 18, 1947.

Lotion, After-shave. County Perfumery Company, Inc. 431,043; July 1; Serial No. 505,394; published Mar. 18, 1947.

Lotion, Body. Kay Daumit, Inc. 430,979; July 1; Serial No. 501,119; published Mar. 25, 1947.

Lotion, Suntan. Sills Research Laboratory. 431,001; July 1; Serial No. 502,467; published Apr. 15, 1947.

Lotion, toilet water, talcum powder, etc., After-shaving. Avon Products, Inc. 430,925; July 1; Serial No. 494,779; published Oct. 1, 1946.

Lotions, Skin. S. Herczog. 430,899; July 1; Serial No. 487,678; published Apr. 1, 1947.

Make-up, Leg. Kay Daumit. 431,014; July 1; Serial No. 503,977; published Mar. 11, 1947.

Make-up, Leg. Kay Daumit, Inc. 431,022; July 1; Serial No. 504,337; published Mar. 11, 1947.

Medicated preparation. Doho Chemical Corporation. 430,990; July 1; Serial No. 501,833; published Mar. 25, 1947.

Medicated solutions. Kaz Manufacturing Co., Inc. 431,009; July 1; Serial No. 503,298; published Apr. 1, 1947.

Medicinal preparation. Drug Products Co., Inc. 430,981; July 1; Serial No. 501,123; published Apr. 15, 1947.

Medicinal preparation. J. La Camera. 430,898; July 1; Serial No. 487,475; published Mar. 18, 1947.

Medicinal preparation. Meta Cine Company. 431,052; July 1; Serial No. 505,762; published Apr. 15, 1947.

Medicinal preparation. Pharmaceutical Organics, Inc. 431,041; July 1; Serial No. 505,228; published Apr. 1, 1947.

Medicinal preparation. Societe des Usines Chimiques Rhone-Poulenc. 430,928; July 1; Serial No. 494,932; published Apr. 8, 1947.
Medicinal preparation. Societe des Usines Chimiques Rhone-Poulenc. 430,929; July 1; Serial No. 494,933; published Apr. 1, 1947.
Medicinal preparation. Societe des Usines Chimiques Rhone-Poulenc. 430,930–34; July 1; Serial Nos. 494,935–9; published Apr. 1, 1947.
Medicinal preparation. A. Touma. 431,046; July 1; Serial No. 505,471; published Mar. 18, 1947.
Medicinal preparation. Upjohn Company. 430,900; July 1; Serial No. 489,628; published Mar. 18, 1947.
Medicine in capsule form. Bergman Laboratory. 431,039; July 1; Serial No. 505,178; published Apr. 8, 1947.
Mixture of ingredients for making insecticides and fungicides. Cooperative Seed & Farm Supply Service, Inc. 430,896; July 1; Serial No. 485,942; published Apr. 8, 1947.
Multi-vitamins. Lambert Vitamins Company. 430,996; July 1; Serial No. 502,303; published Apr. 8, 1947.
Oil for headache, sore throat, fever sores, etc. A. Abuja. 431,063; July 1.
Oil, Sun tan. Willow Reed System, Inc. 430,964; July 1; Serial No. 499,812; published Apr. 1, 1947.
Oil, Textile. Perkins Soap Company. 227,033–4; renewed Apr. 26, 1947. O. G. July 1.
Ointment. B. J. Haak. 430,926; July 1; Serial No. 494,840; published Mar. 18, 1947.
Ointment, Skin. A. P. Brown. 430,951; July 1; Serial No. 498,579; published Apr. 8, 1947.
Oleate, specification creosote, commercial creosote oil, etc., Copper. American Tar Company. 430,879; July 1; Serial No. 468,215; published Mar. 18, 1947.
Opacifier, Zirconium. Metal & Thermit Corporation. 431,004; July 1; Serial No. 502,707; published Apr. 8, 1947.
Pads impregnated with a deodorant. Madamoiselle Co. 430,927; July 1; Serial No. 494,912; published Apr. 1, 1947.
Parasiticides. Standard Oil Company of California. 431,051; July 1; Serial No. 505,717; published Mar. 18, 1947.
Perfume. Mary Dunhill, Inc. 430,912; July 1; Serial No. 490,799; published Apr. 15, 1947.
Perfume, cologne, perfumed sachet powders, etc. Jaquet, Incorporated. 430,952; July 1; Serial No. 498,996; published Apr. 1, 1947.
Perfume, toilet water, bath powder, and cologne. Parfums Corday, Inc. 430,997; July 1; Serial No. 502,318; published Apr. 8, 1947.
Perfume, toilet water, eau de cologne, and nail polish. A. A. Fiaster. 430,977; July 1; Serial No. 501,059; published Mar. 18, 1947.
Perfume, toilet water, perfumed sachet, etc. Rejuvia Beauty Laboratories, Inc. 431,032; July 1; Serial No. 505,006; published Apr. 8, 1947.
Perfumes. G. C. Hester. 431,047; July 1; Serial No. 505,497; published Mar. 18, 1947.
Perfumes. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe. 430,993; July 1; Serial No. 502,086; published Apr. 15, 1947.
Perfumes and toilet waters. Etablissements Rigaud, Inc. 431,049; July 1; Serial No. 505,689; published Apr. 8, 1947.
Perfumes and toilet waters. Guerlain, Inc. 431,050; July 1; Serial No. 505,699; published Apr. 1, 1947.
Perfumes and toilet waters. Parfum L'Orle, Inc. 430,989; July 1; Serial No. 501,672; published Mar. 18, 1947.
Perfumes, cold and vanishing creams, skin lotions, etc. Les Laboratoires de la Jeunesse S. A. R. L. 430,974; July 1; Serial No. 500,760; published Apr. 1, 1947.
Perfumes, cologne, sachet powder, etc. Weldon, Inc. 430,922; July 1; Serial No. 494,246; published Sept. 10, 1946.
Perfumes, toilet creams, and dentifrices. Societe Anonyme de Diffusion Internationale de Parfumerie. 430,954–5; July 1; Serial Nos. 499,157–8; published Apr. 15, 1947.
Perfumes, toilet creams, and dentifrices. Societe Anonyme de Diffusion Internationale de Parfumerie. 430,956–7; July 1; Serial Nos. 499,160–1; published Apr. 15, 1947.
Perfumes, toilet creams, and dentifrices. Societe Anonyme de Diffusion Internationale de Parfumerie. 430,958–60; July 1; Serial Nos. 499,163–5; published Apr. 15, 1947.
Perfumes, toilet waters, rouge, etc. R. Lopez. 431,011; July 1; Serial No. 503,379; published Apr. 8, 1947.
Perfumes, toilet waters, rouge, etc. E. Rosens. 431,033; July 1; Serial No. 505,011; published Mar. 25, 1947.
Perfumes, toilet waters, rouge, etc. E. Rosens. 431,034; July 1; Serial No. 505,013; published Mar. 18, 1947.
Pharmaceutical compositions. J. M. S. Roig. 430,971; July 1; Serial No. 500,418; published Apr. 1, 1947.
Plastic substances sold in solid and in solution form. Mass & Waldstein Company. 430,901; July 1; Serial No. 488,354; published Mar. 25, 1947.
Preparation for internal treatment of asthma, bronchial affections, catarrh, etc. E. F. Riette. 430,900; July 1; Serial No. 487,693; published Sept. 3, 1946.
Preparation for the treatment of athlete's foot. R. H. Fite. 431,061; July 1; Serial No. 512,142; published Mar. 18, 1947.
Preparation in liquid form for impetigo, etc. Wallace Laboratories, Inc. 431,017; July 1; Serial No. 504,228; published Mar. 25, 1947.
Preparation in liquid form for ringworm, etc. Wallace Laboratories, Inc. 431,018; July 1; Serial No. 504,229; published Mar. 25, 1947.
Preparation in wafer form to perfume and sweeten the breath. A. N. Brooks. 430,995; July 1; Serial No. 502,264; published Apr. 1, 1947.
Preparations for the treatment of coughs due to colds. J. W. S. Delavau Co. 431,029; July 1; Serial No. 504,662; published Mar. 18, 1947.
Preparations having diuretic laxative tonic and sedative properties. Pierce's Proprietaries, Inc. 431,031; July 1; Serial No. 505,005; published Mar. 18, 1947.
Preparations indicated as a tonic. Pierce's Proprietaries, Inc. 431,030; July 1; Serial No. 505,004; published Mar. 18, 1947.
Prescription vehicle. William R. Warner & Co., Inc. 430,914; July 1; Serial No. 491,375; published Apr. 8, 1947.
Protein hydrolysate. B. M. Burns. 431,037; July 1; Serial No. 505,096; published Apr. 1, 1947.
Remedy for asthma. Kenimer Company. 431,054; July 1; Serial No. 505,961; published Apr. 8, 1947.
Repellent, and insecticide, Insect. H. Shapiro. 430,946; July 1; Serial No. 497,973; published June 18, 1946.
Resins for general use in the treatment of textiles, Synthetic. Monsanto Chemical Company. 430,923; July 1; Serial No. 494,348; published Mar. 25, 1947.
Salts, bath oils, hand lotion, etc., Bath. Primrose House, Inc. 430,902; July 1; Serial No. 488,548; published Sept. 3, 1946.
Salve for sores, eruptions of the skin and especially piles. Hoxworth and Hoxworth. 430,890; July 1; Serial No. 480,769; published Apr. 8, 1947.
Shampoo. Bristol-Myers Company. 431,019; July 1; Serial No. 504,250; published Mar. 18, 1947.
Shampoo. Procter & Gamble Company. 430,986; July 1; Serial No. 501,530; published Mar. 25, 1947.
Shampoo and cosmetic cream. Procter & Gamble Company. 430,987; July 1; Serial No. 501,531; published Dec. 17, 1946.
Shampoo, hair dressing, hair oil, etc., Hair. William A. Webster Co. 431,007; July 1; Serial No. 503,027; published Mar. 18, 1947.
Skin and hair conditioner for dogs and other animals. Lehman Bros. 431,073; July 1.
Skin protecting compound. Philom Company. 430,897; July 1; Serial No. 486,383; published Apr. 8, 1947.
Solution for treatment of athlete's foot. T. T. Greil. 431,044; July 1; Serial No. 505,410; published Mar. 18, 1947.
Solvent particularly adapted for cleaning and preventing rust, etc. Richmond Chemical Company, Inc. 430,804; July 1; Serial No. 484,591; published Apr. 1, 1947.
Solvents in the nature of chemical solvents. F. J. Schaefer. 430,965; July 1; Serial No. 499,858; published Mar. 25, 1947.
Starch, Liquid laundry. Gilcor Manufacturing Company, Inc. 430,945; July 1; Serial No. 497,789; published Oct. 8, 1946.
Thiosulphate of gold and sodium. Les Etablissements Poulenc Freres. 220,540; renewed Nov. 9, 1946. O. G. July 1.
Toiletries and cosmetics. Weleda, Inc. 430,886; July 1; Serial No. 478,727; published Apr. 8, 1947.
Toiletries, Men's. W. S. Sosin. 430,918; July 1; Serial No. 493,405; published Apr. 15, 1947.
Tonic, Hair. Pharma-Craft Corporation. 431,045; July 1; Serial No. 505,442; published Mar. 18, 1947.
Tooth powder. Phillips Pharmaceutical Products, Inc. 431,028; July 1; Serial No. 504,631; published Apr. 1, 1947.
Vermifuges. Sydney Ross Co. 431,035; July 1; Serial No. 505,082; published Mar. 18, 1947.
Vitamin concentrates. E. McCoy & Sons. 431,075; July 1.
Vitamin preparation. P. J. Gundlach. 430,885; July 1; Serial No. 478,386; published Apr. 1, 1947.
Vitamin preparation, Multiple. Abbott Laboratories. 430,983; July 1; Serial No. 501,298; published Mar. 25, 1947.
Witch hazel, rubbing alcohol compound, medicinal mineral oil, etc. Boston Drug & Chemical Co. 431,027; July 1; Serial No. 504,601; published Apr. 1, 1947.

CLASS 8

Pipes, cigar and cigarette holders, Smokers'. Reiss-Premier Corporation. 431,070; July 1.

CLASS 11

Ink, Writing. Luther Ford & Company. 222,921; renewed Jan. 11, 1947. O. G. July 1.
Inks, Marking and stenciling. Binney & Smith Company. 226,725; renewed Apr. 12, 1947. O. G. July 1.

CLASS 12

Concrete steel bars, Deformed. Horace T. Potts & Co. 215,248; renewed July 13, 1946. O. G. July 1.
Material for treating and coloring cement surfaces by chemical reaction. Master Builders Company. 226,273; renewed Apr. 5, 1947. O. G. July 1.

CLASS 14

Castings made from malleableized cast iron. Ohio Brass Company. 222,036; renewed Dec. 21, 1946. O. G. July 1.

CLASS 15

Gun-grease. Winchester Repeating Arms Co. 59,080; re-renewed Jan. 1, 1947. O. G. July 1.

CLASS 16

Paints, paint enamels, varnish, etc., Ready-mixed. Con Ferro Paint & Varnish Co. 226,942; renewed Apr. 26, 1947. O. G. July 1.
Paints, paint enamels, varnishes, etc., Dry, ready-mixed, and paste. Lehman Bros., Inc. 217,007; renewed Aug. 24, 1946. O. G. July 1.
Paints, varnishes, and paint enamels, Ready-mixed. Vernis Claessens S. A. Anct. Claessens Fréres & Co. 195,526–7; renewed Feb. 24, 1945. O. G. July 1.
Polish, Furniture. H. F. Fonvielle. 431,064; July 1.
Waxing preparation, Combination liquid. A. A. Banks. 431,071; July 1.

CLASS 17

Cigars. A. Santaella & Co. Inc. 218,046; renewed Sept. 21, 1946. O. G. July 1.

CLASS 21

Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 430,938; July 1; Serial No. 496,317; published Apr. 8, 1947.

CLASS 22

Game, Board. Game Creations, Inc. 431,062; July 1; Serial No. 516,125; published Apr. 15, 1947.
Game, Electrical questionnaire. Normilart Corporation. 431,068; July 1.
Hobby horses, rocking horses, and playground equipment, Spring. M. Gordon. 430,913; July 1; Serial No. 491,321; published Apr. 15, 1947.
Playground equipment. S. Beychok. 430,908; July 1; Serial No. 490,098; published Apr. 15, 1947.
Toy coaster wagons. Sav-Way Industries. 430,915; July 1; Serial No. 493,148; published Apr. 15, 1947.
Toy portable swings and parts thereof, Babies' and children's. C. W. Vassar. 430,941; July 1; Serial No. 496,741; published Apr. 15, 1947.

CLASS 23

Axes, hatches, hammers, etc. Kelly Axe & Tool Co. 222,307; renewed Dec. 28, 1946. O. G. July 1.
Filters and cartridges therefor. Fram Corporation. 431,066; July 1.

CLASS 24

Power-operated clothes-washing machines. Nineteen Hundred Washer Company. 226,129; renewed Mar. 29, 1947. O. G. July 1.
Washing machines and parts thereof, Clothes. Helpy Selfy Service System, Inc. 430,994; July 1; Serial No. 502,215; published Apr. 8, 1947.
Washing-machines and wringers. Nineteen Hundred Washer Co. 61,501; re-renewed Mar. 26, 1947. O. G. July 1.

CLASS 26

Dioramic models used as a scientific guide for color selections. General Exhibits & Displays, Inc. 430,963; July 1; Serial No. 499,619; published Apr. 15, 1947.
Electrical apparatus for detecting the presence of metal particles. Magnaflux Corporation. 431,000; July 1; Serial No. 502,445; published Apr. 15, 1947.
Eyeglasses, optical lenses, spectacle frames, etc. House of Vision-Beigard-Spero Inc. 430,936–7; July 1; Serial Nos. 496,080–1; published Feb. 4, 1947.
Feeders for continuously and automatically feeding powdered or granular material into a mass of material to become a part thereof. Omega Machine Co. 430,892; July 1; Serial No. 483,079; published Apr. 15, 1947.
Film, Combined sound and picture. A. Pervy. 431,026; July 1; Serial No. 504,452; published Apr. 15, 1947.
Gauges, Liquid level. Diamond Power Specialty Corporation. 431,058; July 1; Serial No. 507,893; published Apr. 15, 1947.
Lens frames and mountings therefor, Ophthalmic. Continental Optical Company, Inc. 431,016; July 1; Serial No. 504,158; published Apr. 15, 1947.
Lenses, Photographic. Federal Manufacturing & Engineering Corp. 431,059; July 1; Serial No. 508,150; published Apr. 15, 1947.
Optical goods. American Spectacle Co., Inc. 431,057; July 1; Serial No. 506,571; published Apr. 15, 1947.
Scientific instruments. Tracerlab, Inc. 430,970; July 1; Serial No. 500,331; published Apr. 15, 1947.

CLASS 29

Brushes for painting, varnishing, or applying various liquids, etc. John L. Whiting-J. J. Adams Company. 213,645–9; renewed June 1, 1946. O. G. July 1.
Brushes for painting, varnishing, or applying various liquids, etc. John L. Whiting-J. J. Adams Company. 213,924; renewed June 8, 1946. O. G. July 1.
Brushes of all kinds. John L. Whiting & Son Co. 52,830–6; re-renewed May 22, 1946. O. G. July 1.
Brushes of all kinds. John L. Whiting & Son Co. 52,851–2; re-renewed May 22, 1946. O. G. July 1.
Brushes of all kinds. John L. Whiting & Son Co. 52,864–70; re-renewed May 22, 1946. O. G. July 1.
Brushes of all kinds. John L. Whiting & Son Co. 53,145; re-renewed May 29, 1946. O. G. July 1.

CLASS 31

Refrigerators and refrigerator parts. Leonard Refrigerator Company. 221,000; renewed Nov. 23, 1946. O. G. July 1.

CLASS 32

Armchairs, bedroom suites, bedsteads, etc., Barbers'. Thonet Brothers, Inc. 430,883; July 1; Serial No. 478,018; published Mar. 18, 1947.
Cabinet, Portable. Brenner-Bell, Inc. 430,942; July 1; Serial No. 497,365; published Mar. 25, 1947.
Cabinets and enclosures, kitchen cabinets, wall units, etc., Radiator. Metro Case Company. 430,921; July 1; Serial No. 494,227; published Mar. 18, 1947.
Cases of cabinet form, Transfer. Amberg File and Index Company. 430,911; July 1; Serial No. 490,618; published Mar. 18, 1947.
Chairs, dinette, dining etc., tables, divans, etc., Dining room, library, easy and rocking. Academy Award Products, Inc. 430,972; July 1; Serial No. 500,446; published Apr. 15, 1947.
Cushions, mattresses and mattress pads, etc. Dunlop Tire and Rubber Corporation. 430,909; July 1; Serial No. 490,365; published Mar. 25, 1947.
Dressers, bureaus, highboys, etc. Mengel Company. 431,008; July 1; Serial No. 503,211; published Apr. 15, 1947.
Furniture, Upholstered. Company of Master Craftsmen, Inc. 430,947; July 1; Serial No. 498,205; published Apr. 15, 1947.
Mattresses; box springs; sofa beds; etc. National Mattress Company. 430,919; July 1; Serial No. 493,449; published Apr. 15, 1947.
Mattresses, inner springs, studio couches and box springs. Brainerd Bedding Co. 430,984; July 1; Serial No. 501,360; published Mar. 25, 1947.
Mattresses, pillows, and cushions. Glasdown Corporation. 431,015; July 1; Serial No. 504,107; published Apr. 15, 1947.,
Mattresses, playards, cribs, etc. Plymouth Wholesale Dry Goods Corporation. 430,893; July 1; Serial No. 483,737; published Apr. 15, 1947.
Mattresses, studio couches, and box springs. A. Trossman. 430,985; July 1; Serial No. 501,423; published Mar. 25, 1947.
Racks. Philco Corporation. 430,881; July 1; Serial No. 473,120; published Apr. 8, 1947.
Seat and back rest. E. M. Nunes. 431,002; July 1; Serial No. 502,591; published Apr. 15, 1947.
Sofas and chairs, dining room tables, buffets and cabinets, etc., Upholstered. Globe Parlor Furniture Company. 430,917; July 1; Serial No. 493,266; published Mar. 18, 1947.
Venetian blinds. Abalone Manufacturing Company. 430,998; July 1; Serial No. 502,361; published Mar. 25, 1947.

CLASS 34

Stoves, Gas and oil. Detroit Vapor Stove Co. 227,097; renewed Apr. 26, 1947. O. G. July 1.

CLASS 35

Clutch facings and linings. Manhattan Rubber Mfg. Co. 222,899; renewed Jan. 11, 1947. O. G. July 1.
Packing and gaskets made therefrom, Sheet water and oil. E. B. Melrath. 213,324; renewed May 25, 1946. O. G. July 1.
Packings, Leather. E. F. Houghton & Co. 226,957; renewed Apr. 26, 1947. O. G. July 1.

CLASS 37

Binders, Loose leaf. R. C. Veit. 431,065; July 1.
Paper, Wrapping. California-Oregon Paper Mills. 214,176; renewed June 15, 1946. O. G. July 1.
Pens, Writing. Esterbrook Steel Pen Manufacturing Company. 224,613; renewed Mar. 1, 1947. O. G. July 1.
Stamps, certifying stamps, receipting stamps, etc., Date. Ajax Time Stamp Company. 223,422; renewed Feb. 1, 1947. O. G. July 1.
Tape, Gummed. Mid-States Gummed Paper Company. 227,050; renewed Apr. 26, 1947. O. G. July 1.

CLASS 38

Publication, Monthly. M. Freeman. 221,618; renewed Dec. 7, 1946. O. G. July 1.

CLASS 39

Aprons. Donnelly Garment Company. 215,552; renewed July 20, 1946. O. G. July 1.
Bloomers, drawers, slips, Women's, misses', and children's. N. Fluegelman & Co., Inc. 226,324; renewed Apr. 5, 1947. O. G. July 1.
Boots and shoes of leather, rubber, fabric, etc. Lane Brothers Co. 223,903; renewed Feb. 15, 1947. O. G. July 1.
Boots, shoes, and slippers. Scholl Mfg. Co. Inc. 225,761; renewed Mar. 22, 1947. O. G. July 1.
Hats and caps for men. Crofut & Knapp Co. 226,696; renewed Apr. 19, 1947. O. G. July 1.
Hosiery. Ely & Walker Dry Goods Company. 220,589; renewed Nov. 9, 1946. O. G. July 1.
Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 225,684; renewed Mar. 22, 1947. O. G. July 1.
Underwear, Ladies' cotton knit. Spring City Knitting Company. 227,368; renewed May 3, 1947. O. G. July 1.
Wearing apparel. B. Altman & Co. 226,701; renewed Apr. 19, 1947. O. G. July 1.

CLASS 40

Hair rolls. Sitroux, Inc. 431,072; July 1.

CLASS 42

Cotton suiting in the piece. Ely & Walker Dry Goods Company. 220,575; renewed Nov. 9, 1946. O. G. July 1.
Fabric rugs. Waite Carpet Co. 221,062; renewed Nov. 23, 1946. O. G. July 1.
Fabrics made of nylon, rayon, cotton, etc. H. Ernstberger. 431,076; July 1.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 225,932; renewed Mar. 29, 1947. O. G. July 1.
Arch supports and similar foot corrective appliances. Scholl Mfg. Co. Inc. 225,272; renewed Mar. 15, 1947. O. G. July 1.
Nail files. C. J. Bates & Son. 226,982; renewed Apr. 26, 1947. O. G. July 1.
Surgical dressings and sanitary napkins. Kendall Mills, Inc. 224,096; renewed Feb. 15, 1947. O. G. July 1.

CLASS 45

Soft drink and bottled imitation grape concentrate flavoring extract therefor, Bottled imitation grape flavor. Merwyn Concentrates, Inc. 431,060; July 1; Serial No. 510,099; published Apr. 8, 1947.

CLASS 46

Candy. E. J. Brach & Sons. 224,991; renewed Mar. 8, 1947. O. G. July 1.
Candy and chewing gum. Manufacturing Co. of America. 62,269; re-renewed Apr. 30, 1947. O. G. July 1.
Canned gefüllte fish. U. S. Conserve Co. 431,074; July 1.
Canned peas and corn. Keene-Belvidere Canning Company. 222,561; renewed Jan. 4, 1947. O. G. July 1.
Canned pimientos. Hills Brothers Company. 224,696; renewed Mar. 1, 1947. O. G. July 1.
Cheese. John S. Martin & Co. Inc. 223,947; renewed Feb. 15, 1947. O. G. July 1.
Cheese, Gruyère. Burki & Cie. 220,841; renewed Nov. 16, 1946. O. G. July 1.
Fruits, berries, vegetables, etc., Frozen fresh deciduous. Kelley-Clarke Company. 431,077; July 1.
Fruits, Tropical. United Fruit Company. 221,055; renewed Nov. 23, 1946. O. G. July 1.
Fudge. Golden Nugget Sweets. 226,824; renewed Apr. 19, 1947. O. G. July 1.
Meats, Cured, smoked, and canned. Cudahy Packing Company. 59,098; re-renewed Jan. 1, 1947. O. G. July 1.
Sirup, fruit preserves, jelly, etc., Table. Oelerich & Berry Company. 223,424; renewed Feb. 1, 1947. O. G. July 1.

CLASS 47

Wine, especially wine of the champagne type. Hijos de Pablo Esparza Bodegas Navarras S. A. 430,907; July 1; Serial No. 489,803; published Apr. 8, 1947.

CLASS 49

Anisette, Special. N. G. Gomez. 430,880; July 1; Serial No. 471,118; published Apr. 15, 1947.
Brandy. Western United Distributors. 430,949–50; July 1; Serial Nos. 498,557–8; published Apr. 15, 1947.
Gin, anisette, whiskey, etc., Dry. J. J. Del Collado. 430,891; July 1; Serial No. 481,885; published Apr. 15, 1947.

CLASS 50

Adhesively-integrated fibrous material. Respro, Inc. 226,936; renewed Apr. 26, 1947. O. G. July 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lavoie, Stephen D., Little Silver, assignor to Manufacturers Electronic Developments, Inc., Morganville, N. J. Wave meter. Re. 22,894; July 1.

Manufacturers Electronic Developments, Inc.: *See*—
Lavoie, Stephen D.

LIST OF PLANT PATENTEES

MacKelvie, Arthur D., assignee: *See*—
Moritz, Arthur.
Moritz, Arthur, assignor to A. D. MacKelvie, Zillah, Wash. Pear tree. 741; July 1.
Premier Rose Gardens, Consolidated, The, assignee: *See*—
Wiltgen, Joseph E.
Wiltgen, Joseph E., Park Ridge, assignor to The Premier Rose Gardens, Consolidated, Des Plaines, Ill. Rose plant. 740; July 1.

LIST OF DESIGN PATENTEES

Barlett, John E., Los Angeles, Calif. Watch support. 147,002; July 1.
Beckwith Manufacturing Company, assignee: *See*—
Howard, Edwin A.
Byrne, Francis D.: *See*—
Rosenberg, Joseph, and Byrne.
Chaplain, Urleene, Los Angeles, Calif. Shoe or similar article. 147,003; July 1.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 147,004; July 1.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 147,005; July 1.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Cosme, Peter A., assignor to Sears, Roebuck and Co., Chicago, Ill. Playground apparatus. 147,006; July 1.
Crane Co., assignee: *See*—
Skewis, William H.
Ellmore Silver Co., Inc., The, assignee: *See*—
Moran, William F.
Gillespie Engineering Company, assignee: *See*—
Gillespie, Victor H., and Mokszycki.
Gillespie, Victor H., Handley, and P. E. Mokszycki, Fort Worth, assignors to Gillespie Engineering Company, Handley, Tex. Clothespin. 147,007; July 1.
Graham, Elizabeth N., New York, N. Y. Handbag. 147,008; July 1.
Greger, George G., Detroit, Mich. Make-up tray. 147,009; July 1.
Howard, Edwin A., Hingham, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoe protector. 147,010; July 1.
Howard, Edwin A., Hingham, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Shoe protector. 147,011; July 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,012; July 1.
Lathrop, Alyce, Pleasant Valley, N. J. Slack suit. 147,013; July 1.
Libbey-Owens-Ford Glass Company, assignee: *See*—
Sherwin, Ralph J.
Lowenstein, Malcolm W., assignor of one-half to S. Silberstein, Baltimore, Md. Bottle. 147,014; July 1.
Lutz, William, New York, N. Y. Bracelet. 147,015; July 1.
Meyercord Co., The, assignee: *See*—
Westrate, Ada.
Mokszycki, Pete E.: *See*—
Gillespie, Victor H., and Mokszycki.
Moran, William F., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or other article of flatware. 147,016; July 1.
Roselle, Richard D., assignor to Transcontinental & Western Air, Inc., Kansas City, Mo. Timetable. 147,017; July 1.
Rosenberg, Joseph, New York, N. Y., and F. D. Byrne, West Orange, N. J. Bracelet or similar article. 147,018; July 1.
Rosenbloom, Irving, New York, N. Y. Toy breakfront or similar article. 147,019; July 1.
Rost, Katheryn, New York, N. Y. Dress. 147,020; July 1.
Ruchman, Samuel, New York, N. Y. Dress. 147,021; July 1.
Ruchman, Samuel, New York, N. Y. Dress. 147,022; July 1.
Ruchman, Samuel, New York, N. Y. Dress. 147,023; July 1.
Sears, Roebuck and Co., assignee: *See*—
Cosme, Peter A.
Shepard, Ernest L., Fairfield, Maine. Packing for fragile articles. 147,025; July 1.
Sherwin, Ralph J., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Lavatory. 147,024; July 1.
Silberstein, Samuel, assignee: *See*—
Lowenstein, Malcolm W.
Skewis, William H., assignor to Crane Co., Chicago, Ill. Piping template. 147,026; July 1.
Stevens, William H., Jr., Des Moines, Iowa. Bottle cap. 147,027; July 1.
Transcontinental & Western Air, Inc., assignee: *See*—
Roselle, Richard D.
Waldrop, Jefferson P., Arlington, Va. Bottle case. 147,028; July 1.
Weeber, Marion, New York, N. Y. Button or similar article. 147,029; July 1.
Weeber, Marion, New York, N. Y. Button or similar article. 147,030; July 1.
Weeber, Marion, New York, N. Y. Button or similar article. 147,031; July 1.
Westrate, Ada, assignor to The Meyercord Co., Chicago, Ill. Wallpaper border or similar article. 147,032; July 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A G E V Aktiengesellschaft für Erfindungsverwertung, assignee: *See*—
Esnault-Pelterie, Robert.

A.-G. Für Mechanisch-Optische Erfindugen, assignee: *See*—
Butscher, Karl.

Acme Shoulder Pad Co. Inc., assignee: *See*—
Barritz, Albert.

Adams, Leon M.: *See*—
Gerhart, Howard L., and Adams.

Adel Precision Products Corp., assignee: *See*—
Berry, Reni S.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Filachione, Edward M., and Fisher.

Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Van Nuys, Claude C.

Allen-Bradley Company, assignee: *See*—
Clogau, Manfred L.

Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welded blade structure. 2,423,165; July 1.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Allen, Robert C.

Allport, Harry B.: *See*—
Waite, Virgil H., and Allport.

American Cyanamid Company, assignee: *See*—
Goehler, Michael, Reimer, and Davis.
Herkenhoff, Earl C.
Pollard, John D.
Thurston, Jack T.

American Optical Company, assignee: *See*—
Tillyer, Edgar D.

American Pattern and Manufacturing Co., assignee: *See*—
Miller, Raymond J.

American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Boak, Willis E.
Westhaver, Loren J., and Sienker.

Anderson, Alva E., Spring Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic generator. 2,423,078; July 1.

Anemostat Corporation of America, assignee: *See*—
Kurth, Franz J., Honerkamp, and Kunen.

Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Polycyclic diketopyrimidines. 2,423,218; July 1.

Anish, Alfred W., Johnson, and L. C. Hensley, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing sensitizing dyes. 2,423,217; July 1.

Anthony Development Company, assignee: *See*—
Johnson, Vernon R., and Wachter.

Arenson, Emmett, Kansas City, Mo. Dispensing device. 2,423,166; July 1.

Armour and Company, assignee: *See*—
Harwood, James, and Binkerd.
Keil, Havard L.

Armstrong, Octavia E., Salinas, Calif. Fender device for heated pots. 2,423,219; July 1.

Arpin, John W., Verona, N. J. Water pistol. 2,423,220; July 1.

Arrow-Hart & Hegeman Electric Co., The, assignee: *See*—
Johnson, David W.

Ashley, John W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel seat fitting machine. 2,423,136; July 1.

Aspelin, Leslie L., assignor to Romec Pump Company, Elyria, Ohio. Relief valve. 2,423,281; July 1.

Attorney General of the United States: *See*—
Klinghoffer, Stefan.
Quebatte, Arthur, and Siegnol.

Aubey, Gerard H., Venice, Calif. Universal mounting attachment for cameras. 2,423,282; July 1.

Aune, Lawrence, Clitherall, Minn. Scaffold. 2,423,167; July 1.

Austin, Harold T., Seattle, Wash. Amusement device. 2,423,283; July 1.

Autoyre Company, The, assignee: *See*—
Ryan, Lester R.

Babbini, Francisco E., Lima, Peru. Insecticides. 2,423,284; July 1.

Badmaieff, Alexis, Los Angeles, Calif., assignor to Radio Corporation of America. Frequency modulation feedback circuits for sound recording galvanometers. 2,423,285; July 1.

Baldwin Locomotive Works, The, assignee: *See*—
Sonntag, Alfred.

Banker, John R., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Feed-back circuits. 2,423,362; July 1.

Barnes, James H., Dayton, Ohio. Profile generating mechanism. 2,423,286; July 1.

Barr & Stroud, Limited, assignee: *See*—
Strang, John M.

Barritz, Albert, Kew Gardens, assignor to Acme Shoulder Pad Co. Inc., New York, N. Y. Shoulder pad. 2,423,168; July 1.

Batchelder, Howard R.: *See*—
Hall, Edwin L., and Batchelder.

Beach, Glenn P., Oakland, Calif. Cleaning and preserving composition. 2,423,137; July 1.

Behrendt, John G., and L. C. Ruthy, Chicago, Ill. Bowl type oil burner. 2,423,079; July 1.

Beisel, Eugene L., Chicago, Ill. Method and article for deflecting material. 2,423,287; July 1.

Belaieff, James F.: *See*—
Churchill, John A., Belaieff, and Delaney.

Belcher, Daniel, Minneapolis, Minn., and F. R. Linda, Washington, D. C., assignors to Bemis Bro. Bag Co., Minneapolis, Minn. Bag closing machine. 2,423,080; July 1.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Alva E.
Frosch, Carl J.
Potter, James A.
Retallack, Bohn B.
Teal, Gordon K.
Tyrrell, Warren A.

Bellg, Charles M., Toledo, Ohio. Braiding machine. 2,423,288; July 1.

Bellg, Charles M., Toledo, Ohio. Wire wrapping machine. 2,423,289; July 1.

Bemis Bro. Bag Co., assignee: *See*—
Belcher, Daniel, and Linda.

Bennett, Joseph O., Mount Vernon, Ill. Finger board. 2,423,169; July 1.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Can opener stop element. 2,423,221; July 1.

Berry, Reni S., Los Angeles, Calif., assignor to Adel Precision Products Corp. Conduit supporting clip. 2,423,222; July 1.

Binkerd, Evan F.: *See*—
Harwood, James, and Binkerd.

Biro Manufacturing Company, The, assignee: *See*—
Biro, Vincent G.

Biro, Vincent G., Ottawa County, assignor to The Biro Manufacturing Company, Marblehead, Ohio. Cleaning unit for power meat cutters. 2,423,363; July 1.

Black, Lloyd V.: *See*—
Minton, Gerald Z., and Black.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to the Petrolite Corporation, Ltd., Wilmington, Del. Amino-ester compounds. 2,423,365; July 1.

Blair, Charles M., Jr., Webster Groves, and D. M. Schulz, St. Louis, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,423,364; July 1.

Blair, Lillian S., Memphis, Tenn. Costume. 2,423,170; July 1.

Bloch, Godfrey, New York, N. Y. Textile fabric and producing same. 2,423,366; July 1.

Boak, Willis E., Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey. Coated nail. 2,423,171; July 1.

Bokovoy, Samuel A., Verona, and K. K. Garrison, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Crystal holder assembly. 2,423,081; July 1.

Bolender, Augustus B., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Indexing universal grinding machine. 2,423,367; July 1.

Bonwitt, Wilhelm F., Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc. Aluminum conducting surface treatment. 2,423,290; July 1.

Booth, George M., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Backwashing means for filtering apparatus by reverse flow of filtrate. 2,423,172; July 1.

Borg-Warner Corporation, assignee: *See*—
Bolender, Augustus B.
Hubacker, Earl F.
Lauck, John A.

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Treatment of organic thiocyanates. 2,423,291; July 1.

Brady, Edward L., and L. E. Glendenin, Oak Ridge, Tenn., assignors to United States of America, as represented by the Director of the Office of Scientific Research and Development, Office for Emergency Management. Safety pipette. 2,423,173; July 1.

British Celanese Limited, assignee: *See*—
Moncrieff, Robert W., and Young.

Brown, Charles H., Arkansas City, Kans. Mop or broom rack. 2,423,292; July 1.

Brown, Fred P., Braintree, Mass., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Fish heading machine. 2,423,174; July 1.

Brumbaugh, John M., Lansdowne, Pa., assignor to Radio Corporation of America. Voltage regulator. 2,423,368; July 1.

Brunner, Francis R., Los Angeles, Calif. Garment hanger. 2,423,369; July 1.

Bullard Company, The, assignee: *See*—
Bullard, Edward P., III, and Mussler.

Bullard, Edward P., III, Fairfield, and F. H. Mussler, Stratford, Conn., assignors to The Bullard Company. Machine tool. 2,423,228; July 1.

Burndy Engineering Company, Inc., assignee: *See*—
Bonwitt, Wilhelm F.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Impulse radiation obstacle detector. 2,423,082; July 1.

Butscher, Karl, Bienne, assignor, by mesne assignments, to A.-G. Für Mechanisch-Optische Erfindugen, Chur, Switzerland. Image projecting comparison microscope. 2,423,370; July 1.

C. U. R. A. Patents Limited, assignee: *See*—
Hales, John S., Murphy, and MacDonald.

Card, Ralph H., Hamburg Township, Livingston County, Mich., assignor to Fram Corporation. Filter cartridge package. 2,423,224; July 1.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Fasold, George A., and Leibrook.

Carranza, Edouardo, Dunellen, N. J. Polartoscope. 2,423,371; July 1.

Castner Patents, Inc., assignee: *See*—
Roters, Herbert C.

Cernuda, Canuto I., Santurce, Puerto Rico. Safety delivery receptacle. 2,423,372; July 1.

Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Fuel injector pump mechanism. 2,423,373; July 1.

Chaney, Newcomb K., Moylan, Pa., assignor to The United Gas Improvement Comany. Producing aromatics and diolefins from petroleum. 2,423,374; July 1.

Chaney, Newcomb K., Moylan, Pa., and E. L. Hall, Manchester, N. H., assignors to The United Gas Improvement Company. Production of dienes, resin-forming aromatic hydrocarbons and nonresin-forming aromatic hydrocarbons. 2,423,375; July 1.

Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Frequency shift telegraph receiver tuning indicator. 2,423,225; July 1.

Chemical Foundation, Incorporated, The, assignee, trustee: *See*—
Hixson, Arthur W., and Miller.

Churchill, John A., Luton, and J. F. Belaieff and C. T. Delaney, Cricklewood, London, England. Heat exchange apparatus. 2,423,175; July 1.

Ciell, August C., Philadelphia, Pa. Making abrasive wheels. 2,423,293; July 1.

Cincinnati Manufacturing Company, The, ass'gnee: *See*—
Milnor, Leland T.

Clark Thread Company, The, assignee: *See*—
Crompton, Benjamin.

Coe, Clarence S.: *See*—
Doumani, Thomas F., and Coe.

Cole, Harry, Andover, and E. L. Kezertee, Conneaut, Ohio. Clothesline reel. 2,423,226; July 1.

Cole Industries, Inc., assignee: *See*—
Cole, Thomas M.

Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of aromatic hydrocarbons. 2,423,176; July 1.

Cole, Thomas M., New York, assignor to Cole Industries, Inc., Long Island City, N. Y. Combined fuse and electric switch. 2,423,227; July 1.

Colesworthy, Edward H., Atlanta, Ga. Flexible waterproof material and its production. 2,423,294; July 1.

Conklin, James W., Indianapolis, Ind., assignor to Radio Corporation of America. Electric motor control system. 2,423,228; July 1.

Conmar Products Corporation, assignee: *See*—
Ulrich, Frederick, and Scheuermann.

Conn, C. G., Ltd., assignee: *See*—
Long, Thomas H.

Corson, G. & W. H., Inc., assignee: *See*—
Minnick, Leonard J.

Crabbe, Lindsay T., Chicago, Ill., and D. C. Lathrop, Los Angeles, Calif., assignors to Phoenix Metal Cap Company, Chicago, Ill. Closure cap for bottles, jars, and the like. 2,423,295; July 1.

Craig Bit Company, Limited, The, assignee: *See*—
Craig, Robert.

Craig, Robert, assignor to The Craig Bit Company, Limited, North Bay, Ontario, Canada. Lathe for turning drill shanks. 2,423,376; July 1.

Crawford, Thomas D., Wichita Falls, Tex. Screw driver. 2,423,296; July 1.

Creamer, Harry H., Minneapolis, Minn. Luggage carrier. 2,423,297; July 1.

Crepeau, Daniel H.: *See*—
Schott, Donald E., and Crepeau.

Crompton, Benjamin, Pawtucket, R. I., assignor to The Clark Thread Company. Method and apparatus for making zipper tape. 2,423,298; July 1.

Crosby, Melvin A., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Wire covered belt. 2,423,138; July 1.

Crosby, Murray G., Riverhead, assignor to Press Wireless, Inc., New York, N. Y. Automatic tuning control and indication for frequency shift systems. 2,423,229; July 1.

Cunliffe, Wilfred, Stamford, Conn., assignor, by mesne assignments, to Schick Incorporated. Making shear plates for electric shavers. 2,423,177; July 1.

Curtis, Helene, Industries, Inc., assignee: *See*—
Nemeth, Otto R.

Dalrymple, Howard S.: *See*—
Potts, Walter J., and Dalrymple.

Daly, Le Grand, Birmingham, Mich. Making helmets. 2,423,076; July 1.

Daubaras, Edward, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Loop antenna system. 2,423,083; July 1.

Davies, Ray L.: *See*—
Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Davis, Elmer M., St. Paul, Minn., assignor to Industrial Patents Corporation, Chicago, Ill. Process and apparatus for treating poultry. 2,423,299; July 1.

Davis, Eugene F.: *See*—
Goehler, Michael, Reimer, and Davis.

Dayton Rubber Manufacturing Company, The, assignee: *See*—
Crosby, Melvin A.

De Atley, Wilbur W.: *See*—
Harris, Charles R., and De Atley.

Deere & Company, assignee: *See*—
Johnson, Theodore W.
Korum, Henry E.

Deering, Roland F.: *See*—
Doumani, Thomas F., Deery, and McKinnis.

Deery, Roland: *See*—
Doumani, Thomas F., Deery, and McKinnis.

Delaney, Cyril T.: *See*—
Churchill, John A., Belaieff, and Delaney.

Delmonte, John, Glendale, assignor of one-tenth to E. F. Lougee and sixty-five one hundredths to R. Hamphill, Los Angeles, Calif. Chlorinated furane resin. 2,423,139; July 1.

Den Hertog, Martinus, Antwerp, Belgium, and E. P. G. Wright, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Telecommunication system employing voice frequency current for selective signaling. 2,423,084; July 1.

De Rosa, Louis A., West Brighton, Staten Island, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Delay device. 2,423,085; July 1.

Devaux, Lucien, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Synchronizing device. 2,423,086; July 1.

De Vriendt, Charles, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Impulse signal transmission system. 2,423,087; July 1.

De Vriendt, Charles, and C. De Zeeuw, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical signaling system with remote control. 2,423,077; July 1.

De Zeeuw, Constant: *See*—
De Vriendt, Charles, and De Zeeuw.

Diaphragm & Chemical Company, assignee: *See*—
Waterbury, Carl C.

Dodge, Adiel Y., Rockford, Ill. One-way clutch and bearing. 2,423,178; July 1.

Doumani, Thomas F., R. Deery, and A. C. McKinnis, Long Beach; said R. Deery, now by judicial change of name to R. F. Deering, assignors to Union Oil Company of California, Los Angeles, Calif. Recovery of dienes by polymerization and depolymerization. 2,423,179; July 1.

Doumani, Thomas F., Los Angeles, and C. S. Coe, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Reduction of nitronaphthenes. 2,423,180; July 1.

Draper Corporation, assignee: *See*—
Tifft, Emerson B.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Banker, John R.

Dunn, Roland H.: *See*—
McWhirter, Eric M. S., Wolson, Dunn, and Shepard.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Fields, Reuben T.
Harris, Charles R., and De Atley.
Howk, Benjamin W.
Rigby, George W.
Wiley, Richard H.

Earley, Norman B.: *See*—
Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Earley, Samuel C. and N. B., E. J. Sanders, W. C. Skareen, R. L. Davies, and J. A. Hughes, Toledo, Ohio, assignors, by mesne assignments, to Evans Products Company, Detroit, Mich. Cooling system, thermostat control. 2,423,140; July 1.

Earp, Charles W., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Distance measuring system. 2,423,088; July 1.

Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making a water dispersible coating vehicle. 2,423,230; July 1.

Emery, Melvin R., Kansas City, Kans., assignor to Phillips Petroleum Company. Gas engine safety cap. 2,423,181; July 1.

Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to A G E V Aktiengesellschaft für Erfindungsverwertung, of Vaduz, Liechtenstein (Principedom of Liechtenstein). Refractory cements and their preparation. 2,423,231; July 1.

Evans Products Company, assignee: *See*—
Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

Faehndrich, William, New York, N. Y. Manufacture of cheese. 2,423,300; July 1.

Fairchild, William R., Seminary, Miss. Portable pile driver. 2,423,301; July 1.

Fairey Aviation Company Limited, The, assignee: *See*—
Forsythe, Archibald G.

Fasold, George A., Mount Healthy, and W. V. Leibrook, Hamilton, Ohio, assignors to the Philip Carey Manufacturing Company. Lap joint prepared roofing. 2,423,302; July 1.

Federal Telephone and Radio Corporation, assignee: *See*—
Bokovoy, Samuel A., and Garrison.
Daubaras, Edward.
De Rosa, Louis A.
Fiore, William, and Kotterman.

Feitl, Rudolf, Brooklyn, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Punch and die mechanism. 2,423,423; July 1.

Ferguson, Bassett, Jr., Media, Pa., assignor to The United Gas Improvement Company. Determination of diolefine material in a gaseous mixture. 2,423,377; July 1.

Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Gun sight. 2,423,141; July 1.

Ferrel Industries, Inc., assignee: *See*—
Ferrel, Clyde B.

Fields, Reuben T., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cold drawing tapered filaments. 2,423,182; July 1.

Fienhold, Harry J., Pontiac, Ill. Windrower attachment. 2,423,303; July 1.

Filachione, Edward M., Philadelphia, and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Manufacture of phenyl and substituted phenyl acrylated and their polymers. 2,423,089; July 1.

Filtrol Corporation, assignee: *See*—
Gary, Wright W.

Fink, Rudolph, and G. V. Holloman, Fairfield, and C. L. Paulus, Dayton, Ohio. Controllable gliding attachment for bombs. 2,423,090; July 1.

Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.

Fiore, William, Brooklyn, N. Y., and C. A. Kotterman, Livingston, N. J., assignors to Federal Telephone and Radio Corporation. Contact rectifiers. 2,423,091; July 1.

Fischer & Porter Company, assignee: *See*—
Pfleghar, George W.

Fisher, Charles H.: *See*—
Filachione, Edward M., and Fisher.

Fitch, William A., Schenectady, N. Y., assignor to General Electric Company. Pulse producing system. 2,423,304; July 1.

Flanders, John S.: *See*—
Payn, Russell C., Jones, and Flanders.

Fletcher, Herbert, Slough, England. Radio navigational system. 2,423,305; July 1.

Fogel, Jack L., assignor, by mesne assignments, to Manhattan Scalloping and Embroidery Works, Inc., New York, N. Y. Embroidering machine. 2,423,092; July 1.

Forbes, Gordon D., Sudbury, and H. Shapiro, Cambridge, Mass., assignors, by mesne assignments, to United States of America, as represented by the Secretary of War. Transmission line. 2,423,306; July 1.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Turbine type jet propulsion. 2,423,183; July 1.

Fram Corporation, assignee: *See*—
Card, Ralph H.

Frankhouser, Albert G., assignor to The H. G. Shook Company, Lima, Ohio. Snatch block. 2,423,142; July 1.

Fraser, Walter G., Jr., Prospect Park, and G. C. Taylor, Bala-Cynwyd, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam jet refrigeration apparatus. 2,423,307; July 1.

Freeman, Stephen E., Pittsburgh, Pa., and S. W. Gloyer, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Fractionation of tall oil. 2,423,232; July 1.

Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Net. 2,423,308; July 1.

Frosch, Carl J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ethylene glycol-isopropylene glycol-sebasic acid-aconitic acid polyester. 2,423,093; July 1.

Funk, Ernest M., Columbia, Mo. Preserving eggs for edible consumption. 2,423,233; July 1.

Galvin Manufacturing Corporation, assignee: *See*—
Mitchell, Donald H.

Gardner, Irvine C., Chevy Chase, Md. Manufacturing gages. 2,423,094; July 1.

Garrison, Kenton K.: *See*—
Bokovoy, Samuel A., and Garrison.

Gary, Wright W., assignor to Filtrol Corporation, Los Angeles, Calif. Producing catalytic clay pellets. 2,423,309; July 1.

Gaschnitz, Joseph A., Munson, Alberta, Canada. Heater for water-cooled engines. 2,423,378; July 1.

Geiser, Robert H., Waynesboro, Pa. Apparatus for feeding solution to water comprising receptacles having vertically adjustable chambers connected therewith. 2,423,379; July 1.

General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.
Anish, Alfred W., and Hensley.

General Electric Company, assignee: *See*—
Fitch, William A.
Holmes, Lowell L., Jr.
Lafferty, James M.
Short, Thomas T.
Watrobski, Raymond J.
Wood, Charles W.

General Electric Company, Limited, The, assignee: *See*—
Wren, Louis C.

General Foods Corporation, assignee: *See*—
Brown, Fred P.

General Motors Corporation, assignee: *See*—
Graham, Charles D.

Gerbino, Stephen R., East Paterson, and D. E. Whitney, Hawthorne, N. J. Toy airplane equipment. 2,423,380; July 1.

Gerhart, Howard L., and L. M. Adams, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Preparation of tetrahydrophthalic anhydrides. 2,423,234; July 1.

Gibson, Thomas F., Cleveland Heights, Ohio. Variable area wing. 2,423,095; July 1.

Gillette, Leslie A., Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of thiuram disulfides. 2,423,310; July 1.

Gilliver, Gilbert, assignor to Standard Telephones and Cables Limited, London, England. Electric welding apparatus. 2,423,096; July 1.

Glendenin, Lawrence E.: *See*—
Brady, Edward L., and Glendenin.

Glogau, Manfred L., Shorewood, assignor to Allen-Bradley Company, Milwaukee, Wis. Two-position switch. 2,423,381; July 1.

Gloyer, Stewart W.: *See*—
Freeman, Stephen E., and Gloyer.

Goehler, Michael, F. H. Reimer, and E. F. Davis, Appleton, Wis., assignors to American Cyanamid Company, New York, N. Y. Beater for disintegrating paper containing resin. 2,423,097; July 1.

Gohorel, Fernand P., Antony, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic switching system. 2,423,098; July 1.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.
Loweke, Erwin F.

Götte, Ernst: *See*—
Gündel, Wolfgang, and Götte.

Gottschalk, Emil, New York, N. Y. Manufacture of ornamented rubber articles. 2,423,143; July 1.

Grady, Stephen S., New York, N. Y. Electric switch. 2,423,099; July 1.

Graham, Charles D., assignor to General Motors Corporation, Dayton, Ohio. Control for air conditioning systems. 2,423,382; July 1.

Grant, Charles H., assignee, et al.: *See*—
Lawler, Frank P.

Greenland, Leonard S.: *See*—
Stokes, Philip H., Greenland, and Pugh.

Greer, Millard M., Carnegie, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating unit. 2,423,184; July 1.

Gregg, George W., South Bend, Ind., assignor to Shell Development Company, San Francisco, Calif. Emulsifiable hydrocarbon oils and emulsions thereof. 2,423,144; July 1.

Griffin, Daniel P., Butte, Mont. Guard rail for baby carriages. 2,423,311; July 1.

Gulf Oil Corporation, assignee: *See*—
Pellettere, Joseph A.

Gündel, Wolfgang, and E. Götte, Dessau, Germany, assignors by mesne assignments, to The Hydronapthen Corporation, Wilmington, Del. Manufacture of coated and impregnated materials. 2,423,185; July 1.

Gustin-Bacon Manufacturing Company, assignee: *See*—
Stephens, Joseph F.

H-P-M Development Corporation, assignee: *See*—
Summers, Otto M.

Hales, John S., Kingston-on-Thames, E. Murphy, London, and L. MacDonald, Ewell, assignors to C. U. R. A. Patents Limited, London, England. Open fireplace installation. 2,423,235; July 1.

Hall, Edwin L.: *See*—
Chaney, Newcomb K., and Hall.

Hall, Edwin L., Manchester, N. H., and H. R. Batchelder, Drexel Hill, Pa., assignors to The United Gas Improvement Company. Residual tar separated from tar-water emulsion. 2,423,424; July 1.

Halm, Herman J., Toledo, Ohio. Cap removing socket wrench. 2,423,145; July 1.

Hamberger, Henry A., Rochester, N. Y. Chuck adjusting device. 2,423,312; July 1.

Hamilton, Karl M., Chicago, Ill. Railroad car truck. 2,423,313; July 1.

Handley, John, assignor to Standard Telephones and Cables, Limited, London, W. C. 2, England. Electrostatic potential measuring instrument. 2,423,100; July 1.

Harris, Charles R., Lockport, and W. W. De Atley, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Co., Wilmington, Del. Conditioning a catalyst for the production of vinyl cyanide. 2,423,186; July 1.

Harwood, James, Western Springs, and E. F. Binkerd, assignors to Armour and Company, Chicago, Ill. Treating tall oil. 2,423,236; July 1.

Haslacher, Alfred B., New York, N. Y. Heat sealing. 2,423,237; July 1.

Haugh, Gordon A., assignor to Haugh's Products Limited, Toronto, Ontario, Canada. Bag making machine. 2,423,187; July 1.

Haugh's Products Limited, assignee: *See*—
Haugh, Gordon A.

Hemphill, Ralph, assignee, et al.: *See*—
Delmonte, John.

Hensley, Lee C.: *See*—
Anish, Alfred W., and Hensley.

Herbert, Stanley C., Nunhead, London, S. E. 15, England. Machine for filling and otherwise preparing envelopes for post. 2,423,146; July 1.

Herbst, Harry T., Baltimore, Md., assignor to Union Carbide and Carbon Corporation. Skelp edge welding. 2,423,188; July 1.

Hercules Powder Company, assignee: *See*—
Borglin, Joseph N.

Herkenhoff, Earl C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Agglomeration by sulfonated reagents in magnetic recovery of iron ores. 2,423,314; July 1.

Herman, John: *See*—
Scafe, Eugene T., and Herman.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Absorptive gas microwave measuring system. 2,423,383; July 1.

Hess, Dudley, Woodside, N. Y. Hatch cover. 2,423,384; July 1.

Hinckley-Myers Division of Kent-Moore Organization, Inc., assignee: *See*—
Holton, George E.

Hinman, Dorr J., Indianapolis, Ind., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for manufacturing inner tubes. 2,423,147; July 1.

Hixson, Arthur W., Leonia, N. J., and R. Miller, Woodside, Long Island, N. Y., assignors to The Chemical Foundation, Incorporated, as trustee. Pickling and recovering pickling agent. 2,423,385; July 1.

Hobson, H. M., Limited, assignee, et al.: *See*—
Stokes, Philip H., Greenland, and Pugh.

Hohl, John: *See*—
Wheaton, Jack M., and Hohl.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,423,315; July 1.

Holloman, George V.: *See*—
Fink, Rudolph, Holloman, and Paulus.

Holmes, Lowell L., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric timer. 2,423,316; July 1.

Holton, George E., assignor to Hinckley-Myers Division of Kent-Moore Organization, Inc., Jackson, Mich. Level measuring instrument. 2,423,317; July 1.

Honerkamp, Friedrich: *See*—
Kurth, Franz J., Honerkamp, and Kunen.

Honhart, Jack C., Detroit, Mich. Hammer type weld cleaning tool having attached bit removers. 2,423,189; July 1.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of gaseous hydrocarbon products free from volatile sulphur compounds. 2,423,238; July 1.

Housekeeper, Earl J., assignor to The Wooster Brass Company, Wooster, Ohio. Nozzle adapter. 2,423,239; July 1.

Howk, Benjamin W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl cyanide from acetylene and HCN. 2,423,318; July 1.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Two-temperature refrigerating system. 2,423,386; July 1.

Hughes, Joseph A.: *See*—
Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Hunt, Charles M., Fort Wayne, assignor of one-half to J. E. Quinlan, Monroeville, Ind. Lock joint for fishing rods. 2,423,319; July 1.

Hurley, Samuel C., Jr., Danville, Ill. Welder's helmet. 2,423,320; July 1.

Hurley, Samuel C., Jr., Danville, Ill. Photoelectrically controlled light polarizing element. 2,423,321; July 1.

Hurley, Samuel C., Jr., Danville, Ill. Vehicular light control device having polarizing elements. 2,423,322; July 1.

Hydraulic Control Engineering Company, assignee: *See*—
Stephens, William T.

Hydronapthene Corporation, assignee: *See*—
Gündel, Wolfgang, and Götte.

Immediata, Tony M.: *See*—
Moore, Maurice L., and Immediata.

Imperial Chemical Industries Limited, assignee: *See*—
Payn, Russell C., Jones, and Flanders.

Industrial Patents Corporation, assignee: *See*—
David, Elmer M.

Institute of Paper Chemistry, The, assignee: *See*—
Wells, Sidney.

International Mutoscope Corporation, assignee: *See*—
Pollack, Daniel.

International Standard Electric Corporation, assignee: *See*—
Busignies, Henri G.
Den Hertog, Martinus, and Wright.
Devaux, Lucien.
De Vriendt, Charles.
De Vriendt, Charles, and De Zeeuw.
Gohorel, Fernand P.
Koechlin, Renaud.
Labin, Emile.
Lehmann, Gerard J.
Pouliart, Willy.
Stewart, Claudius F., and Penet.
Theillaumas, Clement M.
Van Laethem, Frans.
Winkler, Gunnar.
Yule, William H. D.

Janette, John T., Kenilworth, assignor to Janette Manufacturing Company, Chicago, Ill. Variable-speed transmission. 2,423,323; July 1.

Janette Manufacturing Company, assignee: *See*—
Janette, John T.

Johnson, David W., New Britain, assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Push-pull switch. 2,423,387; July 1.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Quick demountable cultivator. 2,423,148; July 1.

Johnson, Vernon R., and L. W. Wachter, assignors to Anthony Development Company, Streator, Ill. Welder handle. 2,423,324; July 1.

Jones, Elwyn: *See*—
Payn, Russell C., Jones, and Flanders.

Jones, Jack J., Zillah, Wash. Rapid sack detaching device. 2,423,325; July 1.

Jones & Lamson Machine Company, assignee: *See*—
Lovely, John E.

Jones, Oscar V., Dallas, Tex. Pivoted jaw latch-grip pipe tongs. 2,423,326; July 1.

Jordan, Claude W., Paoli, Pa., assignor to The United Gas Improvement Company. Purifying styrene. 2,423,388; July 1.

Jordan, Claude W., Paoli, Pa., assignor to The United Gas Improvement Company. Purifying an aryl olefine having the styrene structure as a nucleus. 2,423,389; July 1.

Katz, Julius, Bronx, and F. P. Majoros, Brooklyn, assignors to Superba Manufacturing Co., Inc., New York, N. Y. Machine for the arrangement of seams. 2,423,101; July 1.

Keil, Havard L., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Rendering of fatty materials. 2,423,102; July 1.

Kellogg, M. W. Company, The, assignee: *See*—
Layng, Edwin T.

Kennedy, Harry B., Berkeley, Calif., assignor to The Linde Air Products Company. Electropneumatic control system. 2,423,190; July 1.

Kezertee, Emery L.: *See*—
Cole, Harry, and Kezertee.

Klinghoffer, Stefan, Paris, France; vested in the Attorney General of the United States. Retaining the radioactivity of liquids intended for injections. 2,423,240; July 1.

Koechlin, Renaud, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. System for measuring frequency deviations. 2,423,103; July 1.

Kopp, Jean, Berne, Switzerland. Control apparatus for variable pitch propeller adjusting devices. 2,423,191; July 1.

Korman, Nathaniel I.: *See*—
Sontheimer, Carl G., and Korman.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Reflectometer for transmission lines and waveguides. 2,423,390; July 1.

Korpi, Karl J.: *See*—
Stone, Charles M., and Korpi.

Korum, Henry E., East Moline, assignor to Deere & Company, Moline, Ill. Feed hopper. 2,423,192; July 1.

Kotterman, Chester A.: *See*—
Fiore, William, and Kotterman.

Kozloff, John B., Brooklyn, N. Y. Screen printing table. 2,423,391; July 1.

Krogh, Charlotte S., Compton, Calif. Baby tender. 2,423,392; July 1.

Kunen, Herbert K.: *See*—
Kurth, Franz J., Honerkamp, and Kunen.

Kurth, Franz J., F. Honerkamp, and H. K. Kunen, assignors to Anemostat Corporation of America, New York, N. Y. Air distributing duct, including damper means. 2,423,241; July 1.

Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Direction indicating apparatus. 2,423,104; July 1.

Lafferty, James M., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency oscillator of the cavity resonator type. 2,423,327; July 1.

Lambach, Fritz, Tenafly, N. J. Checking and controlling the operation of textile machines. 2,423,105; July 1.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel rest fitting machine. 2,423,149; July 1.

Lathrop, Donald C.: *See*—
Crabbe, Lindsay T., and Lathrop.

Lauck, John A., South Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Balanced valve assembly. 2,423,393; July 1.

Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif. Overhead shovel. 2,423,193; July 1.

Layng, Edwin T., assignor to The M. W. Kellogg Company, Jersey City, N. J. Cyclizing hydrocarbons. 2,423,328; July 1.

Le Clair, Camille C. S., London, England. Oil filtration. 2,423,329; July 1.

Lee, Leighton II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Device for measuring the ratio between two variables. 2,423,394; July 1.

Lehmann, Gerard J., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge tube amplifier. 2,423,106; July 1.

Leibrook, Walton V.: *See*—
Fasold, George A., and Leibrook.

Levine, Charles, Detroit, Mich. Making dentures. 2,423,330; July 1.

Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Opposed piston engine cylinder liner. 2,423,395; July 1.

Linda, Frank R.: *See*—
Belcher, Daniel, and Linda.

Linde Air Products Company, The, assignee: *See*—
Kennedy, Harry E.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Lobe switching antenna. 2,423,150; July 1.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Wave guide attenuator. 2,423,396; July 1.

Line Material Company, assignee: *See*—
Schultz, William O.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for measuring the dwell and frequency of electrical impulses. 2,423,194; July 1.

Longden, Eric, Greenside, Johannesburg, Transvaal, Union of South Africa. Clip for flexible tubes. 2,423,195; July 1.

Lorenz, Vincent C., assignor of one-fourth to C. W. Morse, Anaconda, Mont. Automatic sampling apparatus. 2,423,242; July 1.

Loumiet et Lavigne, Jean, Itabo, Cuba. Steam boiler regulating system. 2,423,397; July 1.

Loungee, E. F., assignee, et al.: *See*—
Delmonte, John.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Two-speed drive mechanism. 2,423,243; July 1.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Power-operated chuck. 2,423,244; July 1.

Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Hydraulic brake. 2,423,331; July 1.

Lundgren, Eric L., Braddock Heights, Md., assignor to Ox Fibre Brush Company, Inc. Apparatus for treating fibrous material. 2,423,425; July 1.

MacDonald, Lawrence: *See*—
Hales, John S., Murphy, and MacDonald.

MacKendrick, David B., New York, N. Y. Flexible electric heater and an apparatus and method for making the same. 2,423,196; July 1.

Magnetic Devices, Inc., assignee: *See*—
Price, Osborne I.

Magnus, Carl E. and L. L., Chicago, Ill. Method of and device for extracting hairs by using adhesive tape. 2,423,245; July 1.

Magnus, Louise L.: *See*—
Magnus, Carl E. and L. L.

Majoros, Frank P.: *See*—
Katz, Julius, and Majoros.

Manhattan Scalloping and Embroidery Works, Inc., assignee: *See*—
Fogel, Jack L.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making bearing bushing on molded blades. 2,423,246; July 1.

Martin-Hurst, William F. F., Sunbury-on-Thames, England. Thermostatic device for controlling for cooling purposes, the flow of fluids. 2,423,398; July 1.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Taylor, Maurice C.

Matson, Ivan M., Los Angeles, Calif. Bypass for luminous tube signs. 2,423,197; July 1.

Mayer, Albert A., Little Falls, N. J., assignor to J. F. Trommer, Inc., Brooklyn, N. Y. Shipping carton for bottles. 2,423,332; July 1.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube of the resonator type. 2,423,426; July 1.

McClure, Daniel R., Jr., Los Angeles, Calif. Mechanical toy. 2,423,198; July 1.

McDonald, William H., assignor to The Nurre Companies, Inc., Bloomington, Ind. Table construction. 2,423,247; July 1.

McGean Chemical Company, The, assignee: *See*—
Waite, Virgil H., and Allport.

McKinnis, Art C.: *See*—
Doumani, Thomas F., Deery, and McKinnis.

McWhirter, Eric M. S., H. Wolfson, R. H. Dunn, and S. C. Shepard, assignors to Standard Telephones and Cables Limited, London, England. Thermistor controlled relay circuits. 2,423,107; July 1.

Middler, Alexander J., Detroit, Mich. Front drive toy vehicle. 2,423,248; July 1.

Miller Engineering Corporation, assignee: *See*—
Miller, Raymond J.

Miller, Ira H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Cap feeding device. 2,423,333; July 1.

Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.

Miller, Raymond J., assignor to Miller Engineering Corporation, Detroit, Mich. Temperature control mold for casting. 2,423,151; July 1.

Miller, Raymond J., Detroit, Mich., assignor to American Pattern and Manufacturing Co. Guide roller assembly for motion-picture projectors. 2,423,334; July 1.

Milnor, Leland T., assignor to The Cincinnati Manufacturing Company, Cincinnati, Ohio. Sound deadening panel. 2,423,199; July 1.

Minnick, Leonard J., Cheltenham, assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa. Hydrated lime product and making the same. 2,423,335; July 1.

Minton, Gerald Z., and L. V. Black, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Glass supporting carriage. 2,423,249; July 1.

Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Rotary turret selector. 2,423,152; July 1.

Modrey, Henry J., London, England, assignor to Modrey Patents Corporation, Essex County, N. J. Electrical plug and socket spring contact or connector. 2,423,250; July 1.

Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.

Moncrieff, Robert W., and D. P. Young, Spondon, near Derby, assignors to British Celanese Limited, London, England. Manufacture of lactams. 2,423,200; July 1.

Monnet, Georges, New York, N. Y. Improving the ejection of masses. 2,423,109; July 1.

Moore, James H., Akron, Ohio. Work support. 2,423,201; July 1.

Moore, Maurice L., Detroit, Mich., and T. M. Immediata, Wilmington, Del., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. N^a-carboxyacyl-metanilamides. 2,423,108; July 1.

Morgenstern, David M., Cleveland, Ohio. Headlight adapter. 2,423,153; July 1.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Pull apart separable fastener. 2,423,202; July 1.

Morse, Charles W., assignee: *See*—
Lorenz, Vincent C.

Moseley, Francis L., Chevy Chase, Md., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Radio controlled pilot system. 2,423,336; July 1.

Moseley, Francis L., Osborne, Ohio, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Radio controlled pilot system. 2,423,337; July 1.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,423,110; July 1.

Muller, Peter H., Hillside Township, Union County, N. J. Ice block upending machine. 2,423,251; July 1.

Murphy, Edmund: *See*—
Hales, John S., Murphy, and MacDonald.

Mussler, Frank H.: *See*—
Bullard, Edward P., III, and Mussler.

Myers, Joseph V., Tampa, Fla. Vegetable cutter with stationary knives and reciprocating plunger. 2,423,399; July 1.

Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,423,338; July 1.

Nemeth, Otto R., Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Apparatus for dressing and drying hair. 2,423,252; July 1.

Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Reproducing head for magnetic telegraphones. 2,423,339; July 1.

Nichols, Harry J., Binghamton, N. Y. Propeller. 2,423,400; July 1.

Niles-Bement-Pond Company, assignee: *See*—
Chandler, Milton E.
Lee, Leighton, II.

Nurre Companies, Inc., assignee: *See*—
McDonald, William H.

O'Brien, Jolly W., Houston, Tex. Admix for drilling mud. 2,423,154; July 1.

O'Kelly, Arlie A., Woodbury, N. J., R. H. Work, Philadelphia, Pa., and J. Plucker, III, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of isoparaffins. 2,423,401; July 1.

Oldham, Samuel R., West Orange, N. J., assignor to Union Carbide and Carbon Corporation. Making blowpipe nozzle blanks. 2,423,203; July 1.

O'Leary, Charles M., Detroit, Mich. Pneumatic pumping mechanism. 2,423,111; July 1.

Olsen, Elmer C., Monterey Park, Calif. Awning supporting frame and adjustable connector therefor. 2,423,402; July 1.

Owens-Illinois Glass Company, assignee: *See*—
Miller, Ira H.
Wheaton, Jack M., and Hohl.

Ox Fibre Brush Company, Inc., assignee: *See*—
Lundgren, Eric L.

Pantazakos, Nicholas J., U. S. Army, Westwood, N. J. Printing machine. 2,423,112; July 1.

Parsons Company, The, assignee: *See*—
Vaughn, George A.

Paulus, Charles L.: *See*—
Fink, Rudolph, Holloman, and Paulus.

Payn, Russell C., Watford, E. Jones, Ardrossan, and J. S. Flanders, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Deflagrating compositions. 2,423,427; July 1.

Pellettere, Joseph A., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Multiple condition recording apparatus. 2,423,340; July 1.

Penet, Gabriel J. M.: *See*—
Stewart, Claudius F., and Penet.

Peterson, Axel H., Rock Island, Ill. Blowhole plug for sand boxes or containers. 2,423,341; July 1.

Peterson, Bernice J., Stockton, Calif. Infant's romper. 2,423,403; July 1.

Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
Blair, Charles M., Jr., and Schuls.

Pfleghar, George W., Upper Moreland Township, Montgomery County, assignor to Fischer & Porter Company, Hatboro, Pa. Apparatus for making precision-bore tubes. 2,423,113; July 1.

Phillips Petroleum Company, assignee: *See*—
Emery, Melvin R.
Weber, Louis J.

Phillips, Philip H., Farmington, Conn. Pressure restricting device. 2,423,155; July 1.

Phillips, Samuel T.: *See*—
Sedacca, Albert, and Phillips.

Phoenix Metal Cap Company, assignee: *See*—
Crabbe, Lindsay T., and Lathrop.

Pinanski, Samuel, Brookline, Mass. Dispensing apparatus and treating popped corn. 2,423,342; July 1.

Pittsburgh Plate Glass Company, assignee: *See*—
Eilerman, George E.
Freeman, Stephen E., and Gloyer.
Gerhart, Howard L., and Adams.
Minton, Gerald Z., and Black.

Plessey Company Limited, The, assignee, et al.: *See*—
Stokes, Philip H., Greenland, and Pugh.

Plucker, Julius, III: *See*—
O'Kelly, Arlie A., Work, and Plucker.

Plueddemann, Edwin P., Woodbridge, N. J., and R. Rathman, Decatur, Ind., assignors to Westvaco Chlorine Products Corporation, New York, N. Y. Process of degreasing aluminum and magnesium surfaces. 2,423,343; July 1.

Pollack, Daniel, Forest Hills, assignor to International Mutoscope Corporation, Long Island City, N. Y. Plate dispenser for automatic photographic machines. 2,423,404; July 1.

Pollard, John D., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Pretreatment of cellulosic textiles with melamine formaldehyde resin. 2,423,428; July 1.

Pollard, John D., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Pretreatment of noncellulosic textiles. 2,423,429; July 1.

Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulated rectifier circuit. 2,423,114; July 1.

Potts, Walter J., Collingswood, and H. S. Dalrymple, Woodlynne, N. J. Luggage fastener. 2,423,253; July 1.

Pouliart, Willy, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,423,115; July 1.

Press Wireless, Inc., assignee: *See*—
Chapin, Renold S.
Crosby, Murray G.
Sprague, Robert M.

Price, Osborne I., assignor to Magnetic Devices, Inc., Frederick, Md. Electric relay. 2,423,116; July 1.

Pugh, Cyril A.: *See*—
Stokes, Philip H., Greenland, and Pugh.

Quebatte, Arthur, Boulogne-sur-Seine, and E. Seignol, Paris, France; vested in the Attorney General of the United States. Electric clock mechanism. 2,423,117; July 1.

Quinlan, Joseph E., assignee: *See*—
Hunt, Charles M.

Radio Corporation of America, assignee: *See*—
Badmaieff, Alexis.
Brumbaugh, John M.
Conklin, James W.
Hershberger, William D.
Korman, Nathaniel I.
Lindenblad, Nils E.
Linder, Ernest G.
Newman, William E.
Rettinger, Michael.
Runge, Frank E., and Smith.
Sachtleben, Lawrence T.
Sinnett, Chester M.
Sontheimer, Carl G., and Korman.

Ramsay, Marcus, assignor of forty per cent to E. G. Ramsay and twenty per cent to H. D. Spencer, New York, N. Y. Lapping machine. 2,423,118; July 1.

Ramsay, Eric G., assignee, et al.: *See*—
Ramsay, Marcus.

Ransomes & Rapier Limited, assignee: *See*—
Stokes, Antony S.

Rathman, Richard: *See*—
Plueddemann, Edwin P., and Rathman.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Reid, Laurance S., Oklahoma City, Okla. Recovering desirable petroleum hydrocarbon fractions at substantially wellhead pressure. 2,423,156; July 1.

Reimer, Frank H.: *See*—
Goehler, Michael, Reimer, and Davis.

Reiss, August, London, England. Cleaning flues or the like which conduct producer gas. 2,423,157; July 1.

Remington Rand Inc., assignee: *See*—
Woodgate, Percy W.

Retallack, John B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Hydrophone selecting system. 2,423,119; July 1.

Rettinger, Michael, Encino, Calif., assignor to Radio Corporation of America. Frequency modulation light beam transmission. 2,423,254; July 1.

Rickenmann, Alfred, Zurich, Switzerland. Screw thread grinding machine. 2,423,405; July 1.

Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilising dithioglycerols. 2,423,344; July 1.

Rockwell, Edward A., Cleveland, Ohio. Apparatus including power unit for setting brakes. 2,423,204; July 1.

Kell, Havard L., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Rendering of fatty materials. 2,423,102; July 1.

Kellogg, M. W., Company, The, assignee: *See*—
Layng, Edwin T.

Kennedy, Harry E., Berkeley, Calif., assignor to The Linde Air Products Company. Electropneumatic control system. 2,423,190; July 1.

Kezertee, Emery L.: *See*—
Cole, Harry, and Kezertee.

Klinghoffer, Stefan, Paris, France; vested in the Attorney General of the United States. Retaining the radioactivity of liquids intended for injections. 2,423,240; July 1.

Koechlin, Renaud, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. System for measuring frequency deviations. 2,423,103; July 1.

Kopp, Jean, Berne, Switzerland. Control apparatus for variable pitch propeller adjusting devices. 2,423,191; July 1.

Korman, Nathaniel I.: *See*—
Sontheimer, Carl G., and Korman.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Reflectometer for transmission lines and waveguides. 2,423,390; July 1.

Korpi, Karl J.: *See*—
Stone, Charles M., and Korpi.

Korum, Henry E., East Moline, assignor to Deere & Company, Moline, Ill. Feed hopper. 2,423,192; July 1.

Kotterman, Chester A.: *See*—
Fiore, William, and Kotterman.

Kozloff, John B., Brooklyn, N. Y. Screen printing table. 2,423,391; July 1.

Krogh, Charlotte S., Compton, Calif. Baby tender. 2,423,392; July 1.

Kunen, Herbert K.: *See*—
Kurth, Franz J., Honerkamp, and Kunen.

Kurth, Franz J., F. Honerkamp, and H. K. Kunen, assignors to Anemostat Corporation of America, New York, N. Y. Air distributing duct, including damper means. 2,423,241; July 1.

Labin, Emile, assignor to International Standard Electric Corporation, New York, N. Y. Direction indicating apparatus. 2,423,104; July 1.

Lafferty, James M., Colonie, N. Y., assignor to General Electric Company. Ultra high frequency oscillator of the cavity resonator type. 2,423,327; July 1.

Lambach, Fritz, Tenafly, N. J. Checking and controlling the operation of textile machines. 2,423,105; July 1.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel rest fitting machine. 2,423,149; July 1.

Lathrop, Donald C.: *See*—
Crabbe, Lindsay T., and Lathrop.

Lauck, John A., South Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Balanced valve assembly. 2,423,393; July 1.

Lawler, Frank P., Chicago, Ill., assignor of one-third to C. H. Grant, San Francisco, Calif., one-third to F. P. Lawler, Chicago, Ill., and one-third to P. J. Tyler, Oroville, Calif. Overhead shovel. 2,423,193; July 1.

Layng, Edwin T., assignor to The M. W. Kellogg Company, Jersey City, N. J. Cyclizing hydrocarbons. 2,423,328; July 1.

Le Clair, Camille C. S., London, England. Oil filtration. 2,423,329; July 1.

Lee, Leighton II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Device for measuring the ratio between two variables. 2,423,394; July 1.

Lehmann, Gerard J., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge tube amplifier. 2,423,106; July 1.

Leibrook, Walton V.: *See*—
Fasold, George A., and Leibrook.

Levine, Charles, Detroit, Mich. Making dentures. 2,423,330; July 1.

Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Wintherthur, Switzerland. Opposed piston engine cylinder liner. 2,423,395; July 1.

Linda, Frank R.: *See*—
Belcher, Daniel, and Linda.

Linde Air Products Company, The, assignee: *See*—
Kennedy, Harry E.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Lobe switching antenna. 2,423,150; July 1.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Wave guide attenuator. 2,423,396; July 1.

Line Material Company, assignee: *See*—
Schultz, William O.

Long, Thomas H., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for measuring the dwell and frequency of electrical impulses. 2,423,194; July 1.

Longden, Eric, Greenside, Johannesburg, Transvaal, Union of South Africa. Clip for flexible tubes. 2,423,195; July 1.

Lorenz, Vincent C., assignor of one-fourth to C. W. Morse, Anaconda, Mont. Automatic sampling apparatus. 2,423,242; July 1.

Loumiet et Lavigne, Jean, Itabo, Cuba. Steam boiler regulating system. 2,423,397; July 1.

Loungee, E. F., assignee, et al.: *See*—
Delmonte, John.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Two-speed drive mechanism. 2,423,243; July 1.

Lovely, John E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Power-operated chuck. 2,423,244; July 1.

Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Hydraulic brake. 2,423,331; July 1.

Lundgren, Eric L., Braddock Heights, Md., assignor to Ox Fibre Brush Company, Inc. Apparatus for treating fibrous material. 2,423,425; July 1.

MacDonald, Lawrence: *See*—
Hales, John S., Murphy, and MacDonald.

MacKendrick, David B., New York, N. Y. Flexible electric heater and an apparatus and method for making the same. 2,423,196; July 1.

Magnetic Devices, Inc., assignee: *See*—
Price, Osborne I.

Magnus, Carl E. and L. L., Chicago, Ill. Method of and device for extracting hairs by using adhesive tape. 2,423,245; July 1.

Magnus, Louise L.: *See*—
Magnus, Carl E. and L. L.

Majoros, Frank P.: *See*—
Katz, Julius, and Majoros.

Manhattan Scalloping and Embroidery Works, Inc., assignee: *See*—
Fogel, Jack L.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Making bearing bushing on molded blades. 2,423,246; July 1.

Martin-Hurst, William F. F., Sunbury-on-Thames, England. Thermostatic device for controlling for cooling purposes, the flow of fluids. 2,423,398; July 1.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Taylor, Maurice C.

Matson, Ivan M., Los Angeles, Calif. Bypass for luminous tube signs. 2,423,197; July 1.

Mayer, Albert A., Little Falls, N. J., assignor to J. F. Trommer, Inc., Brooklyn, N. Y. Shipping carton for bottles. 2,423,332; July 1.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency tube of the resonator type. 2,423,426; July 1.

McClure, Daniel R., Jr., Los Angeles, Calif. Mechanical toy. 2,423,198; July 1.

McDonald, William H., assignor to The Nurre Companies, Inc., Bloomington, Ind. Table construction. 2,423,247; July 1.

McGean Chemical Company, The, assignee: *See*—
Waite, Virgil H., and Allport.

McKinnis, Art C.: *See*—
Doumani, Thomas F., Deery, and McKinnis.

McWhirter, Eric M. S., H. Wolfson, R. H. Dunn, and S. C. Shepard, assignors to Standard Telephones and Cables Limited, London, England. Thermistor controlled relay circuits. 2,423,107; July 1.

Middler, Alexander J., Detroit, Mich. Front drive toy vehicle. 2,423,248; July 1.

Miller Engineering Corporation, assignee: *See*—
Miller, Raymond J.

Miller, Ira H., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Cap feeding device. 2,423,333; July 1.

Miller, Ralph: *See*—
Hixson, Arthur W., and Miller.

Miller, Raymond J., assignor to Miller Engineering Corporation, Detroit, Mich. Temperature control mold for casting. 2,423,151; July 1.

Miller, Raymond J., Detroit, Mich., assignor to American Pattern and Manufacturing Co. Guide roller assembly for motion-picture projectors. 2,423,334; July 1.

Milnor, Leland T., assignor to The Cincinnati Manufacturing Company, Cincinnati, Ohio. Sound deadening panel. 2,423,199; July 1.

Minnick, Leonard J., Cheltenham, assignor to G. & W. H. Corson, Inc., Plymouth Meeting, Pa. Hydrated lime product and making the same. 2,423,335; July 1.

Minton, Gerald Z., and L. V. Black, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Glass supporting carriage. 2,423,249; July 1.

Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Rotary turret selector. 2,423,152; July 1.

Modrey, Henry J., London, England, assignor to Modrey Patents Corporation, Essex County, N. J. Electrical plug and socket spring contact or connector. 2,423,250; July 1.

Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.

Moncrieff, Robert W., and D. P. Young, Spondon, near Derby, assignors to British Celanese Limited, London, England. Manufacture of lactams. 2,423,200; July 1.

Monnet, Georges, New York, N. Y. Improving the ejection of masses. 2,423,109; July 1.

Moore, James H., Akron, Ohio. Work support. 2,423,201; July 1.

Moore, Maurice L., Detroit, Mich., and T. M. Immediata, Wilmington, Del., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. N²-carboxyacyl-metanilamides. 2,423,108; July 1.

Morgenstern, David M., Cleveland, Ohio. Headlight adapter. 2,423,153; July 1.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Pull apart separable fastener. 2,423,202; July 1.

Morse, Charles W., assignee: *See*—
Lorenz, Vincent C.

Moseley, Francis L., Chevy Chase, Md., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Radio controlled pilot system. 2,423,336; July 1.

Moseley, Francis L., Osborne, Ohio, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Radio controlled pilot system. 2,423,337; July 1.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spreader stoker apparatus. 2,423,110; July 1.

Muller, Peter H., Hillside Township, Union County, N. J. Ice block upending machine. 2,423,251; July 1.

Murphy, Edmund: *See*—
Hales, John S., Murphy, and MacDonald.

Mussler, Frank H.: *See*—
Bullard, Edward P., III, and Mussler.

Myers, Joseph V., Tampa, Fla. Vegetable cutter with stationary knives and reciprocating plunger. 2,423,399; July 1.

Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,423,338; July 1.

Nemeth, Otto R., Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Apparatus for dressing and drying hair. 2,423,252; July 1.

Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Reproducing head for magnetic telegraphones. 2,423,339; July 1.

Nichols, Harry J., Binghamton, N. Y. Propeller. 2,423,400; July 1.

Niles-Bement-Pond Company, assignee: *See*—
Chandler, Milton E.
Lee, Leighton, II.

Nurre Companies, Inc., assignee: *See*—
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Sprague, Robert M.

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Pugh, Cyril A.: *See*—
Stokes, Philip H., Greenland, and Pugh.

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Conklin, James W.
Hershberger, William D.
Korman, Nathaniel I.
Lindenblad, Nils E.
Linder, Ernest G.
Newman, William E.
Rettinger, Michael.
Runge, Frank E., and Smith.
Sachtleben, Lawrence T.
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Ramsay, Marcus.

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Stokes, Antony S.

Rathman, Richard: *See*—
Plueddemann, Edwin P., and Rathman.

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Rockwell, Edward A., Cleveland, Ohio. Apparatus including power unit for setting brakes. 2,423,204; July 1.

Rolfes, Fritz H., Johannesburg, Union of South Africa. Clip for holding detonators in blasting cartridges. 2,423,255; July 1.

Romec Pump Company, assignee: *See*— Aspelin, Leslie L.

Roters, Herbert C., Roslyn, N. Y., assignor to Castner Patents, Inc. Alternating-current dynamoelectric machine. 2,423,345; July 1.

Rotomat Corporation, The, assignee: *See*— Stewart, James E.

Rowntree, Joseph S., Radnage, near High Wycombe, England. Still with vapor separator. 2,423,205; July 1.

Runge, Frank E., Haddon Heights, and P. C. Smith, Moorestown, N. J., assignors to Radio Corporation of America. Specimen chamber for electron microscopes. 2,423,158; July 1.

Ruthy, Louis C.: *See*— Behrendt, John G., and Ruthy.

Ryan, Lester R., Plymouth, assignor to The Autoyre Company, Oakville, Conn. Cartridge belt link. 2,423,346; July 1.

Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Monitoring system for optical sound recording. 2,423,256; July 1.

Sanders, Elmore J.: *See*— Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Saunders, Charles A., Manilla, Iowa. Archery target butt. 2,423,347; July 1.

Scafe, Eugene T., and J. Herman, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum distillate and improving. 2,423,406; July 1.

Scheuermann, Otto: *See*— Ulrich, Frederick, and Scheuermann.

Schick Incorporated, assignee: *See*— Cunliffe, Wilfred.

Schlage, Anna, executrix: *See*— Schlage, Walter R.

Schlage Lock Company, assignee: *See*— Schlage, Walter R.

Schlage, Walter R., deceased, Burlingame; A. Schlage, executrix, assignor to Schlage Lock Company, San Francisco, Calif. Escutcheon plate fastener. 2,423,206; July 1.

Schott, Donald E., Flushing, N. Y., and D. H. Crepeau, East Braintree, Mass., assignors to Thomas C. Wilson, Inc., Long Island City, N. Y. Fluid operated tube cleaner with flushing means. 2,423,257; July 1.

Schrader, Fred W., Priddy, Tex. Hairpin. 2,423,160; July 1.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,423,258; July 1.

Schulz, Dale M.: *See*— Blair, Charles M., Jr., and Schulz.

Scientific Research and Development, Office for Emergency Management, Director of the Office of, assignee: *See*— Brady, Edward L., and Glendenin.

Scientific Research and Development, United States of America, as represented by the Executive Secretary of the Office of, assignee: *See*— Veneklasen, Paul S.

Searles, Amos, Moscow, Pa., and C. A. Swartz, Yonkers, N. Y. Idler roller for belt conveyors. 2,423,407; July 1.

Sedacca, Albert, and S. T. Phillips, New York, N. Y. Garment hanger. 2,423,408; July 1.

Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Valve arrangement. 2,423,120; July 1.

Shapiro, Herbert: *See*— Forbes, Gordon D., and Shapiro.

Sharp & Dohme, Incorporated, assignee: *See*— Moore, Maurice L., and Immediata.

Sharp, Renwick J., Guatemala, Guatemala. Ice-cream cabinet. 2,423,207; July 1.

Sharples Chemicals Inc., assignee: *See*— Gillette, Leslie A.

Shell Development Company, assignee: *See*— Cole, Robert M. Gretz, George W.

Shepard, Stanley C.: *See*— McWhirter, Eric M. S., Wolfson, Dunn, and Shepard.

Shockey, Newton E., Detroit, assignor to Van Dresser Specialty Corporation, Van Dyke, Mich. Spring cover. 2,423,159; July 1.

Shook, H. G., Company, The, assignee: *See*— Frankhouser, Albert G.

Short, Thomas T., Fort Wayne, Ind., assignor to General Electric Company. Phase converter. 2,423,348; July 1.

Shulkin, Anatol, New York, N. Y. Miniature pinball device. 2,423,409; July 1.

Siegnol, Edouard: *See*— Quebatte, Arthur, and Siegnol.

Simmons Company, assignee: *See*— Woller, Edward E.

Simmons, Edward G., Chiswick, London, England. Ignition apparatus for liquid fuel fired furnaces. 2,423,410; July 1.

Simmons, Edward N., assignor to Simmons Manufacturing Co., Chicago, Ill. Sewing machine. 2,423,259; July 1.

Simmons Manufacturing Co., assignee: *See*— Simmons, Edward N.

Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for transferring particle form solids. 2,423,411; July 1.

Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Electrostatic pickup. 2,423,208; July 1.

Skareen, Willard C.: *See*— Earley, Samuel C. and N. B., Sanders, Skareen, Davies, and Hughes.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Extrusion of tubing. 2,423,260; July 1.

Slenker, John A.: *See*— Westhaver, Loren J., and Slenker.

Smith, Perry C.: *See*— Runge, Frank E., and Smith.

Smoker, Edward H., Drexel Hill, Pa., assignor to The United Gas Improvement Company. Azeotropic distillation of other aromatic hydrocarbons from styrene with acetic acid. 2,423,412; July 1.

Societe Genevoise D'Instruments De Physiques, assignee: *See*— Turrettini, Fernand.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*— O'Kelly, Arlie A., Work, and Plucker. Scafe, Eugene T., and Herman. Simpson, Thomas P.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Electrical insulating oils. 2,423,413; July 1.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Recovering diolefins from hydrocarbon mixtures. 2,423,414; July 1.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Production of an indene phenol. 2,423,415; July 1.

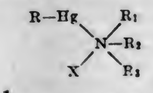
Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Rotating beam fatigue testing machine. 2,423,349; July 1.

Sontheimer, Carl G., Haddonfield, and N. I. Korman, Camden, N. J., assignors to Radio Corporation of America. Nonfrequency - selective reflectometer. 2,423,416; July 1.

Sowa, Frank J., Cranford, N. J. Reaction product of phenyl mercury salts with hydroxy alkyl amino compounds and their preparation. 2,423,121; July 1.

Sowa, Frank J., Cranford, N. J. Germicidal product and producing same. 2,423,261; July 1.

Sowa, Frank J., Cranford, N. J. Compounds having the formula



2,423,262; July 1.

Spencer, H. Dorsey, assignee, et al.: *See*— Ramsay, Marcus.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the plural cavity resonator type. 2,423,161; July 1.

Sperry Gyroscope Company, Inc., assignee: *See*— Moseley, Francis L.

Sprague, Robert M., Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Signal peak limiter. 2,423,263; July 1.

Standard Telephones and Cables Limited, assignee: *See*— Earp, Charles W. Gilliver, Gilbert. Handley, John. McWhirter, Eric M. S., Wolfson, Dunn, and Shepard.

Stephens, Joseph F., Kansas City, Mo., assignor to Gustin-Bacon Manufacturing Company. Tube fitting. 2,423,122; July 1.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Equalizing valve. 2,423,264; July 1.

Stewart, Claudius F., and G. J. M. Penet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Interurban telephone system. 2,421,123; July 1.

Stewart, James E., Rye, N. Y., assignor to The Rotomat Corporation. Vending machine. 2,423,265; July 1.

Stockton, Walter S., Columbus, Ohio. Electrical connector and insulator. 2,423,350; July 1.

Stokes, Antony S., assignor to Ransomes & Rapier Limited, Ipswich, England. Self-propelled vehicle. 2,423,266; July 1.

Stokes, F. J., Machine Company, assignee: *See*— Strauss, William.

Stokes, Philip H., and L. S. Greenland, Coventry, and C. A. Pugh, Ilford; said Stokes and said Greenland assignors to H. M. Hobson Limited, and said Pugh assignor to The Plessey Company, Limited, Ilford, England. Exhaust-driven supercharger for internal combustion engines. 2,423,417; July 1.

Stone, Charles M., Beacon, N. Y., and K. J. Korpi, Pasadena, Calif., assignors to The Texas Company, New York, N. Y. Producing alkadienes by dehydrogenating alkenes. 2,423,418; July 1.

Storey, Daniel H., Wausau, Wis. Paper baler. 2,423,209; July 1.

Strang, John M., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Optical system for periscopes. 2,423,267; July 1.

Strauss, William, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Double-checking molding press. 2,423,268; July 1.

Stuber, Bernard K., Detroit, Mich. Inserted blade cutter. 2,423,419; July 1.

Sulzer Freres, Societe Anonyme, assignee: *See*— Lieberherr, Hans.

Summers, Otto M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation. Variable stroke hand pump. 2,423,162; July 1.

Summers, Thomas O., Jr., Los Angeles, Calif. Gyroscopic attitude indicating instrument. 2,423,269; July 1.

Summers, Thomas O., Jr., Los Angeles, Calif. Gyroscopic control apparatus. 2,423,270; July 1.

Superba Manufacturing Co., Inc., assignee: *See*— Katz, Julius, and Majoros.

Swartz, Charles A.: *See*— Searles, Amos, and Swartz.

Sylvania Electric Products Inc., assignee: *See*— McCarthy, Henry J.

Talbot, Frank A., Baltimore, Md. Rotary motor, pump, and the like. 2,423,271; July 1.

Talbot, Martha M., Detroit, Mich. Hair curler. 2,423,420; July 1.

Taylor, George C.: *See*— Fraser, Walter G., Jr., and Taylor.

Taylor, Maurice C., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Apparatus for amalgam decomposition. 2,423,351; July 1.

Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical device. 2,423,124; July 1.

Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoelectromotive force cell of the silicon-silicon oxide type and method of making the same. 2,423,125; July 1.

Texas Company, The, assignee: *See*— Stone, Charles M., and Korpi.

Theillaumas, Clement M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,423,126; July 1.

Theillaumas, Clement M., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Subscriber's station for telephone systems. 2,423,127; July 1.

Thiele, Berthold R., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Latch. 2,423,352; July 1.

Thomas, Charles L., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,423,163; July 1.

Thornton, Stuart R., San Francisco, Calif. Combined spectacles and filters therefof. 2,423,272; July 1.

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymethylene diguanamines. 2,423,353; July 1.

Tifft, Emerson B., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,423,421; July 1.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Glass composition and method of making same. 2,423,128; July 1.

Tobias, Herrmann B., Washington, D. C. Checking device for roller supported doors. 2,423,129; July 1.

Trommer, John F., Inc., assignee: *See*— Mayer, Albert A.

Turrettini, Fernand, assignor to Societe Genevoise D'Instruments De Physiques, Geneva, Switzerland. Thread grinding machine. 2,423,422; July 1.

Tyler, Paul J., assignee, et al.: *See*— Lawler, Frank P.

Tyrrell, Warren A., Fairhaven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device in wave guide transmission system. 2,423,130; July 1.

Ulrich, Frederick, Jersey City, and O. Scheuermann, Westfield, assignors to Conmar Products Corporation, Newark, N. J. Double-pull automatic lock slider. 2,423,210; July 1.

Union Carbide and Carbon Corporation, assignee: *See*— Herbst, Harry T. Oldham, Samuel R.

Union Oil Company of California, assignee: *See*— Doumani, Thomas F., and Coe. Doumani, Thomas F., Deery, and McKinnis.

United Aircraft Corporation, assignee: *See*— Martin, Erle.

United Gas Improvement Company, The, assignee: *See*— Chaney, Newcomb K. Chaney, Newcomb K., and Hall. Ferguson, Bassett, Jr. Hall, Edwin L., and Batchelder. Jordan, Claude W. Smoker, Edward H. Soday, Frank J.

United Shoe Machinery Corporation, assignee: *See*— Ashley, John W. Lancaster, John T.

United States Rubber Company, assignee: *See*— Hinman, Dorr J.

Universal Oil Products Company, assignee: *See*— Thomas, Charles L.

Van Dresser Specialty Corporation, assignee: *See*— Shockey, Newton E.

Van Hoesen, Florence B., Syracuse, N. Y. Surgical boot. 2,423,354; July 1.

Van Laethem, Frans, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Selector switch for telecommunication systems. 2,423,131; July 1.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of air. 2,423,273; July 1.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of the components of air. 2,423,274; July 1.

Vanselow, Lorin G., Milwaukee, Wis. Yarn knitting guide. 2,423,211; July 1.

Vaughn, George A., assignor to The Parsons Company, Newton, Iowa. Wheel trenching machine. 2,423,132; July 1.

Veneklasen, Paul S., Saugus, Mass., assignor to the United States of America, as represented by the Executive Secretary of the Office of Scientific Research and Development. Earphone socket structure. 2,423,355; July 1.

Wachter, Lester W.: *See*— Johnson, Vernon R., and Wachter.

Wagner, E. R., Manufacturing Compauy, assignee: *See*— Thiele, Berthold R.

Wagner, Fred, Buffalo, N. Y. Necktie. 2,423,133; July 1.

Waite, Virgil H., Berea, and H. B. Allport, Cleveland, assignors to The McGean Chemical Company, Cleveland, Ohio. Vitreous enamel opacifier. 2,423,212; July 1.

Waldes Koh-I-Noor, Inc., assignee: *See*— Feitl, Rudolf.

Wallace & Tiernan Co., Inc., assignee: *See*— Booth, George M.

Wandrey, Clarence W., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Operating mechanisms. 2,423,275; July 1.

War, United States of America, as represented by the Secretary of, Assignee: *See*— Forbes, Gordon D., and Shapiro.

Waterbury, Carl C., assignor to Diaphragm & Chemical Company, Chicago, Ill. Pessary. 2,423,356; July 1.

Watrobski, Raymond J., Schenectady, N. Y., assignor to General Electric Company. Determining the optical axis of a quartz crystal. 2,423,357; July 1.

Weber, Louis J., Borger, Tex., assignor to Phillips Petroleum Company. High-temperature conduit. 2,423,213; July 1.

Weissman, Morton R., West New York, N. J. Rotatable electrical connector. 2,423,276; July 1.

Weissman, Morton R., West New York, N. J. Electrical bushing type connector. 2,423,277; July 1.

Wells, Sidney D., Combined Locks, Wis., assignor to The Institute of Paper Chemistry. Foam prevention. 2,423,214; July 1.

Welter, Grover C., Roswell, N. Mex. Truss. 2,423,215; July 1.

Westhaver, Loren J., Monongahela, Pa., and J. A. Slenker, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Heating open-hearth furnaces. 2,423,216; July 1.

Westinghouse Electric Corporation, assignee: *See*— Fraser, Walter G., Jr., and Taylor. Mossbart, Donald J.

Westvaco Chlorine Products Corporation, assignee: *See*— Plueddeman, Edwin P., and Rathman.

Wheaton, Jack M., and J. Hohl, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Packaging granular materials. 2,423,358; July 1.

Whitney, Daniel E.: *See*— Gerbino, Stephen R., and Whitney.

Wiegand, Edwin L., Company, assignee: *See*— Greer, Millard M.

Wiley, Richard H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diazonium fluosilicates. 2,423,359; July 1.

Williams, William C., Santa Monica, Calif. Fixture. 2,423,164; July 1.

Willis, Floyd, Jr., Dalas, Tex. Vehicle headlight control system. 2,423,278; July 1.

Wilson, Thomas C., Inc., assignee: *See*— Schott, Donald E., and Crepeau.

Winkler, Gunnar, Appelviken, Stockholm, Sweden, assignor to International Standard Electric Corporation, New York, N. Y. Accumulator charging system. 2,423,134; July 1.

Wolfson, Henry: *See*— McWhirter, Eric M. S., Wolfson, Dunn, and Shepard.

Woller, Edward E., assignor to Simmons Company, Kenosha, Wis. Lounge chair. 2,423,360; July 1.

Wood, Charles W., Schenectady, N. Y., assignor to General Electric Company. Directional switch operating mechanism. 2,423,361; July 1.

Woodgate, Percy W., London, England, assignor to Remington Rand Inc., Buffalo, N. Y. Differential line-spacing mechanism for typewriters. 2,423,430; July 1.

Wooster Brass Company, The, assignee: *See*—
Housekeeper, Earl J.

Work, Robert H.: *See*—
O'Kelly, Arlie A., Work, and Plucker.

Wren, Louis C., Dartford, assignor to The General Electric Company, Limited, London, England. Ore reclaiming machine. 2,423,279; July 1.

Wright, Esmond, P. G.: *See*—
den Hertog, Martinus, and Wright.

Yondorf, Emil, Chicago, Ill. Pencil pointer. 2,423,280; July 1.

Young, Donald P.: *See*—
Moncrieff, Robert W., and Young.

Yule, William H. D., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,423,135; July 1.

Zenith Radio Corporation, assignee: *See*—
Wandrey, Clarence W.

Zim Manufacturing Company, assignee: *See*—
Berkman, Herbert A.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Wave meter. S. D. Lavoie. Re. 22,894; July 1.

LIST OF PLANT INVENTIONS

Pear tree. A. Moritz. 741; July 1.

Rose plant. J. E. Wiltgen. 740; July 1.

LIST OF DESIGN INVENTIONS

Bottle. M. W. Lowenstein. 147,014; July 1.
Bracelet. W. Lutz. 147,015; July 1.
Bracelet or similar article. M. Chernow. 147,004–5; July 1.
Bracelet or similar article. J. Rosenberg and F. D. Byrne. 147,018; July 1.
Brooch or similar article. A. Katz. 147,012; July 1.
Button or similar article. M. Weeber. 147,029–31; July 1.
Cap, Bottle. W. H. Stevens, Jr. 147,027; July 1.
Case, Bottle. J. P. Waldrop. 147,028; July 1.
Clothespin. V. H. Gillespie and P. E. Mokszycki. 147,007; July 1.
Dress. K. Rost. 147,020; July 1.
Dress. S. Ruchman. 147,021–3; July 1.
Handbag. E. N. Graham. 147,008; July 1.
Lavatory. R. J. Sherwin. 147,024; July 1.
Packing for fragile articles. E. L. Shepard. 147,025; July 1.
Piping template. W. H. Skewis. 147,026; July 1.
Playground apparatus. P. A. Cosme. 147,006; July 1.
Protector, Shoe. E. A. Howard. 147,010–11; July 1.
Shoe or similar article. U. Chaplain. 147,003; July 1.
Spoon or other article of flatware. W. F. Moran. 147,016; July 1.
Suit, Slack. A. Lathrop. 147,013; July 1.
Support, Watch. J. E. Bartlett. 147,002; July 1.
Timetable. R. D. Roselle. 147,017; July 1.
Toy breakfront or similar article. I. Rosenbloom. 147,019; July 1.
Tray, Make-up. G. G. Greger. 147,009; July 1.
Wallpaper border or similar article. A. Westrate. 147,032; July 1.

LIST OF INVENTIONS

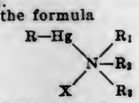
FOR WHICH

PATENTS WERE ISSUED ON THE 1st DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheels, Making. A. C. Cieli. 2,423,293; July 1.
Accumulator charging system. G. Winkler. 2,423,134; July 1.
Admix for drilling mud. J. W. O'Brien. 2,423,154; July 1.
Air distributing duct, including damper means. F. J. Kurth, F. Honerkamp and H. K. Kunen. 2,423,241; July 1.
Alkadienes by dehydrogenating alkenes, Producing. C. M. Stone and K. J. Korpi. 2,423,418; July 1.
Aluminum and magnesium surfaces, Degreasing. E. P. Plueddemann and R. Rathman. 2,423,343; July 1.
Aluminum conducting surface treatment. W. F. Bonwitt. 2,423,290; July 1.
Amino-ester compounds. C. M. Blair, Jr. 2,423,365; July 1.
Amplifier, Electron discharge tube. G. J. Lehmann. 2,423,106; July 1.
Amusement device. H. T. Austin. 2,423,283; July 1.
Antenna, Lobe switching. N. E. Lindenblad. 2,423,150; July 1.
Antenna system, Loop. E. Daubaras. 2,423,083; July 1.
Apparatus for amalgam decomposition. M. C. Taylor. 2,423,351; July 1.
Apparatus for dressing and drying hair. O. R. Nemeth. 2,423,252; July 1.
Apparatus for feeding solution to water comprising receptacles having vertically adjustable chambers connected therewith. R. H. Geiser. 2,423,379; July 1.
Apparatus for making precision-bore tubes. G. W. Pfiegher. 2,423,113; July 1.
Apparatus for measuring the dwell and frequency of electrical impulses. T. H. Long. 2,423,194; July 1.
Apparatus for treating fibrous material. E. L. Lundgren. 2,423,425; July 1.
Apparatus including power unit for setting brakes. E. A. Rockwell. 2,423,204; July 1.
Area wing, Variable. T. F. Gibson. 2,423,095; July 1.
Aromatics and diolefins from petroleum, Producing. N. K. Chaney. 2,423,374; July 1.
Attenuator, Wave guide. E. G. Linder. 2,423,396; July 1.
Baby tender. C. S. Krogh. 2,423,392; July 1.
Backwashing means for filtering apparatus by reverse flow of filtrate. G. M. Booth. 2,423,172; July 1.
Bag closing machine. D. Belcher and F. R. Linda. 2,423,080; July 1.
Bag making machine. G. A. Haugh. 2,423,187; July 1.
Baler, Paper. D. H. Storey. 2,423,209; July 1.
Bearing bushing on molded blades, Making. E. Martin. 2,423,246; July 1.
Beater for disintegrating paper containing resin. M. Goehler, F. H. Reimer, and E. F. Davis. 2,423,097; July 1.
Belt, Wire covered. M. A. Crosby. 2,423,138; July 1.
Blade structure, Welded. R. C. Allen. 2,423,165; July 1.
Block: *See*—
Snatch block.
Blowpipe nozzle blanks, Making. S. R. Oldham. 2,423,203; July 1.
Board: *See*—
Finger board.
Boot, Surgical. F. B. Van Hoesen. 2,423,354; July 1.
Bowl type oil burner. J. G. Behrendt and L. C. Ruthy. 2,423,079; July 1.
Braiding machine. C. M. Bellg. 2,423,288; July 1.
Brake: *See*—
Hydraulic brake.
Brake structure. C. Hollerith. 2,423,315; July 1.
Burner: *See*—
Bowl type oil burner.
Bypass for luminous tube signs. I. M. Matson. 2,423,197; July 1.
Cabinet: *See*—
Ice-cream cabinet.
Can opener stop element. H. A. Berkman. 2,423,221; July 1.
Cap: *See*—
Gas engine safety cap.
Cap removing socket wrench. H. J. Halm. 2,423,145; July 1.
Carriage, Glass supporting. G. Z. Minton and L. V. Black. 2,423,249; July 1.
Carrier: *See*—
Luggage carrier.
Carton for bottles, Shipping. A. A. Mayer. 2,423,332; July 1.
Cartridge belt link. L. R. Ryan. 2,423,346; July 1.
Case: *See*—
Spectacle case.

Catalyst for the production of vinyl cyanide, Conditioning. C. R. Harris and W. W. De Atley. 2,423,186; July 1.
Cements and their preparation, Refractory. R. Esnault-Pelterie. 2,423,231; July 1.
Chair: *See*—
Lounge chair.
Chamber for electron microscopes, Specimen. F. E. Runge and P. C. Smith. 2,423,158; July 1.
Checking device for roller supported doors. H. B. Tobias. 2,423,120; July 1.
Cheese, Manufacture of. W. Faehndrich. 2,423,300; July 1.
Chuck adjusting device. H. A. Hamberger. 2,423,312; July 1.
Chuck, Power-operated. J. E. Lovely. 2,423,244; July 1.
Circuits, Feed-back. J. R. Banker. 2,423,362; July 1.
Circuits for sound recording galvanometers, Frequency modulation feed-back. A Badmaieff. 2,423,285; July 1.
Circuits, Thermistor controlled relay. E. M. S. McWhirter, H. Wolfson, R. H. Dunn, and S. C. Shepard. 2,423,107; July 1.
Clay pellets, Producing catalytic. W. W. Gary. 2,423,309; July 1.
Cleaning and preserving composition. G. P. Beach. 2,423,137; July 1.
Cleaning unit for power meat cutters. V. G. Biro. 2,423,363; July 1.
Clip: *See*—
Conduit supporting clip.
Clip for flexible tubes. E. Longden. 2,423,195; July 1.
Clip for holding detonators in blasting cartridges. F. H. Rolfes. 2,423,255; July 1.
Clock mechanism, Electric. A. Quebatte and E. Seignol. 2,423,117; July 1.
Closure cap for bottles, jars, and the like. L. T. Crabbe and D. C. Lathrop. 2,423,295; July 1.
Clothesline reel. H. Cole and E. L. Kezertee. 2,423,226; July 1.
Clutch and bearing, One-way. A. Y. Dodge. 2,423,178; July 1.
Coated and impregnated materials, Manufacture of. W. Gündel and E. Götte. 2,423,185; July 1.
Combined fuse and electric switch. T. M. Cole. 2,423,227; July 1.
Components of air, Recovery of the. C. C. Van Nuys. 2,423,274; July 1.
Compounds having the formula



F. J. Sowa. 2,423,262; July 1.
Conduit, High-temperature. L. J. Weber. 2,423,213; July 1.
Conduit supporting clip. R. S. Berry. 2,423,222; July 1.
Connecter: *See*—
Electrical bushing type Rotatable electric connecter.
connecter.
Connector: *See*—
Electrical bushing type Rotatable electric connector.
connector.
Connector and insulator, Electrical. W. S. Stockton. 2,423,350; July 1.
Constituents of air, Separation of. C. C. Van Nuys. 2,423,273; July 1.
Contact or connector, Electrical plug and socket spring. H. J. Modrey. 2,423,250; July 1.
Control and indicator for frequency shift systems, Automatic turning. M. G. Crosby. 2,423,229; July 1.
Control apparatus for variable pitch propeller adjusting devices. J. Kopp. 2,423,191; July 1.
Control device having polarizing elements, Vehicular light. S. C. Hurley, Jr. 2,423,322; July 1.
Control for air conditioning systems. C. D. Graham. 2,423,382; July 1.
Control system, Electric motor. J. W. Conklin. 2,423,228; July 1.
Control system, Electropneumatic. H. E. Kennedy. 2,423,190; July 1.
Control system, Vehicle headlight. F. Willis, Jr. 2,423,278; July 1.
Converter, Phase. T. T. Short. 2,423,348; July 1.
Costume. L. S. Blair. 2,423,170; July 1.
Cover: *See*—
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Cultivator, Quick demountable. T. W. Johnson. 2,423,148; July 1.

Cutter: *See*—
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Cutter with stationary knife and reciprocating plunger, Vegetable. J. V. Myers. 2,423,399; July 1.
Cylinder liner, Opposed piston engine. H. Lieberherr. 2,423,395; July 1.
Deflagrating compositions. R. C. Payn, E. Jones, and J. S. Flanders. 2,423,427; July 1.
Deflecting material, Method and article for. E. L. Beisel. 2,423,287; July 1.
Delay device. L. A. de Rosa. 2,423,085; July 1.
Dentures, Making. C. Levine. 2,423,330; July 1.
Detaching device, Rapid sack. J. J. Jones. 2,423,325; July 1.
Detector, Impulse radiation obstacle. H. G. Busignies. 2,423,082; July 1.
Device for controlling for cooling purposes the flow of fluids, Thermostatic. W. F. F. Martin-Hurst. 2,423,398; July 1.
Device for measuring the ratio between two variables. L. Lee, II. 2,423,394; July 1.
Diazonium fluosilicates. R. H. Wiley. 2,423,359; July 1.
Dienes by polymerization and depolymerization, Recovery of. T. F. Doumani, R. Deery, and A. C. McKinnis. 2,423,179; July 1.
Dienes, resin-forming aromatic hydrocarbons and non-resin-forming aromatic hydrocarbons, Production of. N. K. Chaney and E. L. Hall. 2,423,375; July 1.
Diolefin material in a gaseous mixture, Determination of. B. Ferguson, Jr. 2,423,377; July 1.
Diolefins from hydrocarbon mixtures, Recovering. F. J. Soday. 2,423,414; July 1.
Direction indicating apparatus. E. Labin. 2,423,104; July 1.
Directional switch operating mechanism. C. W. Woods. 2,423,361; July 1.
Dispenser for automatic photographic machines, Plate. D. Pollack. 2,423,404; July 1.
Dispensing apparatus and method of treating popped corn. S. Pinanski. 2,423,342; July 1.
Dispensing device. E. Arenson. 2,423,166; July 1.
Dithioglycerols, Stabilizing. G. W. Rigby. 2,423,344; July 1.
Double-checking molding press. W. Strauss. 2,423,268; July 1.
Drive mechanism, Two-speed. J. E. Lovely. 2,423,243; July 1.
Dynamoelectric machine, Alternating-current. H. C. Roters. 2,423,345; July 1.
Earphone socket structure. P. S. Veneklasen. 2,423,355; July 1.
Edge welding, Skelp. H. T. Herbst. 2,423,188; July 1.
Eggs for edible consumption, Preserving. E. M. Funk. 2,423,233; July 1.
Ejection of masses, Improving the. G. Monnet. 2,423,109; July 1.
Electric switch. S. S. Grady. 2,423,099; July 1.
Electrical bushing type connector. M. R. Weissman. 2,423,277; July 1.
Electromagnetic relay. C. M. Theillaumas. 2,423,126; July 1.
Electron discharge device of the plural cavity resonator type. P. L. Spencer. 2,423,161; July 1.
Electro-optical device. G. K. Teal. 2,423,124; July 1.
Embroidering machine. J. L. Fogel. 2,423,092; July 1.
Enamel opacifier, Vitreous. V. H. Waite and H. B. Allport. 2,423,212; July 1.
Equalizing valve. W. T. Stephens. 2,423,264; July 1.
Escutcheon plate fastener. W. R. Schlage. 2,423,206; July 1.
Ethylene glycol-isopropylene glycol-sebacic acid-aconitic acid polyester. C. J. Frosch. 2,423,093; July 1.
Extracting hairs by using adhesive tape, Method and device for. C. E. and L. L. Magnus. 2,423,245; July 1.
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Fatty materials, Rendering of. H. L. Keil. 2,423,102; July 1.
Feed hopper. H. E. Korum. 2,423,192; July 1.
Feeding device, Cap. I. H. Miller. 2,423,333; July 1.
Fender device for heated pots. O. E. Armstrong. 2,423,219; July 1.
Filaments, Cold drawing tapered. R. T. Fields. 2,423,182; July 1.
Filter cartridge package. R. H. Card. 2,423,224; July 1.
Finger board. J. O. Bennett. 2,423,169; July 1.
Fireplace installation, Open. J. S. Hales, E. Murphy, and L. MacDonald. 2,423,235; July 1.
Fish heading machine. F. P. Brown. 2,423,174; July 1.
Fixture. W. C. Williams. 2,423,164; July 1.
Flues or the like which conduct producer gas, Cleaning. A. Reiss. 2,423,157; July 1.
Foam prevention. S. D. Wells. 2,423,214; July 1.
Frame and adjustable connector therefor, Awning supporting. E. C. Olsen. 2,423,402; July 1.
Frequency shift telegraph receiver tuning indicator. R. S. Chapin. 2,423,225; July 1.
Front drive toy vehicle. A. J. Middler. 2,423,248; July 1.
Furnaces, Heating open-hearth. L. J. Westhaver and J. A. Slenker. 2,423,216; July 1.
Fuse construction. W. O. Schultz. 2,423,258; July 1.
Gages, Manufacturing. I. C. Gardner. 2,423,094; July 1.
Garment hanger. F. R. Brunner. 2,423,369; July 1.
Garment hanger. A. Sedacca and S. T. Phillips. 2,423,408; July 1.
Gas engine safety cap. M. R. Emery. 2,423,181; July 1.
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Germicidal product and producing same. F. J. Sowa. 2,423,261; July 1.
Glass composition and making same. E. D. Tillyer. 2,423,128; July 1.
Gliding attachment for bombs, Controllable. R. Fink, G. V. Holloman, and C. L. Paulus. 2,423,090; July 1.
Granular materials, Packaging. J. M. Wheaton and J. Hohl. 2,423,358; July 1.
Grinding machine, Indexing universal. A. B. Bolender. 2,423,367; July 1.
Grinding machine, Screw thread. A. Rickenmann. 2,423,405; July 1.
Grinding machine, Thread. F. Turrettini. 2,423,422; July 1.
Guide roller assembly for motion-picture projectors. R. J. Miller. 2,423,334; July 1.
Gun sight. C. B. Ferrel. 2,423,141; July 1.
Gyroscopic attitude indicating instrument. T. O. Summers, Jr. 2,423,269; July 1.
Gyroscopic control apparatus. T. O. Summers, Jr. 2,423,270; July 1.
Hair curler. M. M. Talbot. 2,423,420; July 1.
Hairpin. F. W. Schrader. 2,423,160; July 1.
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Welder handle.
Hanger: *See*—
Garment hanger.
Harmonic generator. A. E. Anderson. 2,423,078; July 1.
Hatch cover. D. Hess. 2,423,384; July 1.
Head for magnetic telegraphones, Reproducing. W. E. Newman. 2,423,339; July 1.
Headlight adapter. D. M. Morgenstern. 2,423,153; July 1.
Heat exchange apparatus. J. A. Churchill, J. F. Belalieff, and C. T. Delaney. 2,423,175; July 1.
Heat sealing. A. B. Haslacher. 2,423,237; July 1.
Heater and an apparatus and method for making the same, Flexible electric. D. B. MacKendrick. 2,423,196; July 1.
Heater for water-cooled engines. J. A. Gaschnitz. 2,423,378; July 1.
Heating unit, Electric. M. M. Greer. 2,423,184; July 1.
Heel seat fitting machine. J. W. Ashley. 2,423,136; July 1.
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Helmet, Welder's. S. C. Hurley, Jr. 2,423,320; July 1.
Helmets, Making. Le G. Daly. 2,423,076; July 1.
Holder assembly, Crystal. S. A. Bokovoy and K. K. Garrison. 2,423,081; July 1.
Hydraulic brake. E. F. Loweke. 2,423,331; July 1.
Hydrocarbon fractions at substantially wellhead pressure, Recovering desirable petroleum. L. S. Reid. 2,423,156; July 1.
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Hydrocarbon products free from volatile sulphur compounds, Production of gaseous. C. O. Hoover. 2,423,238; July 1.
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Hydrocarbons, Cyclizing. E. T. Layng. 2,423,328; July 1.
Hydrocarbons from styrene with acetic acid, Azeotropic distillation of other aromatic. E. H. Smoker. 2,423,412; July 1.
Hydrocarbons, Production of aromatic. R. M. Cole. 2,423,176; July 1.
Hydrophone selecting system. J. B. Retallack. 2,423,119; July 1.
Ice block upending machine. P. H. Muller. 2,423,251; July 1.
Ice-cream cabinet. R. J. Sharp. 2,423,207; July 1.
Ignition apparatus for liquid fuel fired furnaces. E. G. Simmons. 2,423,410; July 1.
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Indene phenol, Production of an. F. J. Soday. 2,423,415; July 1.
Indicator: *See*—
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Inner tubes, Method and apparatus for manufacturing. D. J. Hinman. 2,423,147; July 1.
Insecticides. F. E. Babbini. 2,423,284; July 1.
Inserted blade cutter. B. K. Stuber. 2,423,419; July 1.
Isoparaffins, Alkylation of. A. A. O'Kelly, R. H. Work, and J. Plucker, III. 2,423,401; July 1.
Joint for fishing rods, Lock. C. M. Hunt. 2,423,319; July 1.

Knitting guide, Yarn. L. G. Vanselow. 2,423,211; July 1.
Lactams, Manufacture of. R. W. Moncrieff and D. P. Young. 2,423,200; July 1.
Lapping machine. M. Ramsay. 2,423,118; July 1.
Latch. B. R. Thiele. 2,423,352; July 1.
Lathe for turning drill shanks. R. Craig. 2,423,376; July 1.
Lime product and making the same, Hydrated. L. J. Minnick. 2,423,335; July 1.
Limiter, Signal peak. R. M. Sprague. 2,423,263; July 1.
Line-spacing mechanism for typewriters, Differential. P. W. Woodgate. 2,423,430; July 1.
Lock slider, Double-pull automatic. F. Ulrich and O. Scheuermann. 2,423,210; July 1.
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Machine tool. E. P. Bullard, III, and F. H. Mussler. 2,423,223; July 1.
Measuring instrument, Electrostatic potential. J. Handley. 2,423,100; July 1.
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Measuring system, Distance. C. W. Earp. 2,423,088; July 1.
Meter: *See*—
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Microscope, Image projecting comparison. K. Butscher. 2,423,370; July 1.
Mold for casting, Temperature control. R. J. Miller. 2,423,151; July 1.
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Mop or broom rack. C. H. Brown. 2,423,292; July 1.
Motor, pump, and the like, Rotary. F. A. Talbot. 2,423,271; July 1.
Mounting attachment for cameras, Universal. G. H. Aubey. 2,423,282; July 1.
Multiple recording apparatus. J. A. Pellettere. 2,423,340; July 1.
N¹-carboxyacyl-metanilamides. M. L. Moore and T. M. Immediata. 2,423,108; July 1.
Nail, Coated. W. E. Boak. 2,423,171; July 1.
Necktie. F. Wagner. 2,423,133; July 1.
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Nitronaphthenes, Reduction of. T. F. Doumani and C. S. Coe. 2,423,180; July 1.
Nozzle adapter. E. J. Housekeeper. 2,423,239; July 1.
Oil filtration. C. C. S. Le Clair. 2,423,329; July 1.
Oils, Electrical insulating. F. J. Soday. 2,423,413; July 1.
Olefine having the styrene structure as a nucleus, Purifying an aryl. C. W. Jordan. 2,423,389; July 1.
Operating mechanisms. C. W. Wandrey. 2,423,275; July 1.
Optical axis of a quartz crystal, Determining the. R. J. Watrobski. 2,423,357; July 1.
Optical system for periscopes. J. M. Strang. 2,423,267; July 1.
Ore reclaiming machine. L. C. Wren. 2,423,279; July 1.
Oscillator of the cavity resonator type, Ultra high frequency. J. M. Lafferty. 2,423,327; July 1.
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Panel, Sound deadening. L. T. Milnor. 2,423,199; July 1.
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Pencil pointer. E. Yondorf. 2,423,280; July 1.
Pessary. C. C. Waterbury. 2,423,356; July 1.
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Petroleum emulsions, Breaking. C. M. Blair, Jr., and D. M. Schulz. 2,423,364; July 1.
Phenyl and substituted phenyl acrylates and their polymers, Manufacture of. E. M. Filachione and C. H. Fisher. 2,423,089; July 1.
Photoelectrically controlled light polarizing element. S. C. Hurley, Jr. 2,423,321; July 1.
Photoelectromotive force cell of the silicon-silicon oxide type and making the same. G. K. Teal. 2,423,125; July 1.
Photographic emulsions containing sensitizing dyes. A. W. Anish and L. C. Hensley. 2,423,217; July 1.
Pickling and of recovering pickling agent. A. W. Hixson and R. Miller. 2,423,385; July 1.
Pickup, Electrostatic. C. M. Sinnett. 2,423,208; July 1.
Pile driver, Portable. W. R. Fairchild. 2,423,301; July 1.
Pinball device, Miniature. A. Shulkin. 2,423,409; July 1.
Pipette, Safety. E. L. Brady and L. E. Glendenin. 2,423,173; July 1.
Pistol, Water. J. W. Arpin. 2,423,220; July 1.
Plug for sand boxes or containers, Blowhole. A. H. Peterson. 2,423,341; July 1.
Polartoscope. E. Carranza. 2,423,371; July 1.
Polycyclic diketopyrimidines. A. W. Anish. 2,423,218; July 1.
Polymethylene diguanamines. J. T. Thurston. 2,423,353; July 1.
Poultry, Process and apparatus for treating. E. M. Davis. 2,423,299; July 1.
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Pressure restricting device. P. H. Phillips. 2,423,155; July 1.
Printing machine. N. J. Pantazakos. 2,423,112; July 1.
Propeller. H. J. Nichols. 2,423,400; July 1.
Pull apart separable fastener. L. H. Morin. 2,423,202; July 1.
Pulse producing system. W. A. Fitch. 2,423,304; July 1.
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Pump mechanism, Fuel injector. M. E. Chandler. 2,423,373; July 1.
Pumping mechanism, Pneumatic. C. M. O'Leary. 2,423,111; July 1.
Punch and die mechanism. R. Feitl. 2,423,423; July 1.
Push-pull switch. D. W. Johnson. 2,423,387; July 1.
Rack: *See*—
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Radioactivity of liquids intended for injections, Retaining the. S. Klinghoffer. 2,423,240; July 1.
Radio controlled pilot system. F. L. Moseley. 2,423,336–7; July 1.
Radio navigational system. H. Fletcher. 2,423,305; July 1.
Rail for baby carriages, Guard. D. P. Griffin. 2,423,311; July 1.
Reaction product of phenyl mercury salts with hydroxy alkyl amino compounds and their preparation. F. J. Sowa. 2,423,121; July 1.
Receptacle: *See*—
Safety delivery receptacle.
Rectifiers, Contact. W. Fiore and C. A. Kotterman. 2,423,091; July 1.
Reel: *See*—
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Reflectometer for transmission lines and waveguides. N. I. Korman. 2,423,390; July 1.
Reflectometer, Nonfrequency-selective. C. G. Sontheimer and N. I. Korman. 2,423,416; July 1.
Refrigerating system, Two-temperature. E. F. Hubacker. 2,423,386; July 1.
Refrigeration apparatus, Steam jet. W. G. Fraser, Jr., and G. C. Taylor. 2,423,307; July 1.
Regulating system, Steam boiler. J. Loumiet et Lavigne. 2,423,397; July 1.
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Voltage regulator.
Relay, Electric. O. I. Price. 2,423,116; July 1.
Relay, Electromagnetic. W. H. D. Yule. 2,423,135; July 1.
Relief valve. L. L. Aspelin. 2,423,281; July 1.
Resin, Chlorinated furane. J. Delmonte. 2,423,139; July 1.
Roller for belt conveyors, Idler. A. Searles and C. A. Swartz. 2,423,407; July 1.
Romper, Infant's. B. J. Peterson. 2,423,403; July 1.
Roofing, Lap joint prepared. G. A. Fasold and W. V. Leibrook. 2,423,302; July 1.
Rotary turret selector. D. H. Mitchell. 2,423,152; July 1.
Rotatable electric connector. M. R. Weissman. 2,423,276; July 1.
Rubber articles, Manufacture of ornamented. E. Gottschalk. 2,423,143; July 1.
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Sampling apparatus, Automatic. V. C. Lorenz. 2,423,242; July 1.
Scaffold. L. Aune. 2,423,167; July 1.
Screen printing table. J. B. Kozloff. 2,423,391; July 1.
Screw driver. T. D. Crawford. 2,423,296; July 1.
Self-propelled vehicle. A. S. Stokes. 2,423,266; July 1.
Sewing machine. E. N. Simmons. 2,423,259; July 1.
Shear plates for electric shavers, Making. W. Cunliffe. 2,423,177; July 1.
Shoulder pad. A. Barritz. 2,423,168; July 1.
Shovel, Overhead. F. P. Lawler. 2,423,193; July 1.
Signaling system, Electrical. W. Poullart. 2,423,115; July 1.
Signaling system with remote control, Electrical. C. De Vriendt and C. De Zeeuw. 2,423,077; July 1.
Snatch block. A. G. Frankhouser. 2,423,142; July 1.
Spectacle case. E. Nathan. 2,423,338; July 1.
Spectacles and filters therefor, Combined. S. R. Thornton. 2,423,272; July 1.
Spreader stoker apparatus. D. J. Mosshart. 2,423,110; July 1.
Spring cover. N. E. Shockey. 2,423,159; July 1.
Station for telephone systems, Subscriber's. C. M. Theillaumas. 2,423,127; July 1.
Still with vapor separator. J. S. Rowntree. 2,423,205; July 1.

Styrene, Purifying. C. W. Jordan. 2,423,388; July 1.
Sulfonated reagents in magnetic recovery of iron ores, Agglomeration by. E. C. Herkenhoff. 2,423,314; July 1.
Supercharger for internal combustion engines, Exhaust-driven. P. H. Stokes, L. S. Greenland, and C. A. Pugh. 2,423,417; July 1.
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Electric switch.
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Two-position switch.
Switch for telecommunication systems, Selector. F. Van Laethem. 2,423,131; July 1.
Switching device in wave guide transmission system. W. A. Tyrrell. 2,423,130; July 1.
Switching system, Automatic. F. P. Gohorel. 2,423,098; July 1.
Synchronizing device. L. Devaux. 2,423,086; July 1.
System for measuring frequency deviations. R. Koechlin. 2,423,103; July 1.
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Table construction. W. H. McDonald. 2,423,247; July 1.
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Tall oil, Treating. J. Harwood and E. F. Binkerd. 2,423,236; July 1.
Tape, Method and apparatus for making zipper. B. Crompton. 2,423,298; July 1.
Tar separated from tar-water emulsion, Residual. E. L. Hall and H. R. Batchelder. 2,423,424; July 1.
Target butt, Archery. C. A. Saunders. 2,423,347; July 1.
Telecommunication system employing voice frequency current for selective signaling. M. den Hertog and E. P. G. Wright. 2,423,084; July 1.
Telephone system, Interurban. C. F. Stewart and G. J. M. Penet. 2,423,123; July 1.
Testing machine, Rotating beam fatigue. A. Sonntag. 2,423,349; July 1.
Tetrahydrophthalic anhydrides, Preparation of. H. L. Gerhart and L. M. Adams. 2,423,234; July 1.
Textile fabric and producing same. G. Bloch. 2,423,366; July 1.
Textile machines, Checking and controlling the operation of. F. Lambach. 2,423,105; July 1.
Textiles, Pretreatment of noncellulosic. J. D. Pollard. 2,423,429; July 1.
Textiles with melamine formaldehyde resin, Pretreatment of cellulosic. J. D. Pollard. 2,423,428; July 1.
Thermostat control, Cooling system. S. C. and N. B. Earley, E. J. Sanders, W. C. Skareen, R. L. Davies, and J. A. Hughes. 2,423,140; July 1.
Thiocyanates, Treatment of organic. J. N. Borglin. 2,423,291; July 1.
Thiuram disulfides, Manufacture of. L. A. Gillette. 2,423,310; July 1.
Timer, Electric. L. L. Holmes, Jr. 2,423,316; July 1.
Tongs, Pivoted jaw latch-grip pipe. O. V. Jones. 2,423,326; July 1.
Tool having attached bit removers, Hammer type weld cleaning. J. C. Honhart. 2,423,189; July 1.
Toy airplane equipment. S. R. Gerbino and D. E. Whitney. 2,423,380; July 1.
Toy, Mechanical. D. R. McClure, Jr. 2,423,198; July 1.
Transmission, Frequency modulation light beam. M. Rettinger. 2,423,254; July 1.
Transmission line. G. D. Forbes and H. Shapiro. 2,423,306; July 1.
Transmission, Variable-speed. J. T. Janette. 2,423,323; July 1.
Truck, Railroad car. K. M. Hamilton. 2,423,313; July 1.
Truss. G. C. Welter. 2,423,215; July 1.
Tube cleaner with flushing means, Fluid operated. D. E. Schott and D. H. Crepeau. 2,423,257; July 1.
Tube fitting. J. F. Stephens. 2,423,122; July 1.
Tube of the resonator type, Ultra high frequency. H. J. McCarthy. 2,423,426; July 1.
Tubing, Extrusion of. C. E. Slaughter. 2,423,260; July 1.
Turbine type jet propulsion. A. G. Forsyth. 2,423,183; July 1.
Two-position switch. M. L. Glogau. 2,423,381; July 1.
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Equalizing valve.
Relief valve.
Valve arrangement. R. K. Sedgwick. 2,423,120; July 1.
Valve assembly, Balanced. J. A. Lauck. 2,423,393; July 1.
Variable stroke hand pump. O. M. Summers. 2,423,162; July 1.
Vehicle: *See*—
Front drive toy vehicle.
Self-propelled vehicle.
Vehicle, Making a water dispersible coating. G. E. Ellerman. 2,423,230; July 1.
Vending machine. J. E. Stewart. 2,423,265; July 1.
Vinyl cyanide from acetylene and HCN. B. W. Howk. 2,423,318; July 1.
Voltage regulated rectifier circuit. J. A. Potter. 2,423,114; July 1.
Voltage regulator. J. M. Brumbaugh. 2,423,368; July 1.
Waterproof material, and its production, Flexible. E. H. Colesworthy. 2,423,294; July 1.
Welder handle. V. R. Johnson and L. W. Wachter. 2,423,324; July 1.
Welding apparatus, Electric. G. Gilliver. 2,423,096; July 1.
Wheel trenching machine. G. A. Vaughn. 2,423,132; July 1.
Windrower attachment. H. J. Fienhold. 2,423,303; July 1.
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Work support. J. H. Moore. 2,423,201; July 1.
Wrench: *See*—
Cap removing socket wrench.

CLASSIFICATION OF PATENTS

ISSUED JULY 1, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 8: 2,423,320
80: 2,423,170
2,423,403
150: 2,423,133
268: 2,423,168
7— 15: 2,423,189
12— 31.5: 2,423,136
2,423,149
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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U. S. GOVERNMENT PRINTING OFFICE: 1947

Official Gazette

UNITED STATES PATENT OFFICE

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U. S. Patent Office

CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Designs	68	No. 147,033 to No.	147,100, inclusive
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Patents expiring: Patent Numbers 1,769,912 to 1,770,372, inclusive, issued July 8, 1930, expire July 8, 1947

Condition of Applications Under Examination at Close of Business June 20, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 147,179; Trade-Mark Division, 13,638. Oldest new case, August 23, 1945; oldest amended, August 14, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 18	*Nov. 30	2945
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Nov. 30	3581
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Feb. 18	Feb. 5	1689
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	*Dec. 17	Feb. 2	3097
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Aug. 23	*Aug. 14	3797
6. SURLE, H., Carbon Chemistry (part)	June 4	May 25	1935
7. HANLIN, GEORGE, Optics, Photography	July 2	July 1	1986
8. IMUS, A. R., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 5	*Nov. 19	3884
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Nov. 19	*Nov. 19	2155
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Feb. 28	Feb. 26	1367
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 23	Sept. 19	826
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 15	Feb. 12	2660
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Oct. 24	*Oct. 16	2250
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 1	May 9	1327
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 15	*Sept. 28	2035
16. LOVEWELL, N. N., Telegraphy; Telephony	Apr. 8	Apr. 19	1326
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 20	Feb. 2	1309
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Oct. 23	*Oct. 26	1643
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 6	Apr. 6	1746
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	*Oct. 31	*Nov. 26	2291
21. THOMPSON, T. J., Textiles	July 22	Sept. 26	912
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Jan. 2	Jan. 7	1843
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	Jan. 16	1104
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 4	Oct. 29	1664
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 8	Jan. 12	1801
26. YOUNG, R. R., Electricity—Generation and Motive Power	*Dec. 11	*Dec. 3	2236
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 1	Feb. 6	2545
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	*Dec. 18	*Nov. 14	1224
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Jan. 29	Feb. 18	2699
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Feb. 28	Feb. 20	2542
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Aug. 2	Aug. 2	1013
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Jan. 10	Jan. 24	2463
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 16	*Nov. 19	3307
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 5	Jan. 25	1406
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Mar. 1	2413
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 26	*Nov. 23	1897
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 8	Mar. 29	1619
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions; Rubber; Ornamentation	May 9	May 21	1370
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 5	*Oct. 3	2718
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 1	Feb. 14	2906
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	*Dec. 18	Apr. 1	758
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	July 16	Aug. 2	1078
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	May 15	July 8	1080
44. HARVEY, L. P., Refrigeration; Preserving	*Nov. 26	*Oct. 8	1412
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 17	*Dec. 20	2412
46. MUSHAKE, W. I., Concentrating, Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 25	Mar. 18	1860
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 2	Mar. 22	3005
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Nov. 26	*Nov. 27	1865
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 23	Mar. 4	1529
50. LEVIN, SAMUEL, Synthetic Resins	May 2	May 2	2628
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 1	Feb. 8	2067
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Mar. 11	Mar. 26	3467
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	*Dec. 17	*Dec. 18	3998
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Mar. 22	Mar. 18	2151
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	*Nov. 19	*Dec. 3	1982
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	May 11	May 24	1385
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Nov. 21	Jan. 5	3251
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Mar. 30	May 17	1328
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Nov. 15	*Oct. 22	2164
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	Apr. 29	2063
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 5	Jan. 7	2857
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Oct. 1	*Oct. 2	4164
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Mar. 1	Jan. 16	2158
64. NASH, F. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	July 10	July 8	1673
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Nov. 2	*Nov. 1	2254
Trade-Marks: MERCHANT, J. H	*June 13	*Nov. 21	13638
Designs: BREHM, G. L. (Acting)	*Mar. 15	†Jan. 4	9100

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

FRANK *v.* HOLLERITH

No. 5,236. Decided February 11, 1947

[159 F.(2d) 774; 72 USPQ 497]

INTERFERENCE—PATENT AND APPLICATION—CONSTRUCTION OF COUNT.

Where count originates in a patent, if any term therein be ambiguous, it must be interpreted in the light of the patent, and a limitation not expressed in the count may not be read into it by construction, nor may an express limitation be disregarded.

SAME—SAME—SAME.

The term "a radial flange on said axle support" *Held*, as a matter of fact, non-ambiguous and as not requiring interpretation; also *Held* to unequivocally require three distinct physical elements, an axle, an axle support, and a radial flange on the axle support.

SAME—SAME—SAME.

Where the count contains the term "a radial flange on said axle support" and appellant discloses a one piece tubular axle having a radial flange and urges that one portion of the axle should be held to constitute an axle and another portion a support therefore, *Held* that the count requires the presence of three distinct parts, and it is improper to make an arbitrary division of an integral member into parts in order to supply the different elements required by the count.

SAME—SAME—PRIORITY.

Record reviewed and *Held* that appellants have no right to make the count in issue and that the award of priority to appellee is affirmed.

APPEAL from the Patent Office. Affirmed.

T. J. Plante (*Vernon A. Dorsey* of counsel) for Frank.

Lloyd W. Patch for Hollerith.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office holding that appellant, because of lack of disclosure, is not entitled to make the count involved in an interference proceeding, and awarding priority to appellee.

The decision of the Board states that the wheel structure described in the count is "particularly intended for airplane use."

The count reads:

1. In combination with a wheel, an axle therefor and a support for maintaining said axle against rotation, bearings adjacent the ends of said wheel for supporting said wheel on said axle for rotation thereabout, a sleeve on said axle between said wheel and said axle support, a radial flange on said axle support, a ring-shaped brake member concentrically disposed about said sleeve, said sleeve being in circumferential engagement with said brake member, a supporting connection between said flange and said brake member, a second sleeve on the opposite end of said wheel splined to said axle, a second radially extending flange on said second sleeve, a second ring-shaped brake member concentrically disposed about said second sleeve, said second ring-shaped brake member being secured to said second radially extending flange, said second sleeve being in circumferential engagement with said second brake member, said bearing structures having inner and outer races, said wheel having shoulders for receiving said outer races for limiting inner movement of said outer races with respect to said wheel, one of said sleeves being in end contact with one of said inner races and the other of said sleeves being in end contact with the other of said inner races, means supported with respect to said axle for clamping said second sleeve against its engaging inner race and for axially moving said wheel to cause other inner race to clamp said first named sleeve against said axle support whereby said sleeves and brake members are maintained in fixed relation with respect to said axle and axle support while at the same time permitting rotation of said wheel.

The brief on behalf of appellant states:

The entire argument as to readability of the count on Frank's disclosure centers on the following excerpt from the count: "a radial flange on said axle support."

In the opinion of the Board, the "radial flange" shown by Frank is not "on said axle support," the Board taking the position that Frank's flange is on the "axle," rather than on the "axle support."

The entire decision appealed from hinges on this single point. Both the Board of Interference Examiners and Hollerith have, in effect, conceded that in all other respects the count is readable upon Frank's disclosure.

Frank maintains that his "radial flange" is, in fact, on the axle support, and therefore meets the terms of the count.

Appellant thus limits the issue to the single question of whether his application discloses one element of the count—that is, a radial flange located on a structure which supports an axle.

The Board held, in effect, that the radial flange disclosed by appellant is located on the axle, not on a structure which supports the axle.

The count originated in a patent, No. 2,296,671, issued to appellee September 22, 1942, upon an application, Serial No. 324,527, filed March 18, 1940, it being the only claim of the patent. It was copied by appellant into his application, Serial No. 473,662, filed January 27, 1943, it being a division of an application, Serial No. 322,881, filed March 9, 1940, which culminated in Patent No. 2,313,223, issued March 9, 1943.

Appellant, being entitled to rely upon the filing date of his original application, is the senior party. His original application was filed ten days before the filing of the application of appellee which culminated in the patent involved in the interference, and, inasmuch as the respective applications were copending, appellee had the burden of establishing priority by a preponderance of the evidence.

The Board rendered two decisions in the case, the second being upon a request for reconsideration. The request was granted and the points therein pressed by appellant were fully discussed, after

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which discussion the Board adhered to its original conclusion.

In both its decisions the Board alluded to a motion presented by appellant to dissolve the interference. In its first decision it said, inter alia:

> The party Frank filed an interlocutory motion to dissolve on the ground that the count does not read on the disclosure of Frank's application. Neither party responding to the order to show cause issued October 13, 1943, this motion was dismissed under the principles set forth in *Holmes and Robinson* v. *Page*, 452 O. G. 3; 1935 C. D. 8. That decision holds, in brief, that an applicant can not provoke an interference with a patent, only to have it dissolved on his own lack of right to make the count, which he should have known previously.

The act of appellant so described was stressed in both decisions of the Board and it is stressed in the brief for appellee before us but, inasmuch as proper determination of the case does not depend upon appellant's apparently inconsistent positions, we deem it unnecessary to dwell upon the act here.

Whatever may have been appellant's original view, it has been conceded, in effect, that if he discloses a radial flange located on the support of an axle he is entitled to prevail; otherwise he must lose.

So, the issue is a narrow and relatively simple one. It involves only physical structure which does not seem to be difficult of determination.

It may be said that since the count originated in the patent of appellee, if any term therein be ambiguous it must be interpreted in the light of the patent. *Wheeler, Hoover, and Dirkes* v. *Kleinschmidt and Colman*, 32 C. C. P. A. (Patents) 975, 994, 149 F.(2d) 161, 65 USPQ 407. Furthermore, a limitation not expressed in the count may not be read into it by construction, nor may an express limitation be disregarded.

The term "a radial flange on said axle support" does not, as as matter of fact, seem to us to be in anywise ambiguous, and, therefore, it does not require interpretation in this proceeding.

As stated, in substance, by the Board, the count unequivocally requires an axle, an axle support, and a radial flange on the axle support. Thus three distinct physical elements must be present. That appellee disclosed these is not questioned.

In the specification of appellant's application no reference is made directly or indirectly to an axle support. In the drawings there is disclosed a member (indicated by the numeral 12) which is described in the specification as a "tubular axle." The member is integral—that is, it is one piece—and it carries a radial flange. Counsel for appellant, in substance, insists here, as finally he insisted before the Board, that one portion of the integral member should be held to constitute an axle and another portion should be held to constitute a support of the axle.

We agree with the holding of the Board that this position is untenable, upon the facts of this case, and we agree that the ruling in the case of *Kreidel* v. *Parker*, 25 C. C. P. A. (Patents) 1242, 97 F.(2d) 171, 37 USPQ 815, relative to an arbitrary division of an integral member into parts, or portions, in order to supply different elements is applicable here.

We have carefully considered the contention on behalf of appellant (as illustrated by what may be called a chart claimed to show the manner in which the integral member—defined in the specification only as a tubular axle—may be divided into portions and thus made to serve the double purpose of showing an axle and a support for such axle) but we are not convinced that the argument is sound.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE POTTS

No. 5,243. Decided February 11, 1947. Petition to rehearing denied March 21, 1947

[159 F.(2d) 873; 73 USPQ 48]

PATENTABILITY—METHOD—FUNCTIONS AND RESULTS DISREGARDED.

Where appellant's method claims embrace the functional statements and statements of alleged results, "in order properly to compare the claims with the prior art, we disregard such statements of function and alleged results," since "these lend nothing to patentability."

SAME—SAME—INDEFINITE—SEC. 4888 R. S.

Where appellant's method claims differ from the prior art in the step of "maintaining conditions of air, light, heat and moisture" and the only description of what those conditions are is the statement that the conditions should be "favorable to the rapid growth of fungi in beds," *Held* that that cannot be regarded as sufficiently definite to meet the requirements of Sec. 4888 R. S.

SAME—SAME—NON-STATUTORY—SEC. 4886 R. S.

Certain claims to a method of converting garbage into a fertilizer which in addition to setting forth the actual conversion steps also included steps of "districting towns," "locating a garbage receiving station in each district" and "utilizing a trucking system in each district for collection and delivery," *Held* drawn to subject matter not patentable within the meaning of Sec. 4886 R. S.

SAME—SAME—AGGREGATION.

Certain claims to a method of converting garbage into a fertilizer which includes steps of finely dividing the garbage, transporting the finely divided material to a stabilizing plant by flowing it through sewers to the plant, and then treating it at the plant, *Held* properly rejected as aggregative.

APPEAL from the Patent Office. Affirmed.

Walter H. Pumphrey and *John B. Brady* for Potts.

W. W. Cochran (*H. B. Ledman* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

The application for patent here involved relates to a process for treating garbage by which the garbage allegedly is converted "into a completely and permanently stabilized product of exceptionally high fertilizer value."

The Primary Examiner rejected all the claims, numbered 1 to 8, inclusive. Appeal was taken to the Board of Appeals. Before that tribunal appellant moved to dismiss as to claims 7 and 8, which motion was granted. The Board affirmed the Examiner's rejection of the other claims and appellant brings the matter before us for review. All six of the claims before us are method claims. The application contains no drawings.

The brief on behalf of appellant states that claim 1 is illustrative. It reads:

> 1. The method of converting garbage into a permanently stabilized fertilizer, which consists first, in finely dividing the garbage to reduce it to a pulpy consistency and thereby condition it for economic transportation and rapid subsequent treatment; second, in delivering the pulp to a stabilising plant by flowing it through sewers leading to the plant and there separating the organic solids from the liquid; third, in bedding the solids in housed-in enclosures at the stabilizing plant to further reduce the liquid content of the material and promote the development of fungi growth therein; and fourth, in maintaining conditions of air, light, heat and moisture, substantially as described in the housings favorable to rapid growth in the beds of stabilizing fungi which reduce the mass to a dry, pulverent, non-odorous material suitable generally for use as a fertilizer.

Claims 2, 3, 4, and 5 are expressly made dependent on claim 1, and no one of them embraces a limitation which requires that it be considered independently of claim 1. We think it apparent that claim 6 may not properly be held patentable unless claim 1 be held patentable, but its phraseology aids in understanding appellant's method and we quote it:

> 6. The method of converting garbage into a permanently stabilised fertilizer, which consists first, in districting towns, cities and other occupied sections and locating a garbage receiving station in each district; second, in utilizing a short haul trucking system in each district for collecting and delivering the garbage to the district garbage station; third, in finely dividing the garbage at each district station to reduce it to a pulpy consistency and flowing the pulp through sewers to a stabilizing plant serving the several district stations; fourth, in dewatering and bedding the pulp in housed-in enclosures at the stabilizing plant to further reduce the liquid content and promote the development of fungi growth therein; and fifth, in maintaining conditions of air, light, heat and moisture, substantially as described within the housings favorable to the rapid growth in the beds of stabilising fungi which reduce the mass to a dry, pulverent, non-odorous material suitable for general use as a fertilizer.

The following patents are listed as references: Wallace, 1,260,103, March 19, 1918; Peck, 1,392,211, September 27, 1921; Fox et al., 1,543,154, June 23, 1925; Cooke, 1,597,724, August 31, 1926; Boggiano-Pico, 1,832,179, November 17, 1931; Fischer, 2,097,454, November 2, 1937; Proctor, 2,285,834, June 9, 1942.

The statement of the Examiner following the appeal to the Board discloses that all six of the claims on appeal were rejected by him on various grounds, viz.: (1) on the Fox et al. patent, (2) as "aggregative," (3) as "functional and indefinite," and (4) as being "drawn to subject matter [newly proposed by amendment] not originally disclosed and * * * not supported by the original disclosure." Further, the phrase "substantially as described" appearing in claims 1 and 6 was "considered to violate R. S. 4888." The statement also discloses that claim 6 was additionally rejected as being "drawn to subject matter not patentable within the meaning of R. S. 4886."

In its decision approving the action of the Examiner, the Board said, inter alia:

> We have carefully considered the claims in the light of the references cited and the Examiner's statement and applicant's brief. * * * The reasons and grounds of rejection are so fully set forth in the Examiner's statement that no amplification appears to be necessary here. * * *.

In a decision responding to a petition for reconsideration the Board said:

> We intended our decision to be understood as affirming the Examiner's rejections of claims 1 to 6 as aggregative, indefinite and as drawn to matter not originally disclosed, and claim 6 as drawn to subject matter not patentable under the statutes and as approving the reasons for these rejections as set forth in the Examiner's statement on appeal.

Appellant's brief asserts, inter alia:

> * * * there was a complete misconception of the [referring to appellant's claims] invention by both the Primary Examiner and the Board, in insisting upon and persisting in construing it according to their own theoretical interpretation and contrary to and in defiance of appellant's showing that both were clearly in error.

Before proceeding to a discussion of the arguments made before us on behalf of appellant, we quote the following from the specification of the Fox et al. patent:

> In a typical embodiment of the invention, the garbage is collected in the usual manner and conveyed to a central point where the grinding or crushing apparatus is located. Any type of grinding machine which will reduce the garbage and other refuse to a finely divided state may be employed. From the grinding machine, the ground garbage is then conveyed to the putrefying tanks. The grinding machine may be located adjacent the tanks and the ground material fed directly into the tanks, or the material may be conveyed after grinding through the ordinary sewer pipes of a city to the sewerage disposal plant in a city where the sewerage is disposed of by putrefaction and treated in the tanks forming a part of the sewerage system. The action of the ground garbage in the putrefying tanks is similar to the action of sewerage disposal. As stated, any type of tank, such as the ordinary septic tank or an Imhoff tank may be employed. The garbage in its divided condition is fed into the tank and the solids separate and enter the sludge chamber at the bottom. The liquid effluent is discharged from the top of the tank in the usual manner and passed over suitable filter beds into a stream or other body of water. The solid matter is allowed to remain in the tank until putrefaction is complete. While the period of putrefaction may vary, we have found in actual practice that a period of about six months is sufficient to cause complete putrefaction of the solid matter. At the end of six months, the sludge formed is tapped from the bottom of the tank at intervals and dried in any suitable manner as by allowing it to form in a bed or on the adjacent surface and dried under the effects of the sun. The dried material may then be employed for fertilizer.
>
> Disposal of garbage in this manner is not accompanied by disagreeable odors and a plant of this character may be conducted at a minimum expense after the initial installation. The cost of the tanks forming a part of the apparatus is less than the cost of an incinerating plant, the labor incident thereto is much less, and the use of fuel is eliminated.

The claim of the Fox et al. patent reads:

> The process of disposing of garbage which comprises reducing it to fine particles by mechanical means, and then passing the finely divided garbage through a sewerage putrefaction system to putrefy it.

The claims of appellant embrace functional statements, and statements of alleged results. These lend nothing to patentability. In order properly to compare the claims with the prior art, we disregard such statements of function and alleged results, and state only the steps which make up the process. In so doing, we conform to appellant's arrangement, as expressed in the claims.

The first step of appellant's process expressed in claim 1, supra, is "finely dividing the garbage." This step is expressed in claim 6, supra, in substantially the same phraseology.

The specification of the Fox et [illegible]atent, supra, teaches the grinding of garbage to "a finely divided state."

The second step of appellant's process expressed in claim 1, supra, seems to be divisible into two parts, viz.: (*a*) "delivering the pulp [which is the finely divided garbage in semiliquid form] to a stabilizing plant by flowing it through sewers leading to the plant," and (*b*) "there separating the organic solids from the liquid." The step is substantially expressed in claim 6.

The Fox et al. patent, supra, teaches that the ground material may be conveyed through the ordinary sewer pipes of a city to the sewerage dis-

posal plant of the city and into tanks where the liquid is separated from the solids.

The third step, as expressed in claim 1, is "bedding the solids in housed-in enclosures at the stabilizing plant." The step is also expressed in claim 6.

Just what is meant by the phrase "housed-in enclosures" which is used in the specification, as well as in the claims, we are unable to determine. The specification makes no explanation of it, nor is there anything to indicate "bedding," or "storage," of solids otherwise than in a tank.

The specification of the Fox et al. patent, supra, teaches depositing the solid matter remaining after steps corresponding to steps 1 and 2 of appellant's process have been taken in a tank where it remains until putrefaction is completed.

The fourth step in claim 1, repeated in substance in claim 6, is "maintaining conditions of air, light, heat and moisture, substantially as described in the housings." We assume the phraseology means maintaining in the housings conditions of air, light, heat and moisture, substantially as described in the specification.

The patent to Fox et al. makes no reference to maintaining conditions of air, light, heat and moisture. So, the patent to Fox et al. does not seem to have anticipated that particular step.

The difficulty confronting appellant relative to that step, however, is that his specification fails to describe "substantially," or otherwise, what the "conditions of air, light, heat and moisture" are. The only matter indicated in the specification seems to be that the conditions should be "favorable to the rapid growth of fungi in beds." That certainly cannot be regarded as sufficiently definite to meet the requirement of R. S. 4888 (U. S. C., Title 35, § 33) that in order to receive a patent the person applying shall file a written description, stating "in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains * * * to make, construct, compound, and use the same."

During the prosecution of the application in the Patent Office appellant, seemingly after a rejection by the Examiner, sought to amend the application in order to include a further statement relative to conditions of air, light, heat and moisture. The proposed amendment was, in effect, denied because, in the opinion of the Examiner, it presented new matter.

That phase of the controversy is not before us, but we have examined the subject matter of the proposed amendment and we can find nothing therein which in reality clarifies the meaning of the original specification.

It may be said at this point that the gravamen of appellant's argument before us as to the rejection upon the patent to Fox et al. is that appellant's process results in the growth of fungi while the process of the Fox et al. patent (and the process described in other of the cited patents) results in the production of bacteria.

The Fox et al. patent does not state what substance the process therein described produces which leads up to the final production of fertilizer; that is, it does not use either the term bacteria or the term fungi. Since the processes, so far as appellant's is understandable, are substantially the same, it would seem probable that the result of the patent process is fungi of the same kind as that of appellant's process. Both bacteria and fungi are vegetable products, and appellant's specification fails to point out any distinction between them. The Examiner aptly stated:

> Applicant argues that his process is far quicker than that shown by Fox and that the latter shows putrefaction by means of bacteria but not fungi. Nowhere in the present specification does applicant show the source of such fungi. Applicant further fails to mention any bacterial action, and in no way shows why his particular putrefaction should be produced by fungi, while that of the prior art is produced by bacteria. The conditions, as far as they are disclosed are exactly the same as those disclosed by Fox or by any one of the other patents showing the fermentation of garbage. Applicant's only positive disclosure is that the garbage is pulped, mixed with ripened sewage sludge, and allowed to ferment. This is not only shown by Fox, but also by each one of the other patents cited.

It does not seem necessary to further discuss the case. From what has been stated, we think it obvious that the appealed claims were properly rejected as presenting nothing patentable over the prior art cited. We also think the rejection upon each of the other grounds hereinabove recited was proper.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MCKESSON & ROBBINS INC.

v.

FIRST TEXAS CHEMICAL MANUFACTURING CO.

No. 5,234. Decided February 11, 1947

[159 F.(2d) 770; 72 USPQ 494]

TRADE-MARKS—OPPOSITION—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Vitamin preparations *Held* to be goods of the same descriptive properties as throat lozenges, because both are pharmaceuticals and are medicinal in character.

SAME—SAME—CONFUSING SIMILARITY—RESOLUTION OF DOUBT.

Though "Ora" is for a deodorant and "Ora-Cel" is for a vitamin preparation, the latter includes the whole of opposer's notation, and since it is obvious that they would reach the same class of customers and be sold from the same shelves and are of the character of goods which are casually purchased without much thought or consideration as to their origin, *Held* that the concurrent use of the respective marks on the goods in question would be likely to cause confusion in the mind of the public, and it has become the settled policy of the law, in circumstances like those at bar, to resolve doubts against the newcomer and bar registration under the confusion clause of the Trade-Mark Act.

SAME—SAME—SAME.

As to the marks "Oraform" and "Ora-Cel", the goods being of the same descriptive properties, *Held* that the marks are sufficiently similar that there would be likelihood of confusion, and appellee, in selecting its mark should have selected one from the wealth of material at hand with less resemblance to the mark of appellant.

SAME—SAME—SAME.

The terms "Ora," "Oraform" and "Ora-Cel" are terms not often used in English speaking circles and therefore under the doctrine of *The Bon Ami Company* v. *McKesson and Robbins, Inc.* 25 C. C. P. A. (Patents) 826; 93 Fed.(2d) 915; 36 USPQ 260, there is more likelihood of confusion than under circumstances where the terms are more frequently used in this country.

APPEAL from the Patent Office. Reversed.

Samuel Herrick for McKesson & Robbins Inc.

Cushman, Darby & Cushman (*William M. Cushman* of counsel) for First Texas Chemical Manufacturing Co.

BLAND, *J.:*

Appellee, First Texas Chemical Manufacturing Co., filed application in the United States Patent Office for the registration of its trade-mark "ORA-CEL," allegedly used in connection with the sale of a vitamin preparation.

McKesson & Robbins, Incorporated, appellant, filed a notice of opposition against the application, based upon its ownership and registration of two trade-marks, "ORA" and "ORAFORM," used since 1927 and 1915 respectively, the first for a deodorant and the latter for throat-pastils.

The Examiner of Trade-Mark Interferences sustained the opposition and held that the applicant was not entitled to register its said mark. Upon appeal, First Assistant Commissioner Leslie Frazer, acting for the Commissioner of Patents, reversed the Examiner's decision and from the Commissioner's holding (65 USPQ 438) appellant has here appealed.

No testimony was taken by either party. The sole issue involved is the likelihood of confusion.

The Examiner, in sustaining the opposition, said in part:

> As to the goods, it is quite true that opposer's throat-pastils and deodorant are specifically different from applicant's vitamin preparation, and these products have different uses. They are, however, all in the nature of pharmaceutical preparations, and the Examiner is of the opinion that it is a matter of common knowledge that a single concern puts out a wide variety of such products which have specifically different characteristics and uses; in fact, such divergence is illustrated by opposer's deodorant and throat-pastils. It is believed therefore that purchasers of the goods of the parties might readily ascribe a common source of personal origin thereto, and hence these goods are deemed to be of the same descriptive properties within the meaning of the Trade-Mark Act.
>
> As to the marks, applicant's notation "Ora-Cel" includes the whole of opposer's notation "Ora," merely adding the syllable "Cel" thereto in hyphenated form. Under these circumstances it is believed that the concurrent use of the respective marks on the goods in question might reasonably lead to confusion in trade despite the specific differences in the goods as above indicated.

The Commissioner, in his decision, said:

> I am clearly of the opinion that opposer's deodorant, which is admittedly in the form of a cream, does not have the same descriptive properties as a vitamin preparation in any form. The similarity of the marks under which the two items are sold is thus immaterial. *General Mills* v. *Freed*, 24 C. C. P. A. 1171, 89 Fed.(2d) 664, [33 USPQ 386].
>
> Broadly speaking, throat lozenges and vitamin preparations are probably of the same descriptive properties, not merely because both are pharameuticals, but because both are medicinal in character. Cf. *The Vitab Corporation* v. *The Knox Co. et al.*, 31 C. C. P. A. 1205, 143 Fed. (2d) 883, [62 USPQ 276]. However, they differ so widely in composition, and in the purposes for which they are intended to be used, that I am unable to believe, in the absence of any evidence on the subject, that their sale under slightly similar trade-marks would be likely to cause confusion. "Oraform" and "Ora-Cel," each considered in its entirety, do not look alike, sound alike, or suggest the same idea. It may be that their concurrent use on identical merchandise would be unwarranted, because of the common occurrence of the first three letters. But the goods to which they are here applied are not even closely related.

It is observed that the Commissioner held that the lozenges and vitamin preparations were probably of the same descriptive properties, both being medicinal in character, but that since they differed so widely in composition and in the purposes for which they were intended he was of the opinion that, although the marks were "slightly similar" there would be no likelihood of confusion; that the terms "ORAFORM" and "ORA-CEL" did not look alike, sound alike, or suggest the same idea, and that while concurrent use of the two marks on identical merchandise would be unwarranted, their concurrent use on the goods of the respective parties, which "are not even closely related," would not be likely to cause confusion.

It is our view that the Examiner's holding was proper and should not have been reversed.

It may be that there are many articles sold in drug stores or by the manufacturers of pharmaceuticals, medicinals and chemicals that differ so widely in their essential characteristics as not to be of the same descriptive properties within the meaning of the Trade-Mark Act of February 20, 1905, but, as is indicated by most modern decisions involving the question, it has become the settled policy of the law, in circumstances like those at bar, to resolve doubts against the newcomer and bar registration under the confusion clause of said Trade-Mark Act.

As to the two marks, "ORA" and "ORA-CEL," as was pointed out by the Examiner, the appellee has taken all of appellant's mark and, notwithstanding the fact that "ORA" is for a deodorant and "ORA-CEL" is for a vitamin preparation, it is obvious that they would reach the same class of customers and be sold from the same shelves and are of the character of goods which are casually purchased without much thought or consideration as to their origin. It is a matter of common knowledge (and is also indicated by the facts at bar and the recitations of facts in many decided cases similar to that at bar) that many different kinds of medicinal and pharmaceutical articles are produced and marketed by the same concern and that the concurrent use of similar marks upon such goods would be likely to cause confusion in the mind of the public as to who was the producer or seller of them.

As to the marks "ORAFORM" and "ORA-CEL," the goods are more closely related and the marks are sufficiently similar as to permit of a reasonable doubt on the question of the likelihood of confusion. This and other courts have frequently said that it was the chief purpose of Congress, in enacting the Trade-Mark Act, to protect the public against confusion as to the origin of goods; that those who adopt trade-marks should seek to distinguish their goods from those of others, and that if there were any doubts on the question they would be resolved against the newcomer. We have no doubts in the instant case about there being a likelihood of confusion under the circumstances stated, and appellee, in selecting its mark, should have selected one from the wealth of material at hand with less resemblance

to the mark of appellant. *Skelly Oil Co.* v. *The Powerine Co.*, 24 C. C. P. A. (Patents) 790, 84 F.(2d) 752, 32 USPQ 51.

It is noted that the terms "ORA," "ORAFORM" and "ORA-CEL" are terms not often used in English-speaking circles and therefore, under the doctrine of *The Bon Ami Company* v. *McKesson and Robbins, Inc.*, 25 C. C. P. A. (Patents) 826, 93 F.(2d) 915, 36 USPQ 200, there is more likelihood of confusion than under circumstances where the terms are more frequently used in this country.

While it is frequently said that decisions of courts are not very helpful and are rarely controlling on questions like that at bar, it is deemed proper to refer to the following cases which indicate the trend of judicial holdings on the likelihood of confusion in connection with trade-mark registrations: *The William S. Merrell Co.* v. *The Anacin Co.*, 27 C. C. P. A. (Patents) 847, 109 F.(2d) 339, 44 USPQ 366; *Rosengart, Etc.* v. *Ostrex Company, Inc.*, 30 C. C. P. A. (Patents) 1046, 136 F.(2d) 249, 57 USPQ 543; *The Vitab Corporation* v. *The Knox Company and Endo Products, Inc.*, 31 C. C. P. A. (Patents) 1205, 143 F.(2d) 883, 62 USPQ 276; *Schering & Glatz, Inc.* v. *Sharpe & Dohme, Inc.*, 32 C. C. P. A. (Patents) 827, 146 F.(2d) 1019, 64 USPQ 394.

An important decision is that of *McKesson & Robbins, Inc.* v. *American Foundation for Dental Science*, 32 C. C. P. A. (Patents) 1235, 150 F.(2d) 420, 66 USPQ 252, involving the marks "DENT-A-MIN" and "CYTAMIN." The court there said:

> Unquestionably the products of both parties are medicinal preparations. They are both adapted for internal use in the treatment of dietary deficiencies, and as such, in our opinion, clearly possesses the same descriptive properties contemplated by the Trade-Mark Act.
>
> As to the marks, they differ only in the first syllable. Both are coined expressions and in our opinion their concurrent use on the goods of the parties would be likely to cause confusion in the mind of the purchasing public both as to origin and as to the goods themselves.
>
> These are many cases in which trade-marks possessing greater dissimilarities than those here involved were held to be confusingly similar as applied to goods of the same descriptive properties. There is no necessity for citing trade-mark cases, however, * * *.

We hold that the mark, the registration of which was applied for by appellee, should not have been held registrable and that the decision of the Examiner was sound and should not have been reversed. The decision of the Commissioner is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE CROSLEY ET AL.

No. 5,237. Decided February 11, 1947

[159 F.(2d) 735; 72 USPQ 499]

PRACTICE—REFERENCE—ALLEGED ACCIDENTAL OR ERRONEOUS DISCLOSURE.

When the publication relied upon clearly discloses the product claimed, but it is alleged that the disclosure is erroneous and merely accidental and in support of that allegation appellant referred to the fact that a later edition of the same publication made no reference to the product claimed and appellant filed an affidavit stating that in his opinion the processes set forth in the publication would not produce the claimed product, *Held* the disclosure of the product is not merely accidential.

SAME—SAME—ALLEGED INOPERABILITY OF PROCESS OF REFERENCE TO PRODUCE PRODUCT.

"This court is committed to the doctrine that where a product is clearly disclosed in a publication, the operativeness of any of the processes by which it is claimed the product could be produced is immaterial, and that the disclosure of the composition is sufficient to anticipate a claim therefor."

PATENTABILITY—PRODUCT—PURIFIED SODIUM TETRATHIONATE.

Where it is conceded that unpurified sodium tetrathionate had therapeutic value, but that it was unstable, and patentability is urged for the purified product because in such purified condition it is stable and may be stored for long periods of time, *Held* such composition does not involve patentable subject matter, since the purification is but a matter of degree, not a difference in kind (distinguishing from the "aspirin case," *Farbenfabriken of Elberfeld Co.* v. *Kuehmsted* 171 Fed. 887).

APPEAL from the Patent Office. Affirmed.

Davis, Lindsey, Smith and Shonts (*Glen E. Smith* of counsel) for Crosley et al.

W. W. Cochran for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 4 in appellants' application for a patent for an alleged invention relating to sodium tetrathionate in a purified form and containing not more than one molecule of water of crystallization.

Process claims 1, 2, and 3, for preparing stabilized and purified sodium tetrathionate were allowed by the Primary Examiner.

Claim 4 which clearly defines the composition of matter reads:

> 4. As a new composition of matter, purified sodium tetrathionate containing not more than one molecule of water of crystallization.

The reference relied upon is: Gmelin-Kraut "Handbuch der Anorganischen Chemie," Band II abteilung I, page 341 (1906).

It is stated in appellants' application that sodium tetrathionate has therapeutic value and "is ordinarily administered intravenously as an aqueous solution of the salt."

It is further stated in appellants' application that unless the sodium tetrathionate is purified and contains not more than one molecule of water of crystallization, it is not stable for long periods of time.

It is conceded in the brief of counsel for appellants that although sodium tetrathionate containing more than one molecule of water and certain impurities has therapeutic value for certain diseases relating to "the circulation of blood to the extremities of human patients," it was necessary in its unpurified form to prepare it "just prior to administration," whereas in its purified form, as defined by the appealed claim, it may be sealed in sterile ampules for a long period of time.

The appealed claim was rejected by the Patent Office tribunals on the ground that the reference disclosed the composition defined therein.

Subsequent to the Examiner's final rejection, and prior to his statement to the Board, one of the appellants, Albert L. Raymond, introduced into the record an affidavit in which he stated that, in his opinion, the cited reference erroneously referred to the product therein described as an anhydrous sodium tetrathionate, and, in support of his views, referred to the statement therein that the compound "Melts upon gentle heating in its water of crystallization . . .," "whereas an anhydrous material obviously would not have water of crystallization"; that in the 8th edition of the same work which was published in 1928, no reference was made to an anhydrous sodium tetrathionate, although reference is made therein to a process which, it was stated in the reference, produces anhydrous sodium tetrathionate, but which actually produced sodium dihydrate, an impure preparation; and that each of the processes referred to in the reference produced the dihydrate tetrathionate, an impure preparation, instead of the anhydrous sodium tetrathionate, called for by the appealed claim.

Based upon the affiant's opinion, as stated in the affidavit, it was argued before the tribunals of the Patent Office by counsel for appellants and it is argued here, that the reference does not disclose a purified sodium tetrathionate containing not more than one molecule of water of crystallization; and that, therefore, appellants are entitled to a patent for the appealed claim.

In his statement to the Board, the Primary Examiner stated that as the reference disclosed the product defined by the appealed claim, the claim was clearly anticipated. The Examiner also stated that the claim was properly rejected upon the ground that the mere drying of chemical compounds is common practice in the chemical arts and that there is no invention in the "mere concept" of dehydrating a chemical compound.

In affirming the decision of the Primary Examiner, the Board disagreed with the views expressed in the affidavit of the affiant Raymond and stated that the reference not only disclosed the composition defined by the appealed claim but also disclosed a process which produced that composition. The Board agreed with the views expressed by the Primary Examiner that "the broad conception of preparing any inorganic salt in anhydrous condition is not of inventive merit" and in support thereof, cited and quoted from the textbook "Inorganic Chemistry," Hinds, Scientific Press, New York, 1905, wherein it appears that it is common practice in chemistry to dehydrate chemical substances.

The Board also stated in its decision that in view of the record, the production of sodium tetrathionate in a purified form was a mere matter of degree and did not involve invention.

It cannot be seriously questioned that an anhydrous sodium tetrathionate is disclosed in the reference relied upon by the tribunals of the Patent Office. Although the affiant Raymond testified that in his opinion the processes set forth in the reference would not produce such a composition, there is nothing in the affidavit to indicate that he attempted to produce the composition by any of those processes, nor are we able to hold that the disclosure of the composition is merely accidental, as argued by counsel for appellants.

Furthermore, this court is committed to the doctrine that where a product is clearly disclosed in a publication, the operativeness of any of the processes by which it is claimed the product could be produced is immaterial, and that the disclosure of the composition is sufficient to anticipate a claim therefor. *In re John W. Marden and Harvey C. Bentschler*, 18 C. C. P. A. (Patents) 1119, 48 F.(2d) 428, 8 USPQ 515, and cases therein cited; *In re Von Bramer et al.*, 29 C. C. P. A. (Patents) 1018, 1024, 127 F.(2d) 149, 53 USPQ 345.

It is further argued by counsel for appellants that the composition defined by the appealed claim is patentable over the prior art cited because it is in such a purified condition that it is stable and may be stored for long periods of time and administered medicinally without any "loss of its character or effectiveness."

The difficulty with the argument by counsel for appellants is that it is conceded in their brief that unpurified and unstable sodium tetrathionate has therapeutic value, although it is necessary that such a composition be freshly made immediately prior to its administration. It is true, as argued by counsel for appellants, that the composition defined by the appealed claim is stable and, therefore, is more useful professionally and commercially than an unstable sodium tetrathionate. In view of the fact, however, that even in an unstable condition sodium tetrationate has therapeutic value and can be used both professionally and commercially, it is clearly evident that the purification of the composition is but a matter of degree and, therefore, the purified composition does not involve patentable subject matter. Counsel for appellants rely upon the decision in the case of *Farbenfabriken of Elberfeld Co.* v. *Kuehmsted*, 171 Fed. 887. In that case the patent of one Hoffman was involved. It called for a new article of manufacture which was "acetyl salicylic acid" having a formula which is unnecessary here to reproduce. The composition is popularly known as aspirin, a medicinal preparation having well known therapeutic properties.

Prior to the Hoffman patent, acetyl salicylic acid was a well known chemical product. It appears, however, from the record in that case, that the prior art substance was not in a pure state and was not useful as a medicinal preparation; that the patentee Hoffman discovered a method of eliminating certain impurities which made his product useful as a medicinal preparation. In other words, the patentee's product was different in kind from the theretofore known acetyl salicylic acid and the patent was, therefore, held valid.

In the instant case, however, sodium tetrathionate disclosed in the reference, although in an unstable condition, was useful as a therapeutic agent.

It is evident, therefore, that the most that appellant has done is to convert an unstable sodium tetrathionate into a stable condition which makes it more useful as a therapeutic agent. Accordingly, he has

not produced a composition which is different in kind, but one which is different only in degree. Such a composition does not, therefore, involve patentable subject matter.

As stated in the case of *In re Merz*, 25 C. C. P. A. (Patents) 1314, 1317, 97 F.(2d) 599, 38 USPQ 143, referring to the case of *Farbenfabriken of Elberfeld Co.* v. *Kuehmsted*, supra, "Hoffman, the inventor, discovered a new method of purifying this acid [acetyl salicylic acid] and when purified it became a very valuable (and in a patent sense a new) material used extensively for medicinal purposes for which it was in no sense suitable prior to its purification." See also *In re John Wesley Marden and Malcolm N. Rich*, 18 C. C. P. A. (Patents) 1057, 47 F.(2d) 958, 8 USPQ 347.

In view of the fact that appellants' composition does not differ in kind from that disclosed in the reference but only differs in degree therefrom, we are of opinion that the tribunals of the Patent Office reached the right conclusion.

Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HOOVER

No. 5,232. Decided February 11, 1947

[159 F.(2d) 763; 72 USPQ 489]

CLAIMS—LIMITATIONS DISCLOSED BUT NOT CLAIMED.

Limitations not contained in a claim cannot be read therein, although disclosed in the specification, in order to avoid the prior art.

PATENTABILITY—ANTICIPATION.

Where the combination claimed is so broadly drawn as to cover the disclosure of the reference, *Held* the claim cannot be allowed, even though the actual operation of the mechanism of the reference is quite different from the operation of the mechanism claimed by appellant.

SAME—PROPELLERS.

Claim to the combination of a pair of associated propellers with means for changing the pitch when the motor speed varies *Held* so broadly expressed as to define no patentable advance over a prior art patent.

APPEAL from the Patent Office. Modified.

William B. Jasper for Hoover.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

The sole question for determination is whether the Board of Appeals of the United States Patent Office committed reversible error in affirming the action of the Primary Examiner in rejecting claim 14 in appellant's application for a patent for alleged "new and useful improvements in oppositely rotating propellers." The basis of the rejection is that the claim is so broadly drawn as to read upon the disclosure of the patent to Martin et al., No. 2,081,946, issued June 1, 1937.

Twelve claims were allowed by the tribunals of the Patent Office. Four were rejected by the Primary Examiner and four were entered for the purpose of interference. Of the four claims appealed here, appellant has moved in writing to dismiss the appeal as to claims 12, 17, and 18. The motion will be granted. In addition to reliance on Martin et al., the Primary Examiner relied on the patent to Kenney. However, the Board held that the patent to Kenney was not a proper reference. Accordingly, it is unnecessary to consider the disclosure of that patent.

Claim 14, the only claim which requires our consideration, reads:

> 14. In combination, a pair of associated propellers, means for changing the pitch of each of said propellers, the pitch changing means of one propeller comprising a governor controlled mechanism, means for controlling the energization of the pitch changing means of the other propeller, said controlling means comprising two cooperating parts, means for actuating one of said parts only by pitch changing movements of the blades of said one propeller, means for actuating the other part only by pitch changing movements of the blades of the other propeller, said parts having one relative position at which energization of the pitch changing means of said other propeller is always prevented and constructed and arranged so that relative movement of either part causes the blade pitch of said other propeller to change to and bring said cooperating parts into said one relative position.

The subject matter of the rejected claim and the language thereof are highly technical and involve complex mechanism relating to controls, more particularly to controls for airplane propellers. The Board described the invention as follows:

> This invention relates generally to maintaining the motor or motors of an airplane at constant speed by means of the propeller or propellers whose pitch is automatically varied when the speed of the motor or motors deviates from the constant speed desired to be maintained. The references cited are also directed to the provision of mechanism functioning in that way. Applicant discloses mechanism whereby when due to variation of the speed of a motor from the desired constant speed the pitch of a propeller is changed to restore the motor to constant speed the pitch of a second propeller in tandem with the other propeller is also changed for the same purpose.

The Solicitor for the Patent Office in accepting the basis of the controversy hereinbefore stated concedes that the actual operation of the mechanism disclosed by the patent to Martin et al. is quite different from the operation of the mechanism claimed by appellant, but contends that since appellant has drawn claim 14 in such broad and indefinite terms, he is in no position to argue that it was not properly rejected on that reference.

The Solicitor correctly states that limitations not contained in a claim cannot be read therein, although disclosed in the specification, in order to avoid the prior art.

The patent to Martin et al., so far as pertinent, discloses from two to four propellers each of which is operated by an engine for the propulsion of an airplane.

The pitch changing means of each propeller comprises a governor controlled mechanism whereby the speed of the propeller engines are synchronized by means of a unitary hydraulic system in which the hydraulic control mechanism will place the same loading upon the spring of each of the governors. As explained in the specification, if one engine tends to vary its speed with respect to the other engine, its governor will effect pitch adjustment of its propeller to bring that engine back into synchronism with the selected rate of speed.

The disclosure in the patent to Martin et al. also includes an additional governor or cooperating part for controlling the speed of all of the engines by means of a common fluid reservoir provided with a manually actuated piston located on the instrument board of the airplane within convenient reach of the operator. By this hydraulic control system he may simultaneously adjust the speed of all of the governors of the respective engines.

The Board enumerated the respective members of the mechanism and their movements as disclosed by the reference patent, pointing out that the interaction of the two distinct governors through the hydraulic system constituted a movement of each of them by the pitch changing movement of the other which responded to the broad limitation of the rejected claim. The Board also held that parts of two propeller installations when operated by closing the valves have one relative position at which pitch changing is always prevented as called for by the claim.

Upon reconsideration the Board adhered to its original decision and called attention to the fact that the claim does not specify any structure or means to establish the one relative position of two cooperating parts at which pitch changing is prevented.

Appellant contends that the disclosure of the reference patent is not responsive to the terminology of claim 14 in that the reference patent has no elements that bring about a coaction of elements and therefore the reference defines an aggregation and not a combination as called for by the rejected claim.

Each of the two pitch changing means disclosed by the reference patent is controlled by a governor and these governors, as stated by the Board—

> • • • cooperate with each other through a hydraulic system in such a way that when the pitch changing mechanism of any propeller operates to change the pitch of its propeller the governor of that pitch changing mechanism will through the hydraulic system so affect the governor of the pitch changing mechanism of each of the other propellers as to cause these other pitch changing mechanisms to make corresponding adjustment in the pitch of their propellers.

The difficulty with appellant's position is that his claim for a combination cannot be allowed for the reason that it is so broadly drawn as to cover the disclosure of the reference patent and to define no patentable advance over it. *In re Bryson D. Horton*, 19 C. C. P. A. (Patents) 871, 54 F.(2d) 961, 12 USPQ 221; *In re Carr*, 54 App. D. C. 283.

The claim recites no function that is not performed by the mechanism of the reference patent nor is the claim, as are the allowed claims, limited to "oppositely rotating propellers." Moreover, the series of involved relationships called for by the claim do not define subject matter patentable over the cited patent nor disclose any new or useful result.

Claims 12, 17, and 18 are dismissed, and, in the absence of a clear showing of error, the decision of the Board of Appeals will not be overruled as to claim 14. The decision appealed from is accordingly affirmed.

Affirmed.

NOTICES

Public Law 690

RECIPROCITY WITH CANADA, SECTIONS 1 AND 3

Canada has amended its patent law to provide for the extension of time limits for filing and prosecution of patent applications (section 7 of an act assented to May 14, 1947), which provisions are substantially reciprocal to the provisions of sections 1 and 3 of Public Law 690, and will be applied to citizens of the United States on application of Public Law 690 to citizens of Canada.

The United States Patent Office will accordingly apply sections 1 and 3 of Public Law 690 to citizens of Canada.

LESLIE FRAZER,
First Assistant Commissioner.

June 17, 1947.

RECIPROCITY WITH NEW ZEALAND, SECTIONS 1 AND 3

New Zealand has promulgated regulations (Serial Number 1947/70) providing for the extension of the period of priority for filing applications for patents which are substantially reciprocal to the provisions of section 1 of Public Law 690. (These regulations are similar to the rules in Great Britain, see 597 O. G. 458.) Extensions of time other than the period of priority have been and are being accorded citizens of the United States under Regulation 8 of Emergency Regulations, 1940.

The United States Patent Office will accordingly apply sections 1 and 3 of Public Law 690 to citizens of New Zealand.

LESLIE FRAZER,
First Assistant Commissioner.

June 17, 1947.

Disclaimer

2,113,164.—*Albert J. Williams, Jr.*, Philadelphia, Pa. RECORDER AND CONTROL CIRCUITS. Patent dated Apr. 5, 1938. Disclaimer filed June 2, 1947, by the assignee, *Leeds and Northrup Company*.

Hereby enters this disclaimer to claims 37, 41, 42, 44, 48, 49, 50, 51, 52, and 71 of said patent.

Interference Notice

Cecil R. Cook, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ed. Harter, Inc., 1435 Dorr St., Toledo 7, Ohio, for registration of a trade-mark and trade-mark registered June 23, 1936, No. 336,087, to Cecil R. Cook, 527 S. Rampart, New Orleans, La., and the notice of such declaration sent by registered mail to said Cook at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cook, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

June 17, 1947

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,396,771. FOUNTAIN PEN. Patented Mar. 19, 1946. Pen devoid of screw threads is leakproof when cap is locked on. When cap is placed on pen the ends of a pair of opposed locking fingers in the cap snap behind a collar on the writing end. When cap is to be removed a push button on the end of the cap releases the fingers. A spring in the cap is disposed between the button and a sealing plunger which surrounds the pen point. (Owner) Dara H. Brinson, Sr., 514 Fifth St., Annapolis, Md. Group 39—51. Reg. No. 5,896.

Pat. 2,398,939. SALT AND SUGAR OVEN. Patented Apr. 23, 1946. Electric heater has a shallow base with vertical housing so that a salt shaker and sugar bowl may be removably placed in the housings to dry the contents when necessary. A switch is provided for regulating the heat to a high, medium, or low degree and shutting off the current. (Owner) Clyde H. Horn, 5102 Timuquana Road, Jacksonville, Fla. Groups 36—21; 40. Reg. No. 5,897.

Pat. 2,415,266. BODY OR FOOTREST. Patented Feb. 4, 1947. Adjustable foot or back rest for bed patients permits a limited amount of exercise. When used as a foot rest it is adapted to support weights and cables for holding a patient's leg in elevated position, or one leg may be elevated and the other may rest on the mattress with the foot against the back plate of the device. When used as a back rest, the back plate may be adjusted to numerous positions of angularity, the plate either being supported at various elevated positions, or with its edge resting on the mattress. When not in use rest may be converted into a stand or table. The rest includes an adjustable, sectionalized, telescoped standard with a back plate pivotally and swingably mounted on a slidable collar on one end of the standard and a U-shaped prop for detachable and adjustable connection to the place. (Owner) R. R. Temple, Brodnax, Va. Group 39—16. Reg. No. 5,898.

Pat. 2,415,811. SEMIAUTOMATIC RIVETING DEVICE. Patented Feb. 18, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Riveting device adapted to be bolted to a work table or other support is particularly intended to head a pair of rivets simultaneously, although equally operable for heading a single rivet. A manually operated lever is provided for simultaneously controlling operation of the pneumatic hammer mechanism and rotating the rivet headers to form suitable heads during the riveting operation. This lever is connected by a chain to the throttle valve of the hammer and its inner end is operatively connected to three gears. A movable clamp, operated by another hand lever, holds the studs on which the heads are formed. (Owner) John F. Cote, 15 Snow's Court, Dover, N. H. Group 35—42. Reg. No. 5,899.

Pat. 2,091,882. SECURING DEVICE. Patented Aug. 31, 1937. Connector for two bodies wherein one has a portion inserted into an opening in the other, as for example, a rung to a chair leg or ladder. It is concealed from view and eliminates the use of glue or other adhesives. Connector comprises a tubular member with teeth encircling each end and a cammed spreader pin for insertion therein. The tubular member is slitted longitudinally to divide it into a plurality of separable sections. The connecter is inserted into a recess in the end of a rung and when the rung is driven home into an opening in another member, the cammed spreader pin separates the section causing simultaneous penetration of the teeth into the side walls of the recess and opening. (Owner) Guilford D. Robinson, 222 West Main St., Gowanda, N. Y. Groups 25—11—21; 39—99. Reg. No. 5,900.

Pat. 2,262,130. WALL TIE. Patented Nov. 11, 1941. This tie is formed of a bendable and transversely corrugated strip. One end of the strip is bent over a headed nail which loosely passes through an opening provided for that purpose and the other end is bent to form a hook. The tie is used to bond in place wood sheathing and brick veneer or to tie together the bricks involved in a multiple brick wall. When the strip is embedded in mortar, the corrugations of the strip effect a wedging action to resist any strain that exists between the sheathing and the veneer. The hook end of the strip provides a permanent anchorage to prevent the withdrawal of the tie once embedded in the mortar. (Owner) Joseph C. Bagley, 1410 Range St., Selma, Ala. Group 38—73. Reg. No. 5,901.

Pat. 2,407,845. ALIGNING DEVICE FOR TOOLS. Patented Sept. 17, 1946. This patent describes an indicating attachment for hand or power tools such as drills, reamers, taps, portable sanders, saws, etc., to facilitate the positioning of the tool. The attachment comprises a bracket having a slidable tube and a work-contacting foot member. The tube and work-contacting member are pivotally connected by a hollow ball-and-socket joint. The tubular member is provided with a translucent screen at its upper end and a small electric bulb is positioned within the hollow joint. When an aperture in each of the parts is aligned, a narrow beam of light is projected to the center of the screen. Thus the operator may determine and correct any variations in the angle of the tool with respect to the work. (Owner) California Institute Research Foundation, 1201 East California St., Pasadena, Calif. Group 35—43. Reg. No. 5,902.

Pat. 2,410,917. SHORT WAVE DIRECTION FINDER. Patented Nov. 12, 1946. An antenna structure which simultaneously determines both the horizontal and vertical components of the direction of an incoming radio wave. The apparatus is used to accurately follow the flight of a balloon carrying temperature and pressure indicating instruments connected to a radio transmitter. The apparatus makes it possible to continuously determine the direction between the radio transmitter (carried by the balloon) and the receiving antenna so that absolute position of the balloon in space may be readily calculated from the altitude of the balloon as shown by its transmitted signals. (Owner) California Institute Research Foundation, 1201 East California St., Pasadena, Calif. Group 36—61. Reg. No. 5,903.

Pat. 2,412,295. MICROBURET. Patented Dec. 10, 1946. A compact and easily operated microburet particularly adapted to analyze extremely small samples of liquid used in microchemical procedures. Comprises a combination of a conventional syringe clamped to a longitudinally slotted barrel having a rotatable drive screw journaled therein. The drive screw has a traveler and a lateral stem to which a slidable bracket is secured. A pair of clips are mounted on the bracket to engage the head of

the syringe and hold it against the underside of the bracket. Movement of the plunger of the syringe and the corresponding movement of the bracket is determined by micrometer scales on the barrel and on the head of the screw. Several syringes containing different liquids used in titration procedures may be used interchangeably. (Owner) California Institute Research Foundation, 1201 East California St., Pasadena, Calif. Group 39—11. Reg. No. 5,904.

Pat. 2,413,282. SAFETY DEVICE FOR STAMPING PRESSES. Patented Dec. 31, 1946. A guard which automatically works concurrently with the operation of a machine with which it is associated and assures against injury to the operator. Consists of a pair of sectional L-shaped guard arms pivotally connected with the moving parts and linked to hangers adjustably connected to the fixed parts of the press. During operation of a punch, for example, the guard arms open in a lateral direction pushing the hands of the operator away from the path of the moving parts and out of danger. The sections of the guard arms may be lengthened or shortened as required. (Owner) Robert L. Aulenback, 4 Philip's Court, Shrewsbury, Mass. Groups 33—73; 35—89. Reg. No. 5,905.

Pat. 1,943,011. FLOAT OPERATED SWITCH. Patented Jan. 9, 1934. This float operated switch is particularly adapted for a fluid level indicator for automobiles. Basically, the switch is mounted on a fuel tank and enclosed within a casing having a flexible wall or diaphragm. The contacts of the switch are brought into engagement or separated by movement of a lever fixed to a diaphragm at one end and to a float at the other. The switch is connected to a signal light on the dashboard and controlled by the ignition lock. When the fuel supply reaches a predetermined point, the signal light is illuminated as a reminder to the operator that the fuel supply is low. The switch is of such construction that it is unaffected by surging of the fuel when the car is in transit. (Owner) John J. Allen, P. O. Box 444, Fort Lauderdale, Fla. Group 38—31. Reg. No. 5,906.

Pat. 2,413,388. RAILWAY TRACK HEATER. Patented Dec. 31, 1946. This patent relates to an oil burner unit which is used to prevent track switches from being clogged and frozen by accumulated ice or snow. The oil burner unit has a blower and a combustion chamber positioned near each rail driven by a single motor and fuel pump unit housed within a casing. The unit may be remotely controlled by a suitable electric circuit. (Owner) Alfred A. Smith, 405 North Highway, Dunsmuir, Calif. Group 37—11. Reg. No. 5,907.

Pat. 2,028,513. DAVIT MECHANISM DEVICE FOR LAUNCHING LIFEBOATS. Patented Jan. 21, 1936. This launching structure is constructed to save deck space. When the lifeboat is in normal or stowed position no part of the structure cuts across or obstructs head room for persons walking or standing on the ship's deck. A fixed track is located at an angle (almost horizontally) at a level above the height of a normally tall person. Another fixed trackway, approximately vertical, extends upwardly a short distance from the deck level, but does not project beyond the ship's side. In combination with the trackways is a movable davit structure comprising a lever arm spanning the gap between and guided by the trackways and a davit proper mounted to move longitudinally upon the lever arm. Powerful movement is effected by gravitational force under control of a fall cable running from a winch through the davit structure to the boat. (Owner) Thomas H. Martin. Address all correspondence to Henry J. Lucke, 12 East 41st St., New York 17, N. Y. Group 37—31. Reg. No. 5,908.

Pat. 2,147,305. DEVICE FOR THE PRESENTATION OF MOTION PICTURES. Patented Feb. 14, 1939. This patent relates to an arrangement whereby projected motion pictures are given a stereoptic effect. The edge of the projected picture is closely bordered by a narrow frame having surfaces which converge forwardly toward a larger frame. Both the narrow frame and the converging surfaces are red in color and illuminated by a red neon tube. When the standard motion picture is projected in the usual manner, the arrangement produces an illusion of space and depth by creating a condition of differing focal adjustment of the eye of the spectator whose eye is directed alternately to the rear frame and to the screen during exhibition of the picture. (Owner) Thomas H. Martin. Address all correspondence to Henry J. Lucke, 12 East 41st St., New York 17, N. Y. Group 39—12. Reg. No. 5,909.

Pat. 2,410,343. CONCRETE FLOAT. Patented Oct. 29, 1946. A concrete float or trowel having a working face which penetrates coarse aggregate below the trowelling surface so that fine aggregate or fluid content find their way to the surface to provide a better trowelling condition. The float comprises a wooden block set in a rectangular metal frame so that it is just above the lower edge of the frame. The underface of the block is grooved and fitted with blades which are welded to the frame, the blade edges being flush with the lower edge of the frame. A socket and handle complete the float. (Owner) William S. Haivala, Box 6, Richmond Beach, Washington. Group 33—51. Reg. No. 5,910.

Pat. 2,374,163. ORTHOPEDIC APPLIANCE. Patented Apr. 24, 1945. An appliance for treating fractures of the arms or legs. Adapted to be clamped to a hospital bed, the appliance includes an overhead track and carriage arrangement which support a number of universal splints. Each splint is a self-contained unit which, by itself, maintains tension and alignment on a fractured member. Because of its construction, the splint may be detached from its support allowing a patient to be placed in a wheelchair without danger of interfering with the tension of the splint. Slippage and tension are registered on an indicator so that required adjustments may be readily made by an attendant. (Owner) Frederic F. Burchsted, 16 Story Ave., Beverly, Mass. Group 39—16. Reg. No. 5,911.

Pat. 2,415,215. STROBOSCOPIC TUNING APPARATUS. Patented Feb. 4, 1947. A device for tuning musical instruments comprising a rotating member with several groups of symbols representing tones of the musical scale. This makes up a black and white pattern corresponding to 12 tones in a chromatic octave. A microphone is coupled to an amplifier and the output fed into a neon tube illuminating the revolving pattern. The apparatus translates sound vibrations into electric current vibrations. The neon tube is energized at the same frequencies as the sound vibrations. (Owner) J. H. Mayberry, 3122 Lawrence Drive, Corpus Christi, Tex. Group 36—62. Reg. No. 5,912.

Pat. 2,415,049. OSCILLATOR CIRCUIT. Patented Jan. 28, 1947. This invention relates to a high frequency oscillator for a radio with an anti-resonant plate circuit. Operates safely without stoppage of oscillation at exact resonance. Comprises an oscillator with a parallel tuned circuit connected between the anode and cathode of an electron tube. A voltage source is also connected between the anode and cathode through a frequency choke coil. A second anti-resonant circuit is connected between the grid and anode. A condenser is provided between the anode and the tuned circuit to shift the phase of high frequency potentials on the anode with respect to the potentials on plate side of circuit. (Owner) Samuel J. Snyder, 783 Madison Ave., New York, N. Y. Group 36—61. Reg. No. 5,913.

Pat. 1,996,634. WATER HEATER CONTROL SYSTEM. Patented Apr. 2, 1935. This patent provides automatic controls for electric heating units in the upper and lower ends of a hot water tank so that, when excessive demand for hot water substantially empties the tank, a limited and continuous supply may be quickly made available by energizing the top heater only. This heater remains energized until the water in the top of the tank reaches predetermined temperature. During this period the lower heater is deenergized, but as soon as the top heater is deenergized the lower heater becomes energized to heat the water in the tank until it reaches a predetermined temperature. During normal demands for hot water the lower heater functions by itself to maintain the water at predetermined temperature. Only one heater is energized at a time so as to limit maximum input of energy which may be drawn from a supply circuit. (Owner) Westinghouse Electric Corp., Patent Dept., East Pittsburgh, Pa. Group 36—21. Reg. No. 5,914.

Pat. 2,415,436. PHOTOELASTIC BLAST PRESSURE GAUGE. Patented Feb. 11, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A blast pressure gauge for use with a cathode ray oscillograph. Comprises a transparent body in a mass of hardened lead having a surface exposed to blast pressure. Plane polarized light is passed into transparent body in a direction parallel to exposed surface. A photo-electric cell receives the light from the analyzer. A cathode-ray oscillograph controls photo-electric cell for recording the several orders of double refraction produced in body by the component of blast pressure normal to exposed surface. (Owner) Harry B. Maris, 4711 Riverdale Road, Riverdale, Md. Group 39—13. Reg. No. 5,915.

Pat. 2,416,085. VALVE. Patented Feb. 18, 1947. Valve, particularly useful as a water faucet, is designed so that it may be opened and closed without imparting rotary motion to the gasket (or washer) associated therewith, thus greatly prolonging the life of the gasket. The gasket is carried on the lower end of a separately formed valve member which moves axially but does not rotate when the handle of the valve is turned in the usual manner. The valve stem is formed with an enlarged lower end which has an internally threaded bore for rotation around an externally threaded portion of the axially movable member. (Owner) Adelbert G. Carpenter, 407 North H St., Lake Worth, Fla. Group 33—61. Reg. No. 5,916.

Pat. 2,415,588. COMBINATION TISSUE HOLDER AND DISPOSAL RECEPTACLE. Patented Feb. 11, 1947. Device may be carried in handbag or pocket. A roll of tissue is supported by a holder. The holder is hollow so that used tissue may be placed in an opening in one end. A removable lid fits the opposite end. The outer layer of tissue as well as the edges of the roll are protected between flanges on one end of the holder and flanges on the lid. (Owner) Elmer G. Gui, 3738 Florida St., San Diego 4, Calif. Groups 26—99; 39—81; 40. Reg. No. 5,917.

Notice

The United Shoe Machinery Corporation has placed 2,092 patents on the Register of Patents as available for license. About one-fourth of these patents are useful in fields other than shoe manufacturing—among which are sewing machines, cement dispensing devices, and buffing rolls. A brochure containing abstracts of these patents may be obtained from the Commissioner of Patents, Washington, D. C., or from the United Shoe Machinery Corporation, 140 Federal Street, Boston, Mass.

The number and title of these patents will appear in forthcoming issues of the OFFICIAL GAZETTE.

Patents Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER.
Reg. No. 149. Patent 1,933,250. CARRIER BAG.
Reg. No. 150. Patent 1,993,135. INVERSE CAM.
Reg. No. 151. Patent 2,029,418. REFLEX SHUTTER.
Reg. No. 179. Patent 2,302,698. MULTIPLE TISSUE CARRIER.
Reg. No. 538. Re. Patent 22,002. MIXING MACHINE.
Reg. No. 2,577. Patent 2,388,383. SPRING WINDER.
Reg. No. 2,583. Patent 2,356,544. EXTENSIBLE RULE.
Reg. No. 2,926. Patent 2,333,178. GARMENT CLAMP.
Reg. No. 3,390. Patent 2,261,046. ELECTRICAL APPLIANCE CORD HOLDER.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 8, 1947

[VOL. 600. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 493,669. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed Dec. 21, 1945.

ELCOFILT

FOR GRADED SILICEOUS AND OTHER INSOLUBLE, UNREACTIVE GRANULAR MATERIALS FOR USE AS SUPPORTING BEDS FOR OTHER GRANULAR PREPARATIONS, SUCH AS ION-EXCHANGE PREPARATIONS IN ZEOLITE WATER SOFTENERS AND OTHER LIQUID TREATING APPARATUS.
Claims use since on or about Jan. 2, 1945.

Ser. No. 505,612. PACIFIC COAST FIBERS, INC., Los Angeles, Calif. Filed July 13, 1946.



FOR REUSABLE JUNK—NAMELY, WASTE PAPER AND WASTE RAGS IN BUNDLE OR BALE FORM FOR SHIPMENT PURPOSES.
Claims use since Jan. 10, 1946.

CLASS 2

RECEPTACLES

Ser. No. 510,851. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed Oct. 14, 1946. Under section 5b of the act of 1905 as amended in 1920.

Mallinckrodt

FOR PAPER CUPS TO BE USED AS TEMPORARY CONTAINERS FOR SMALL AMOUNTS OF CHEMICALS.
Claims use since Sept. 19, 1945.

Ser. No. 510,997. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Oct. 17, 1946.

BEMAQUATEX

Applicant is the owner of T. M. Reg. 424,440.
FOR PAPER BAGS AND SACKS.
Claims use since Sept. 26, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 511,707. UNITED LUGGAGE COMPANY, INC., New York, N. Y. Filed Oct. 29, 1946.

COMMODORE

FOR VALISES AND SUIT CASES.
Claims use since June 15, 1946.

Ser. No. 514,310. HERBERT J. STERN, doing business as Herbert Stern Co., Boston, Mass. Filed Dec. 14, 1946.

Hall of Fame

FOR LEATHER GOODS—NAMELY, WALLETS.
Claims use since Oct. 26, 1946.

Ser. No. 515,852. E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Jan. 16, 1947.

Key Valet

The word "Key" is disclaimed apart from the mark.
FOR KEY CASES.
Claims use since Jan. 8, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 496,395. NATIONAL GRINDING WHEEL CO. INC., North Tonawanda, N. Y. Filed Feb. 11, 1946.

NATALITE

FOR GRINDING WHEELS, RUBBING BRICKS, GRINDING BLOCKS MADE OF ABRASIVE MATERIALS, IN SQUARE, RECTANGULAR, TRIANGULAR OR ROUND FORM, SEGMENTAL WHEELS, AND STICKS, ALL CERAMIC BONDED WITH ALUMINUM OXIDE OR CORUNDUM ABRASIVE GRAINS.
Claims use since June 1915.

Ser. No. 496,396. NATIONAL GRINDING WHEEL CO. INC., North Tonawanda, N. Y. Filed Feb. 11, 1946.

NATALON

FOR GRINDING WHEELS, RUBBING BRICKS, GRINDING BLOCKS MADE OF ABRASIVE MATERIALS, IN SQUARE, RECTANGULAR, TRIANGULAR OR ROUND FORM, SEGMENTAL WHEELS, AND STICKS, ALL CERAMIC BONDED WITH SILICON CARBIDE ABRASIVE GRAINS.
Claims use since June 1915.

Ser. No. 496,397. NATIONAL GRINDING WHEEL CO. INC., North Tonawanda, N. Y. Filed Feb. 11, 1946.

ONALITE

FOR GRINDING WHEELS, RUBBING BRICKS, GRINDING BLOCKS MADE OF ABRASIVE MATERIALS, IN SQUARE, RECTANGULAR, TRIANGULAR OR ROUND FORM, SEGMENTAL WHEELS, AND STICKS, ALL RESINOID BONDED WITH ALUMINUM OXIDE OR CORUNDUM ABRASIVE GRAINS.
Claims use since January 1924.

Ser. No. 496,398. NATIONAL GRINDING WHEEL CO. INC., North Tonawanda, N. Y. Filed Feb. 11, 1946.

ONALON

FOR GRINDING WHEELS, RUBBING BRICKS, GRINDING BLOCKS MADE OF ABRASIVE MATERIALS, IN SQUARE, RECTANGULAR, TRIANGULAR OR ROUND FORM, SEGMENTAL WHEELS, AND STICKS, ALL RESINOID BONDED WITH SILICON CARBIDE ABRASIVE GRAINS.
Claims use since January 1924.

Ser. No. 505,696. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 16, 1946.

BIOPAL

FOR GERMICIDAL DETERGENTS.
Claims use since May 1, 1946.

Ser. No. 508,002. SHERMAN PERR, Newark, N. J. Filed Aug. 24, 1946.

RATTAN

FOR SHAVING SOAPS, SHAVING CREAMS, AND TOILET SOAPS.
Claims use since June 29, 1946.

CLASS 5

ADHESIVES

Ser. No. 499,587. VELSICOL CORPORATION, Chicago, Ill. Filed Apr. 3, 1946.

VELSICOL

FOR CORE OILS USED AS BINDERS IN MOLDING OPERATIONS.
Claims use since August 1942.

Ser. No. 499,590. VELSICOL CORPORATION, Chicago ,Ill. Filed Apr. 3, 1946.

VELSICOL

FOR CORE OILS USED AS BINDERS IN MOLDING OPERATIONS.
Claims use since August 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 467,166. PLOUGH, INC., Memphis, Tenn. Filed Feb. 4, 1944.

PENETROIL

FOR MEDICINAL LINIMENT FOR RELIEF OF HEAD AND CHEST COLDS, SUNBURN, CHAPPED HANDS, BRUISES, TIRED AND SORE FEET, MUSCULAR ACHES AND PAINS, INSECT BITES, IN FACT, A GENERAL HOUSEHOLD SALVE.
Claims use since Jan. 1, 1914.

Ser. No. 481,432. SAENZ, BRIONES & CIA., Buenos Aires, Argentina. Filed Mar. 28, 1945.

FRU-FRU

FOR PERFUMES, PERFUME EXTRACTS; AND PERFUME LOTIONS FOR EXTERNAL APPLICATION TO THE SKIN FOR PERFUMING THE SAME.
Claims use since Sept. 14, 1942.

Ser. No. 481,433. SAENZ, BRIONES & CIA., Buenos Aires, Argentina. Filed Mar. 28, 1945.

MALMAISON

FOR PERFUMES; PERFUME EXTRACTS AND PERFUME LOTIONS; FOR COSMETIC AND TOILET GOODS USE.
Claims use since Oct. 9, 1943.

Ser. No. 484,617. CLIFTON R. CURTIS, doing business as Beaver Labs, Brookfield, N. Y. Filed June 16, 1945.

B19

FOR MEDICINAL PRODUCT FOR THE TREATMENT OF ATHLETE'S FOOT.
Claims use since June 14, 1945.

Ser. No. 490,738. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Oct. 30, 1945.

PEST-B-GON

Applicant disclaims the word "Pest" apart from the mark.
FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; ANIMAL POISONS, AND ANIMAL REPELLENTS.
Claims use since July 27, 1933.

Ser. No. 492,513. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 1, 1945.

WDB-50

FOR INSECTICIDES.
Claims use since July 26, 1945.

Ser. No. 493,465. WM. T. THOMPSON, doing business as Wm. T. Thompson Company, Los Angeles, Calif. Filed Dec. 17, 1945.

AMITRATE

FOR PROTEIN HYDROLACY PRODUCT USED AS A DIETARY SUPPLEMENT FOR AMINO ACID DEFICIENCIES.
Claims use since Nov. 1, 1945.

Ser. No. 495,461. EVANS CHEMETICS INC., New York, N. Y. Filed Jan. 26, 1946.

THIOVANOL

FOR ORGANIC CHEMICALS—NAMELY, THIOGLYCEROL.
Claims use since Aug. 9, 1945.

Ser. No. 498,298. MIDLAND LABORATORIES, Dubuque, Iowa. Filed Mar. 15, 1946.

M

FOR INSECTICIDES, LIQUID SHAMPOO SOAPS, PIPE AND DRAIN CLEANERS, HOSPITAL DISINFECTANTS AND GERMICIDES.
Claims use since on or about May 1, 1945, on insecticides; since on or about Feb. 28, 1946, on liquid shampoo soaps; since on or about Mar. 1, 1946, on pipe and drain cleaners; since on or about Mar. 4, 1946, on hospital disinfectants; and since on or about Mar. 4, 1946, on germicides.

Ser. No. 499,276. PUREX PRODUCTS, INCORPORATED, Baltimore, Md. Filed Mar. 29, 1946.

HIGH COMMAND

FOR AFTER SHAVE LOTION.
Claims use since June 6, 1945.

Ser. No. 504,198. NEILSON CHEMICAL COMPANY, Detroit, Mich. Filed June 19, 1946.

Galvaprep

FOR CHEMICAL PREPARATION FOR PREPARING ZINC COATED SURFACES TO RECEIVE PAINT.
Claims use since April 1938.

Ser. No. 505,593. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed July 13, 1946.

CALCALAKE-D

No claim is made to the letter "D" apart from the mark.
FOR CAPSULES WHICH PROVIDE THE DAILY THERAPEUTIC DOSE OF CALCIUM.
Claims use since Dec. 15, 1943.

Ser. No. 505,600. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed July 13, 1946.

TOCOFIN

FOR CAPSULES AND SOLUTION CONTAINING VITAMIN E CONCENTRATE.
Claims use since Nov. 1, 1941.

Ser. No. 506,059. DOROTHY PERKINS COMPANY, St. Louis, Mo. Filed July 22, 1946.

CONQUEST

FOR PERFUME AND COLOGNE.
Claims use since June 1932.

Ser. No. 506,577. BRISTOL-MYERS COMPANY, New York, N. Y. Filed July 31, 1946.

DISCREET

FOR DEODORANT AND ANTIPERSPIRANT.
Claims use since December 1940.

Ser. No. 506,665. INDEPENDENT DRUG CO., Jacksonville, Fla. Filed Aug. 1, 1946.

ISAACS No. 808

No claim is made to the word "Isaacs" or the outline of the label apart from the mark. The drawing is lined to indicate the color blue.
FOR PREPARATION USED FOR THE TREATMENT OF BILIOUSNESS.
Claims use since 1923.

Ser. No. 507,158. TEX PRODUCTS, INC., Newark, N. J. Filed Aug. 9, 1946.

SUPER-TEX

No claim is made to the word "Super" apart from the mark.
FOR INSECTICIDES.
Claims use since July 12, 1946.

Ser. No. 507,164. VITA-VAR CORPORATION, Newark, N. J. Filed Aug. 9, 1946.

BYE-BYE-BUG

No claim is made to the word "Bug" apart from the mark.
FOR INSECTICIDE.
Claims use since July 12, 1946.

Ser. No. 507,510. BUNO COMPANY, INC., Philadelphia, Pa. Filed Aug. 16, 1946.

BUNO

FOR PREPARATION FOR RELIEVING MINOR SCALP IRRITATIONS AND REMOVING LOOSE DANDRUFF, A HAIR DRESSING, A HAIR LOTION, A HAIR CREAM, AND A SHAMPOO.
Claims use since May 1, 1930.

Ser. No. 508,125. PRINCE MATCHABELLI, INC., New York, N. Y. Filed Aug. 27, 1946.

CROWN PRINCE

FOR COLOGNES.
Claims use since June 25, 1946.

Ser. No. 508,126. PRINCE MATCHABELLI, INC., New York, N. Y. Filed Aug. 27, 1946.

CROWN PRINCESS

FOR COLOGNES.
Claims use since June 25, 1946.

Ser. No. 508,139. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Aug. 28, 1946.

'NUTRAGEST'

FOR PREPARATION CONTAINING AMINO ACIDS AND POLYPEPTIDES, CARBOHYDRATES, VITAMINS AND MINERALS, INTENDED FOR USE AS A DIETARY COMPOUND FOR ORAL ADMINISTRATION ONLY.
Claims use since July 5, 1946.

Ser. No. 508,201. ABBOTT LABORATORIES, North Chicago, Ill. Filed Aug. 29, 1946.

PROGEN

FOR NUTRITIVE PREPARATION CONTAINING PROTEIN HYDROLYSATE FOR ORAL ADMINISTRATION ONLY.
Claims use since Aug. 9, 1946.

Ser. No. 508,202. ABBOTT LABORATORIES, North Chicago, Ill. Filed Aug. 29, 1946.

PRORAL

FOR NUTRITIVE PREPARATION CONTAINING PROTEIN HYDROLYSATE FOR ORAL ADMINISTRATION ONLY.
Claims use since Aug. 9, 1946.

Ser. No. 508,205. AVON PRODUCTS, INC., New York, N. Y. Filed Aug. 29, 1946.

MEADOWBROOK

FOR COSMETIC SETS, COMPRISING AFTER SHAVING LOTION, COLOGNE, DEODORANT, AND TALCUM POWDER.
Claims use since Apr. 17, 1946.

Ser. No. 508,231. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Aug. 29, 1946.

QUINOTINE

FOR CHEMICAL PRODUCTS FOR USE AS INSECTICIDES, FUNGICIDES, MILDEW-PROOFING AGENTS, AND PRESERVATIVES.
Claims use since Aug. 10, 1946.

Ser. No. 508,518. ENDO PRODUCTS INC., New York, N. Y. Filed Sept. 5, 1946.

MANADRIN

FOR MEDICINAL PREPARATION USED FOR THE TREATMENT OF NASAL CONGESTION IN COLDS, HAY FEVER, AND ASTHMA.
Claims use since July 1, 1936.

Ser. No. 508,614. THE PHARMA-CRAFT CORPORATION, New York, N. Y. Filed Sept. 6, 1946.

OBAY

FOR HAIR TONIC.
Claims use since July 31, 1946.

Ser. No. 508,751. SOUTHERN SPECIALTIES CORPORATION, Charlotte, N. C. Filed Sept. 9, 1946.

DEZOL

FOR GERMICIDE AND DEODORIZER.
Claims use since Aug. 3, 1946.

Ser. No. 508,822. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 10, 1946.

LYOBECIN

FOR VITAMIN PREPARATION.
Claims use since Aug. 28, 1946.

Ser. No. 508,824. SUN OIL COMPANY, Philadelphia, Pa. Filed Sept. 10, 1946.

SOLRES

FOR PLASTICIZER FOR RUBBER.
Claims use since May 15, 1946.

Ser. No. 508,913. JAMES L. MURPHY, doing business as Van-Seaton Chemical Company, Fort Worth, Tex. Filed Sept. 12, 1946.

ADROPSEDEMA

FOR MEDICINAL COMPOUND—NAMELY, A HEART REGULATOR.
Claims use since 1897.

Ser. No. 509,100. HELENE PESSL, INC., New York, N. Y. Filed Sept. 14, 1946.



FOR TOILET WATER, HAND LOTION, SHAMPOO, BUBBLE BATH, DUSTING POWDER, AND LIPSTICK POMADE.
Claims use since Oct. 6, 1944.

CLASS 7
CORDAGE

Ser. No. 516,048. ACME BACKING CORPORATION, New York, N. Y. Filed Jan. 21, 1947.

METLON

FOR NARROW STRIPS, WRAPPING STRING AND TAPE, USED FOR TYING PURPOSES, MADE OF A COMBINATION OF METAL AND PLASTIC MATERIALS OR A COMBINATION OF METAL AND WOOL.
Claims use since Dec. 27, 1946.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 508,651. GEO. BORGFELDT CORPORATION, New York, N. Y. Filed Sept. 7, 1946.

BOBBY Q

FOR ASH TRAYS AND CIGARETTE CASES, NOT MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.
Claims use since June 10, 1946.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 504,496. LAKESIDE MALLEABLE CASTINGS COMPANY, Racine, Wis. Filed June 24, 1946.



FOR FERROUS CASTINGS.
Claims use since October 1941.

CLASS 15
OILS AND GREASES

Ser. No. 499,652. PIONEER PRODUCTS, INC., Baltimore, Md. Filed Apr. 4, 1946.

"PIOMAR"

FOR CUTTING AND PROCESSING OIL USED ON KNIVES AND IN MOLDS FOR CUTTING AND MOLDING RUBBER.
Claims use since June 6, 1945.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 498,846. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Mar. 23, 1946.

M S R

FOR SYNTHETIC RESIN PAINT ENAMELS.
Claims use since November 1932.

Ser. No. 500,479. LIVINGSTON PAINT COMPANY, Glencoe, Ill. Filed Apr. 18, 1946.



The word "Lac" is disclaimed apart from the mark.
FOR LACQUERS AND LACQUER THINNER.
Claims use since May 1, 1945.

CLASS 19
VEHICLES

Ser. No. 499,092. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 27, 1946. Under section 5b of the act of 1905 as amended in 1920.



FOR BICYCLES AND PARTS THEREOF AND CHILDREN'S VEHICLES—NAMELY, TWO AND THREE WHEEL CYCLES.
Claims use since Feb. 1, 1946.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 483,049. ZENITH RADIO CORPORATION, Chicago, Ill. Filed May 5, 1945.

ROBOT CHANGER

No claim is made to the word "Changer" as an arbitrary mark apart from the mark shown.
FOR ELECTRICALLY OPERATED TALKING MACHINES AND PARTS THEREOF—NAMELY, ELECTRIC PICK-UP ARMS AND ELECTRICALLY OPERATED RECORD PLAYING AND RECORD CHANGING MECHANISMS FOR TALKING MACHINES.
Claims use since Apr. 25, 1945.

Ser. No. 495,489. MECHANICAL HANDLING SYSTEMS, INC., Detroit, Mich. Filed Jan. 26, 1946.

SIG-NA-TROL

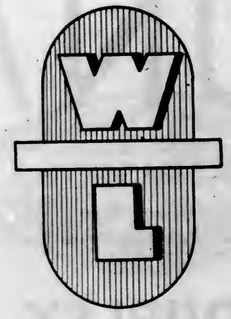
FOR UNITARY AUTOMATIC ELECTRIC CONTROLLED AND POWERED MATERIAL CONVEYOR, DISPATCH, PICKUP AND DELIVERY SYSTEMS FOR INDUSTRIAL USE, CONSISTING OF MATERIAL-CARRYING SELF PROPELLED RAILWAY CARS, ELEVATORS, TRACK AND TROLLEY-WAYS THEREFOR, AND AUTOMATIC DIRECTION AND DISTRIBUTION CONTROLS THEREFOR.
Claims use since Apr. 12, 1945.

Ser. No. 501,879. SPECIALS CHEMICALS CORP., New York, N. Y. Filed May 10, 1946.

SPECTRIFIER

FOR ELECTRIC CURRENT RECTIFIER.
Claims use since Mar. 8, 1946.

Ser. No. 504,811. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed June 28, 1946.



The lining on the drawing is for the color red.
FOR ELECTRIC RHEOSTATS; ELECTRIC ILLUMINATION CONTROL APPARATUS FOR AFFECTING THE CONNECTIONS OF ELECTRIC LIGHT CIRCUITS AND THE CURRENT AND VOLTAGE AND OF ELECTRIC LIGHTING DEVICES; ELECTRIC MOTOR STARTERS; ELECTRIC MOTOR CONTROLLERS FOR AFFECTING THE CIRCUITS AND OPERATION OF THE MOTORS; ELECTRIC RESISTORS BOTH FIXED AND ADJUSTABLE; ELECTRIC CIRCUIT BREAKERS; ELECTRIC RECTIFIERS; ELECTRIC VOLTAGE CONTROLLERS FOR REGULATING THE VOLTAGE OF GENERATORS AND OF ELECTRIC CIRCUITS; ELECTRIC THEATER DIMMERS; ELECTRIC REACTORS; ELECTRIC TRANSFORMERS; ELECTRIC AMPLIFIERS; ELECTRIC RELAYS; ELECTRIC CONTACTORS; ELECTRIC BATTERY CHARGING CONTROLLERS; AND ELECTRIC CIRCUIT CONTROLLERS FOR CHANGING CIRCUIT CONNECTIONS IN A PREDETERMINED MANNER AND OTHERWISE.
Claims use since Apr. 10, 1946.

Ser. No. 504,963. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder, Colo. Filed July 2, 1946.

CENTRAL ELECTRIC

The word "Elęctric" is disclaimed apart from the mark as shown.
FOR ELECTRICAL MACHINES FOR ARC WELDING, SOLDERING, AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since Feb. 1, 1946.

Ser. No. 504,964. CENTRAL ELECTRIC MANUFACTURING COMPANY, Boulder, Colo. Filed July 2, 1946.

SOLDERLUX

FOR ELECTRICAL MACHINES FOR SOLDERING AND SPOT WELDING, SUCH MACHINES ALSO BEING ADAPTED TO BE USED IN HEATING AND DEMAGNETIZING OPERATIONS.
Claims use since May 9, 1946.

Ser. No. 512,602. THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Nov. 14, 1946.

UNA

FOR RAIL BONDS.
Claims use since Nov. 5, 1927.

Ser. No. 512,603. THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Nov. 14, 1946.

DUPLEX

FOR TROLLEY FROGS AND TROLLEY SWITCHES.
Claims use since Mar. 1, 1945.

Ser. No. 512,720. SUN RADIO & ELECTRONICS CO., INC., New York, N. Y. Filed Nov. 15, 1946.



The representation of the ear phones and radio tube apart from the mark is disclaimed.
FOR RADIO-TRANSMITTING SETS, RADIO-RECEIVING SETS AND PARTS THEREFOR.
Claims use since Sept. 1, 1946.

Ser. No. 513,922. ASSOCIATED MANUFACTURERS AND SALES CO., Atlanta, Ga. Filed Dec. 9, 1946.

"LUMALITE"

FOR ELECTRIC IRONS.
Claims use since June 1946.

Ser. No. 513,938. INTERNATIONAL COMMERCE, INC., Washington, D. C. Filed Dec. 9, 1946.

RED TOP

FOR ELECTRIC HAND IRONS.
Claims use since Nov. 5, 1946.

Ser. No. 513,960. THE VENDO COMPANY, Kansas City, Mo. Filed Dec. 9, 1946.

THE Vendo

FOR COMBINATION MECHANICALLY AND ELECTRICALLY OPERATED DOOR OPENING MECHANISM.
Claims use since Dec. 4, 1946.

Ser. No. 514,392. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 17, 1946.



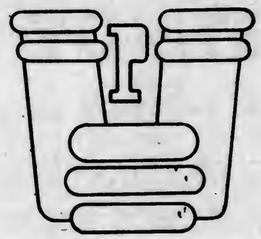
FOR AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, AND AUTOMOBILE BATTERY CHARGERS.
Claims use since Oct. 9, 1946.

Ser. No. 514,405. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 17, 1946.



FOR AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, AND AUTOMOBILE BATTERY CHARGERS.
Claims use since Oct. 9, 1946.

Ser. No. 514,489. PLASTOID CORPORATION, New York, N. Y. Filed Dec. 18, 1946.



FOR ELECTRICAL PLUGS.
Claims use since Apr. 12, 1946.

Ser. No. 514,500. SAUNDERS MACHINE AND TOOL CORPORATION, New York, N. Y. Filed Dec. 18, 1946.

Silver Streak

FOR ELECTRICAL IRONS, ELECTRICAL TRAVELLING IRONS, AND ELECTRICAL STEAM IRONS.
Claims use since Sept. 3, 1946.

Ser. No. 514,566. ROTISS-O-MAT CORPORATION, Astoria, Long Island, N. Y. Filed Dec. 19, 1946.

ROTISS-O-MAT

FOR ELECTRIC ROTISSERIES.
Claims use since January 1946.

Ser. No. 514,834. MID-WEST COIL & TRANSFORMER CO., Chicago, Ill. Filed Dec. 26, 1946.



FOR TRANSFORMERS.
Claims use since Apr. 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 482,709. SPIEGEL, INC., Chicago, Ill. Filed Apr. 27, 1945.



The term "American" is disclaimed apart from the mark as shown.
FOR ROLLER SKATES, ICE SKATES, BASEBALLS, BASEBALL GLOVES, SOFTBALLS, SOFTBALL GLOVES, BASKET BALLS, SKIS, BOXING GLOVES, STRIKING BAGS, FOOTBALLS, FOOTBALL HELMETS, FOOTBALL SHOULDER PADS, VOLLEYBALLS, AND TENNIS RACKETS.
Claims use since September 1935.

Ser. No. 495,863. CINDERELLA MANUFACTURING CO., Jackson, Mich. Filed Feb. 2, 1946.

HAPPO

FOR TOY ANIMATED FIGURES.
Claims use since Nov. 5, 1945.

Ser. No. 495,864. CINDERELLA MANUFACTURING CO., Jackson, Mich. Filed Feb. 2, 1946.

TOM THUMB

FOR TOY MINIATURE CASH REGISTERS.
Claims use since Oct. 19, 1945.

Ser. No. 499,532. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Apr. 3, 1946.

VICTOR

FOR DUCK DECOYS, AND DECOYS FOR OTHER WILD FOWL AND WATER FOWL.
Claims use since Feb. 14, 1939.

Ser. No. 499,533. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Apr. 3, 1946.

VICTOR

FOR DUCK DECOYS, AND DECOYS FOR OTHER WILD FOWL AND WATER FOWL.
Claims use since Mar. 21, 1946.

Ser. No. 499,534. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa. Filed Apr. 3, 1946.



FOR DUCK DECOYS, AND DECOYS FOR OTHER WILD FOWL AND WATER FOWL.
Claims use since Mar. 21, 1946.

Ser. No. 504,542. FLY-LITE TACKLE CO., Colorado Springs, Colo. Filed June 25, 1946.

MI-TY MINNOW

Applicant disclaims the word "Minnow" apart from the mark as shown.
FOR FISH LURES.
Claims use since May 3, 1946.

Ser. No. 504,793. ROBERTS, SANFORD & TAYLOR CO., Sherman, Tex. Filed June 28, 1946.

TEXMA

FOR FISHING TACKLE—NAMELY, FISH HOOKS, SINKERS, FISHING LINES, REELS, TACKLE BOXES, FISH STRINGERS, FISHING POLES, ARTIFICIAL FISH BAITS, LEADERS, CASTING RODS AND MINNOW SEINES AND SLEEPING BAGS OF THE MATTRESS TYPE.
Claims use since August 1909.

Ser. No. 504,812. SAMUEL WEINSTEIN, doing business as Universal Bowling & Billiard Supply, Chicago, Ill. Filed June 28, 1946.

TENPIN TATTLER

The word "Tenpin" and the representation of the goods are disclaimed apart from the mark as shown.
FOR BOWLING AND BILLIARD EQUIPMENT AND SUPPLIES—NAMELY, BOWLING PINS, BOWLING BALLS, AND BOWLING BALL BAGS.
Claims use since on or about Aug. 1, 1939.

Ser. No. 505,219. SCOTT MCKENZIE, Reno, Nev. Filed July 8, 1946.

FIVE DESTINATIONS
(CHOO CHOO GAME)

The word "Game" is disclaimed apart from the mark as shown.
FOR GAMES PLAYED WITH CARDS AND GAME-PIECES.
Claims use since June 1, 1946.

Ser. No. 506,297. DYNA-MODEL PRODUCTS COMPANY, Oyster Bay, Long Island, N. Y. Filed July 26, 1946.



FOR TOY MODEL AIRPLANES AND PARTS THEREOF.
Claims use since June 15, 1946.

Ser. No. 511,586. A. & H. MANUFACTURING COMPANY, St. Charles, Ill. Filed Oct. 28, 1946.



The word "Duck" and the representation of a duck are disclaimed apart from the mark.
FOR PORTABLE DUCK HUNTING BLINDS.
Claims use since Sept. 17, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,904. GOLAY-BUCHEL & CO. S. A., Le Sentier, Switzerland. Filed Sept. 1, 1945.

FAVORITE

FOR BENCH TRAYS FOR WATCH PARTS, BENCH VICES, BROACHES, BROACHES FOR CLOCKS, BROACH-HOLDER WITH CHUCK, BURNISHERS, CUTTING BROACHES, CUTTING BROACHES HOLDER, CUTTING NIPPERS FOR HAIRSPRINGS, DRAW-PLATES, DRILL BOW, DRILLING TAIL STOCK, DRILLS, DRILLSTOCK, ENGRAVERS' GRAVERS, FILES FOR WATCHMAKERS, FITTING TOOL, FILING BLOCKS, FRICTION PRESSING TOOL, GLASS CUTTING TOOLS, GRAVERS FOR WATCHMAKERS AND JEWELLERS, HAIRSPRINGS COLLET REMOVING TOOL, HAMMERS, HAND SETTERS FOR CLOCKS, HAND TONGS, JEWEL SETTING TOOL, LATHE FOR WATCHMAKERS, MACHINE FOR CUTTING, MAINSPRING PIERCING TOOL, MAINSPRING WINDER, MAINSPRINGS PUNCHES, MOVEMENT HOLDERS, NEEDLE FILES FOR JEWELLERS, OIL CUPS, OILERS, OPENERS FOR WATCH-CASES, PIERCING SAWS FOR WATCHMAKERS AND JEWELLERS, PIVOT BROACHES, PIVOT FILES, PIVOTING TOOLS, PLIERS, PLIERS (CANON PINION PLIERS) PLUG EXTRACTORS, POISING TOOLS, PUNCHES, REAMING BROACHES, RIFFLERS, RIVETING STAKES, RIVETING TOOLS, ROLLER COUNTERSINKERS, ROLLER EXTRACTORS, ROLLER TABLE REMOVER, ROUNDING-UP CUTTERS, ROUNDING-UP TOOLS, SAPPHIRE GRAVERS, SAW FRAMES, SAWS FOR WATCHMAKERS AND JEWELLERS, SCREW DRIVERS, SINKING TOOLS, STRAPS FOR WATCHES, TABLE WITH CLAMPING SCREW, TOOL FOR CUTTING AND FITTING UNBREAKABLE WATCH GLASSES, TOOL FOR DRIVING OUT JOINT PINS, TOOL FOR LANTERNING THE CANON PINION, TOOL FOR STRETCHING THE WHEELS, TOOLS FOR WATCH CASES, TRIANGULAR SCRAPERS, TWEEZERS FOR HOLDING THE HANDS, TWEEZERS FOR WATCHMAKERS, TWISTED DRILLS, UNBREAKABLE GLASSES FITTING TOOL, UNIVERSAL 3 JAW CHUCK, WATCH PROTECTORS, WINDING TOOL FOR MOVEMENT.
Claims use since 1934.

Ser. No. 494,726. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Jan. 12, 1946.

HARVEST QUEEN

FOR HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS—NAMELY, LETTUCE CUTTERS, THISTLE, DOCK AND WEED CUTTERS; D-HANDLES FOR TOOLS; MANURE DRAGS, POTATO DRAGS, PHOSPHATE DRAGS, STONE DRAGS, LAWN EDGERS, TURF EDGERS; LIGHT AND HEAVY FORKS—NAMELY, ALFALFA FORKS, ASPHALT FORKS, BALING FORKS, BALLAST FORKS, BARLEY FORKS, BEET FORKS, CLOVER FORKS, COAL FORKS, COAL SCOOP FORKS, COKE FORKS, COTTON SEED FORKS, ENGLISH DIGGING FORKS, ENSILAGE FORKS, FISH FORKS, FLORAL SPADING FORKS, GRAIN FORKS, HAY FORKS, HEADER FORKS, MANURE FORKS, MILL FORKS, PHOSPHATE FORKS, POTATO DIGGING FORKS, PULP FORKS, SHAVING FORKS, SPADING FORKS, STREET FORKS, STONE FORKS, STONE PICKER FORKS, TANNERS' FORKS, TAR FORKS, AND VEGETABLE SCOOP FORKS; ICE CHISELS; HOES—NAMELY, BEET HOES, BLACKLAND HOES, BOYS' HOES, CORN HOES, COTTON HOES, COTTON CHOPPER HOES, CULTIVATOR HOES, EYE HOES, FIELD HOES, FLORAL HOES, GARDEN HOES, GRADING HOES, GRAPE HOES, GRUB HOES, HANDLED SPROUTING HOES, HANDLED SQUARE EYE HOES, LADIES' HOES, MATTOCK HOES, MEADOW HOES, MORTAR HOES, MORTAR MIXER HOES, NURSERY HOES, NURSERYMEN'S HOES, ONION HOES, PLANTER HOES, RHODE ISLAND HOES, RIVETED HOES, SCUFFLE HOES, SPROUTING HOES, STRAWBERRY HOES, STREET HOES, SUGAR BEET HOES, THINNING HOES, TOBACCO HOES, WARREN HOES, AND WEEDING HOES; CLAM HOOKS, GARBAGE HOOKS, MANURE HOOKS, NURSERYMEN'S HOOKS, PHOSPHATE HOOKS, POTATO HOOKS, REFUSE HOOKS, STONE HOOKS; LAWN COMBS; RAKES—NAMELY, ASPHALT RAKES, BROOM RAKES, CLAM RAKES, CURVED TOOTH RAKES, DANDELION RAKES, FLAT BOW RAKES, FLORAL RAKES, GARDEN RAKES, GRAVEL RAKES, LAWN RAKES, LEVEL HEAD RAKES, MALLEABLE RAKES, PINE NEEDLE RAKES, ROAD RAKES, ROUND BOW RAKES, SINGLE SHANK RAKES, STEEL RAKES, STONE RAKES, TAR RAKES, TWO-MAN RAKES, AND WIRE LAWN RAKES; SEEDLING SETTERS; SCOOPS; BARN FLOOR SCRAPERS, CHICKEN HOUSE SCRAPERS, DECK SCRAPERS, FLOOR SCRAPERS, SHIP SCRAPERS; SHOVELS—NAMELY, FIRE SHOVELS AND FLORAL SHOVELS; SIDE WALK CLEANERS; SOD LIFTERS; SPADES, CONCRETE SPADES, HAND SPADES; TOOL HANDLES AND PARTS THEREOF; TROWELS—NAMELY, GARDEN TROWELS, NURSERYMEN'S TROWELS AND TRANSPLANTING TROWELS; WEEDERS—NAMELY, DANDELION WEEDERS, HAND WEEDERS, AND ONION WEEDERS.
Claims use since Oct. 25, 1945.

Ser. No. 503,161. G. M. GIANNINI & CO. INC., Pasadena, Calif. Filed June 1, 1946.

MINIJET MOTORS

Applicant disclaims the word "Motors" and the representation of an engine nacelle apart from the mark.
FOR PULSE JET REACTION MOTORS OF THRUST TYPE WHEREIN THE THRUST IS PROVIDED BY THE COMBUSTION OF LIQUID OR POWDERED HYDROCARBONS AND PARTS THEREOF.
Claims use since Apr. 15, 1946.

Ser. No. 506,624. ACE MANUFACTURING CORPORATION, Philadelphia, Pa. Filed Aug. 1, 1946.

ACE

FOR SPECIAL STAMPING DIES, JIGS, TOOLS, FIXTURES AND PARTS, FOR STANDARD MACHINES FOR METAL WORKING AND ASSEMBLING OPERATIONS.
Claims use since August 1931.

Ser. No. 508,921. THE RAPIDS-STANDARD COMPANY, INC., Grand Rapids, Mich. Filed Sept. 12, 1946.

STEVEDORE, JR.

Applicant disclaims the term "Jr." apart from the mark.
FOR BELT TYPE, POWER-DRIVEN, PORTABLE CONVEYORS, AND PARTS THEREOF.
Claims use since Oct. 15, 1943.

Ser. No. 510,482. CASCADE MANUFACTURING COMPANY, Portland, Oreg. Filed Oct. 9, 1946.

CASCADE

FOR LOADERS, AND CENTRIFUGAL PUMPS.
Claims use since Feb. 21, 1946, on loaders; and since Aug. 1, 1946, on centrifugal pumps.

Ser. No. 515,549. OSCAR R. GALTER, Chicago, Ill. Filed Jan. 10, 1947.

SHMOE

FOR COMBINATION BOTTLE OPENER AND POCKET PIECE.
Claims use since Dec. 11, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 505,192. FORSTER MANUFACTURING CO., INC., Strong, Maine. Filed July 8, 1946.

IDEAL

FOR CLOTHES-PINS.
Claims use since Oct. 1, 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 512,794. PRIMEX EQUIPMENT COMPANY, Chicago, Ill. Filed Nov. 18, 1946.

PRIMEX

FOR X-RAY EQUIPMENT—NAMELY, APPARATUS FOR X-RAY INSPECTION OF SHOE ENCASED FEET FOR SHOE FITTING PURPOSES.
Claims use since Aug. 3, 1946.

Ser. No. 512,920. MOTION PICTURE EQUIPMENT CO., INC., New York, N. Y. Filed Nov. 20, 1946.

MOPITCO

FOR FILM REELS AND BRACKETS FOR SUPPORTING THE SAME.
Claims use since Oct. 14, 1946.

Ser. No. 513,036. EASTMAN-KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Nov. 22, 1946.

EKTACHROME

FOR PHOTOGRAPHIC FILM.
Claims use since Oct. 28, 1946.

Ser. No. 513,102. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Nov. 23, 1946.

KODAGRAPH

FOR PHOTOGRAPHIC FILM, PHOTOGRAPHIC PLATES, PHOTOGRAPHIC PAPER, AND SENSITIZED TRACING CLOTH.
Claims use since Feb. 12, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 502,547. ICKO WAKMANN, doing business as Wakmann Watch Company, New York, N. Y. Filed May 21, 1946.

RELIDE

FOR WATCHES.
Claims use since January 1946.

Ser. No. 510,108. ISRAEL POSNANSKY, New York, N. Y. Filed Oct. 2, 1946.

POX

FOR WATCHES, WATCH MOVEMENTS AND WATCH PARTS.
Claims use since May 20, 1945.

Ser. No. 511,091. INVICTA-SEELAND, INC., New York, N. Y. Filed Oct. 18, 1946.

SIDNEY

FOR WATCHES, WATCH MOVEMENTS, WATCH CASES, AND PARTS THEREOF.
Claims use since Aug. 31, 1931.

Ser. No. 514,674. ICKO WAKMANN, doing business as Wakmann Watch Company, New York, N. Y. Filed Dec. 21, 1946.



FOR WATCHES.
Claims use since September 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 482,452. SOL E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y. Filed Apr. 21, 1945.

Marvella

Applicant is the owner of Reg. Nos. 324,839, 413,234, and 413,778. The representation of the pearl is disclaimed apart from the mark as shown.
FOR PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, PEARLS AND JEWELRY CONTAINING PEARLS FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES.
Claims use since February 1944.

Ser. No. 490,279. CHESLEY L. BENJAMIN, San Francisco, Calif. Filed Oct. 22, 1945.

ASTROLOGRAM

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT (NOT INCLUDING WATCHES)—NAMELY, MEDALLIONS, PENDANTS, BRACELETS, PINS, AND THE LIKE.
Claims use since Aug. 6, 1945.

Ser. No. 500,149. UNTERMEYER ROBBINS & Co., New York, N. Y. Filed Apr. 12, 1946.

Star of Persia

The word "Persia" is disclaimed apart from the mark shown.
FOR FINGER RINGS WITH SEMI-PRECIOUS STONES.
Claims use since Feb. 1, 1946.

Ser. No. 503,085. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 31, 1946.

KING EDWARD

FOR STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE, AND CUTLERY.
Claims use since about Sept. 1, 1902.

Ser. No. 506,649. JACOB L. COMRAS, doing business as The J. L. Comras Co., Providence, R. I. Filed Aug. 1, 1946.

CHAPEL

FOR ROSARIES, AND CROSSES AND MEDALLIONS FOR PERSONAL WEAR, ALL MADE WHOLLY OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL.
Claims use since July 19, 1946.

Ser. No. 507,275. DAVE L. RUBIN, Houston, Tex. Filed Aug. 12, 1946.

DA RUE

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, ORNAMENTAL PINS, BROOCHES, EARRINGS, AND THE LIKE.
Claims use since March 1943.

Ser. No. 508,040. GUILDHALL SILVERSMITHS COMPANY, Central Falls, R. I. Filed Aug. 26, 1946.

GS

FOR STERLING SILVER AND SILVER PLATED HOLLOWWARE.
Claims use since on or about July 27, 1946.

Ser. No. 508,364. BINNIE CREATIONS, Dearborn, Mich. Filed Aug. 31, 1946.

Binnie

FOR ARTICLES OF JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES.
Claims use since May 1, 1946.

Ser. No. 510,112. CHARLES R. RODGERS, Providence, R. I. Filed Oct. 2, 1946.

R

FOR FLATWARE AND HOLLOW WARE MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Nov. 1, 1944.

Ser. No. 511,894. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Nov. 1, 1946.

IRIS

FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS.
Claims use since 1938.

Ser. No. 512,680. I. LIEBER, doing business as I. Lieber and Company, New York, N. Y. Filed Nov. 15, 1946.

Stradivari

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, EARRINGS, CROSSES, BRACELETS, BANGLES, NECKLACES, BROOCHES, TIE AND COLLAR CLASPS, AND CUFF LINKS.
Claims use since Oct. 22, 1946.

Ser. No. 514,286. NORLING & BLOOM COMPANY, Boston, Mass. Filed Dec. 14, 1946.

NB

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, RINGS, BROOCHES, BAR PINS, AND JEWELED ACCESSORIES.
Claims use since Aug. 5, 1913.

Ser. No. 516,379. PETER L. SHEA, Union City, N. J. Filed Jan. 25, 1947.

P.A.C. Floralite

FOR PLASTIC NOVELTY JEWELRY, COSTUME JEWELRY, ORNAMENTAL PINS, BROOCHES, AND EARRINGS.
Claims use since June 10, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 513,352. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

COMET

FOR SASH TOOL BRUSHES FOR APPLYING PAINT OR OTHER LIQUID TO SASHES.
Claims use since Jan. 1, 1930.

Ser. No. 513,353. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

DIANA TRIM

Applicant disclaims the use of the word "Trim" except in connection with the word "Diana."
FOR SASH TOOL BRUSHES FOR APPLYING PAINT OR OTHER LIQUID TO SASHES.
Claims use since Jan. 1, 1930.

Ser. No. 513,357. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

KISMET

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since at least on or about Jan. 1, 1930.

Ser. No. 513,360. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

MUTAL

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since Jan. 1, 1930.

Ser. No. 513,365. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

SCIMITAR

FOR FLAT VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since Jan. 1, 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 479,358. PUROFIED DOWN PRODUCTS CORP., New York and Brooklyn, N. Y. Filed Feb. 2, 1945.

Airydown

FOR PILLOWS.
Claims use since Dec. 10, 1944.

Ser. No. 498,664. VANGUARD CORPORATION, Springfield, Mass. Filed Mar. 20, 1946.

VANGUARD

FOR INFLATABLE CUSHIONS, PILLOWS, AND MATTRESSES MADE FROM PLASTIC MATERIAL.
Claims use since Jan. 25, 1946.

Ser. No. 500,408. OSIASON, INC., Fall River, Mass. Filed Apr. 17, 1946.

THE Snoozer

FOR MATTRESSES, BOX SPRINGS, AND DIVANS.
Claims use since Sept. 8, 1938.

Ser. No. 506,211. VIRTUE BROS. MFG. CO., Los Angeles, Calif. Filed July 24, 1946.

VIRTUE V CHROME

The word "Chrome" is disclaimed apart from the mark as shown. The drawing is lined to indicate the color red.

FOR METAL AND WOOD FURNITURE—NAMELY, OFFICE, LOUNGE, DINING ROOM, ROCKING, SWIVEL, RECLINING, INFANTS' HIGH, GANG AND CASHIERS' CHAIRS; COUNTER SEATS; RIGID, SWIVEL AND SHOE FITTING STOOLS; STOOL BASES; PEDESTALS FOR TABLES; SETTEES; KITCHEN, PEDESTAL, BOOTH, DINING, BANQUET, PARLOR, CARD, WORK AND FOLDING TABLES; HAT, GARMENT AND DESK RACKS. LUGGAGE, TRAY AND SERVICE STANDS; COSTUMERS; WRITING DESKS; AND WALL AND SHOE MIRRORS.

Claims use since on or about May 31, 1946.

Ser. No. 509,127. AMERICAN LATEX PRODUCTS CORPORATION, Los Angeles, Calif. Filed Sept. 16, 1946.

MOLTEX

FOR MOLDED FOAM LATEX CUSHIONS.

Claims use since February 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 502,455. PELAEZ MUSIC CO., Los Angeles, Calif. Filed May 20, 1946.

AZTECA

The mark consists of the word "Azteca."

FOR PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED DISC TYPE.

Claims use since Feb. 11, 1946.

Ser. No. 507,026. HARMONIC REED CORPORATION, Philadelphia, Pa. Filed Aug. 7, 1946.

HARMOTONE

FOR HARMONICAS.

Claims use since Feb. 28, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 463,937. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Oct. 6, 1943.

ADVANCE



FOR BUTCHER'S KRAFT WRAPPING PAPER.

Claims use since 1931.

Ser. No. 506,129. S-K FORMS COMPANY, Philadelphia, Pa. Filed July 23, 1946.

Esskay SK

FOR BOND PAPER FOR STATIONERY AND ACCOUNTANT'S REPORTS.

Claims use since June 1, 1945.

Ser. No. 508,869. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Sept. 11, 1946.

SCOUT

FOR KRAFT WRAPPING PAPER.

Claims use since July 27, 1946.

Ser. No. 509,075. CONSOLIDATED PAPER COMPANY, Monroe and Detroit, Mich., and Aurora, Ill. Filed Sept. 14, 1946.

CONSOLITE

FOR PAPERBOARD.

Claims use since Feb. 28, 1938.

Ser. No. 509,186. L. E. WATERMAN COMPANY, New York, N. Y. Filed Sept. 16, 1946.

ASTRALITE

FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND PARTS THEREOF.

Claims use since Aug. 15, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 457,377. A. L. I. Co., Camden, N. J. Filed Dec. 14, 1942.

LIQUOR LOG

The word "Liquor," apart from the mark as shown, is disclaimed.

FOR PUBLICATION CONTAINING SCHEDULES FOR COMPUTING LIQUOR GALLONAGE PUBLISHED AT INTERVALS.

Claims use since Nov. 28, 1942.

Ser. No. 474,066. THE BOOK BALANCE ASSOCIATION, Owosso, Mich. Filed Sept. 11, 1944.



The word "Book" and the representation of a book are disclaimed apart from the mark shown.

FOR PERIODICAL.

Claims use since Sept. 1, 1944.

Ser. No. 497,765. GABRIEL ALLEN, doing business as Independent News Assn., New York, N. Y. Filed Mar. 7, 1946.



No claim is made to the words "News Assn." apart from the mark as shown.

FOR NEWS PHOTOGRAPHS.

Claims use since Oct. 2, 1945.

Ser. No. 501,559. ORLANDO ALOYSIUS BATTISTA, Drexel Hill, Pa. Filed May 7, 1946.

Quotoons

(Life in Quotable Form)

FOR NEWSPAPER OR MAGAZINE FEATURE COLUMN.

Claims use since May 1, 1945.

Ser. No. 506,042. R. G. LE TOURNEAU, INC., Peoria, Ill. Filed July 22, 1946.



FOR SECTION HEADING OF A PERIODICAL PUBLICATION.

Claims use since Apr. 1, 1939.

Ser. No. 506,965. LOUIS M. SCHNEIDER, New York, N. Y. Filed Aug. 6, 1946.

TRADE WINDS

FOR NEWSPAPER FEATURE ARTICLES.

Claims use since November 1933.

Ser. No. 508,479. HEROES ALL COMPANY, Minneapolis, Minn. Filed Sept. 4, 1946.

Heroes All-

The words "Catholic Action Illustrated" are disclaimed apart from the mark shown.

FOR MAGAZINE FOR CHILDREN ILLUSTRATED IN COLORS AND TELLING IN PICTURE FORM MAINLY THE STORY OF CATHOLIC HEROES.

Claims use since Aug. 1, 1943.

Ser. No. 509,072. HARRY A. CARLSON, doing business as Carlson Portrait Photographers, Cincinnati, Ohio. Filed Sept. 14, 1946.



The trade-mark consists of the signature of the applicant.

FOR PORTRAIT PHOTOGRAPHS.

Claims use since Sept. 17, 1933.

Ser. No. 510,386. HALL BROTHERS, INC., Kansas City, Mo. Filed Oct. 7, 1946.

HALLMARK

FOR CHRISTMAS GIFT TAGS AND ENCLOSURE CARDS, PARTY INVITATIONS, BIRTH ANNOUNCEMENTS, DANCE PROGRAMS, CALENDARS, TALLY AND PLACE CARDS, SYMPATHY ACKNOWLEDGMENTS, DATE BOOKS AND MOTTOES.

Claims use since June 1938, on date books; since on or about Feb. 1, 1940, on mottoes; and since on or about Jan. 25, 1925, on remainder of goods.

Ser. No. 510,857. NEW JERSEY STATE FIRST AID COUNCIL, Dunellen, N. J. Filed Oct. 14, 1946.

The Gold Cross

FOR MONTHLY PUBLICATION.

Claims use since September 1927.

Ser. No. 510,887. INTERNATIONAL VITAMIN CORPORATION, New York, N. Y. Filed Oct. 15, 1946.

VITAMIZER

FOR HOUSE ORGAN PUBLISHED FROM TIME TO TIME.
Claims use since Apr. 16, 1945.

Ser. No. 511,018. DEKE HOULGATE, Los Angeles, Calif. Filed Oct. 17, 1946.

In the Huddle

FOR NEWSPAPER COLUMN.
Claims use since Sept. 1, 1940.

Ser. No. 511,040. STANDARD OIL COMPANY (NEW JERSEY), Flemington, N. J., and New York, N. Y. Filed Oct. 17, 1946.

The Lamp

FOR PERIODICAL.
Claims use since May 1918.

CLASS 39

CLOTHING

Ser. No. 487,556. IMPERIAL HOSIERY CO., Pittsburgh, Pa. Filed Aug. 25, 1945.

STEELCRAFT

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Mar. 15, 1945.

Ser. No. 490,154. UNION CARBIDE AND CARBON CORPORATION, New York, N. Y. Filed Oct. 18, 1945.

Oxweld

FOR FLAME AND HEAT RESISTANT GLOVES, PARTICULARLY FOR WELDERS' USE AND OTHER SIMILAR USES.
Claims use since 1913.

Ser. No. 493,656. CISCO, INC., New York, N. Y. Filed Dec. 21, 1945.

Ciscool

FOR MEN'S SPORT SHIRTS.
Claims use since May 15, 1945.

Ser. No. 494,281. THE PURITAN KNITTING MILLS CO., Altoona, Pa. Filed Jan. 4, 1946.



PURITAN KNITTING MILLS CO

The words "Knitting Mills Co." are disclaimed apart from the mark as shown.
FOR SWEATERS, SCARFS, BATHING SUITS, BATHING SHIRTS, AND BATHING TRUNKS.
Claims use since September 1910.

Ser. No. 497,067. KEITH CHALMERS & SON, San Francisco, Calif. Filed Feb. 23, 1946.

CARADON

FOR LADIES' WEARING APPAREL—NAMELY, HOSIERY, UNDERWEAR, PANTIES, SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, AND NEGLIGEES; AND MEN'S APPAREL—NAMELY, HOSE, UNDERWEAR, AND SCARVES.
Claims use since Jan. 15, 1946.

Ser. No. 497,448. JACK BORGENICHT, INC., Forest City, Pa. Filed Mar. 1, 1946.



FOR WOMEN'S, CHILDREN'S, AND INFANTS' DRESSES.
Claims use since Feb. 25, 1946.

Ser. No. 499,921. DAISY SCHAPIRO, New York, N. Y. Filed Apr. 9, 1946.

'PAFS'

FOR SHOES AND SLIPPERS MADE OF FABRIC AND LEATHER.
Claims use since Oct. 2, 1945.

Ser. No. 502,246. YOUNGSTERS SHOES LTD., Chicago, Ill. Filed May 16, 1946.

Blinkies for Kiddies

No claim is made to the words "For Kiddies" apart from the mark as shown.
FOR SHOES AND SLIPPERS OF LEATHER AND FELTED MATERIALS FOR CHILDREN AND INFANTS.
Claims use since Apr. 27, 1946.

Ser. No. 506,641. CAMPUS MODES SPORTSWEAR COMPANY, Los Angeles, Calif. Filed Aug. 1, 1946.

Sun Lazy Fashions

Applicant disclaims use of the words "Sun" and "Fashions" apart from the mark as shown.
FOR WOMEN'S SPORTSWEAR—NAMELY, SLACKS, SLACK SUITS, SHORTS, PLAY SUITS, BLOUSES, BRAS, SKIRTS, AND PEDAL PUSHERS.
Claims use since Nov. 25, 1945.

Ser. No. 507,861. SOUTHERN KNITWEAR MILLS, INC., Charlotte, N. C. Filed Aug. 22, 1946.

RORA

FOR CHILDREN'S CLOTHING—NAMELY, SWEATERS, BOOTEE SETS, LEGGING SETS, BOOTEES, SACQUES, CAPS, AND KNITTED CHILDREN'S DRESSES.
Claims use since Aug. 16, 1946.

Ser. No. 508,192. ROGERS PEET COMPANY, New York, N. Y. Filed Aug. 28, 1946.



FOR MEN'S AND BOYS' SUITS, SPORT JACKETS, SLACKS, OVERCOATS, RAINCOATS, HATS, CAPS, LEATHER SHOES, OUTER SHIRTS, HOSIERY, UNDERWEAR, NECKTIES, PAJAMAS, HANDKERCHIEFS, GARMENT BELTS, AND BATHING TRUNKS.
Claims use since Aug. 9, 1946.

Ser. No. 508,280. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Aug. 30, 1946.

Tumblin Tim

FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Aug. 13, 1946.

Ser. No. 508,434. H. S. MEANS CO., Culver City, Calif. Filed Sept. 3, 1946.

SUNSET TRAILS

FOR APPAREL BELTS MADE OF LEATHER.
Claims use since Aug. 23, 1946.

Ser. No. 508,598. GREEN LANE HOSIERY CO., INC., Green Lane, Pa. Filed Sept. 6, 1946.

Twin Rebette

No claim is made to the word "Twin" apart from the mark.
FOR LADIES' HOSIERY.
Claims use since Jan. 1, 1942.

Ser. No. 508,713. CALTEX SPORTSWEAR CO. OF CALIFORNIA, INC., Los Angeles, Calif. Filed Sept. 9, 1946.

Caltex

FOR WOMEN'S AND CHILDREN'S KNITTED SPORTSWEAR—NAMELY, SWEATERS, SUITS, SKIRTS, SCARFS, HATS, SWIM SUITS, BATHING CAPS, SLACKS, OUTER SHORTS, PEDAL PUSHERS, HALTERS AND JACKETS; MEN'S SWIM TRUNKS AND BEACH ROBES, SPORT SHIRTS, AND SWEATERS.
Claims use since June 15, 1925.

Ser. No. 509,715. McCROSSEN HANDWOVEN TEXTILES, INC., Santa Fe, N. Mex. Filed Sept. 25, 1946.



FOR SCARFS, NECKTIES, BELTS FOR OUTER WEAR, AND DRESSES FOR WOMEN, MISSES, AND CHILDREN.
Claims use since December 1930.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 510,388. HALL BROTHERS, INC., Kansas City, Mo. Filed Oct. 7, 1946.

HALLMARK

FOR RIBBON MADE OF SILK, SATIN, RAYON AND COTTON CUT IN LENGTHS.
Claims use since on or about Jan. 25, 1925.

Ser. No. 512,934. ROSANNE MANUFACTURING COMPANY, INC., York, Pa. Filed Nov. 20, 1946.

Rosanne

FOR BRASSIÈRE REPLACEMENT BACK STRAPS; GIRDLE HOOKS; BRASSIÈRE SHOULDER STRAPS; BRASSIÈRE REPLACEMENT COMBINATION SETS OF BACK AND SHOULDER STRAPS.
Claims use since on or about May 1, 1945.

Ser. No. 515,845. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Jan. 16, 1947.

PIONEER

FOR WRIST WATCH STRAPS OF LEATHER OR FABRIC OR NON-PRECIOUS METAL, AND BUCKLES OF NON-PRECIOUS METAL FOR BOTH WRIST WATCH STRAPS AND BELTS.
Claims use since Jan. 10, 1947.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 501,889. FRANZ VOGEL COMPANY, INC., New York, N. Y. Filed May 10, 1946.

MULTI-BRELLA

FOR UMBRELLAS.
Claims use since Mar. 20, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 495,098. REYNOLDS METALS COMPANY, Richmond, Va. Filed Jan. 19, 1946.

REYMET

FOR YARN MADE OF METALLIC FOIL.
Claims use since 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,404. DEVEREUX PACKING COMPANY, Salinas, Calif. Filed Mar. 18, 1946.

CAL'S BEST

No claim is made to the word "Best" apart from the mark.
FOR FRESH LETTUCE.
Claims use since Mar. 4, 1946.

Ser. No. 503,577. KNAPP-SHERRILL COMPANY, Donna, Tex. Filed June 10, 1946.



Applicant is the owner of registration No. 420,647. No claim is made to the word "Texas" apart from the mark as shown.
FOR CANNED TOMATO JUICE AND CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES.
Claims use since June 6, 1945.

Ser. No. 506,489. W. T. YOUNG FOODS, INC., doing business as William T. Young and Co., Lexington, Ky. Filed July 29, 1946.

MAGIC GOLD

FOR FOODS—NAMELY, PEANUT BUTTER.
Claims use since July 1, 1946.

Ser. No. 508,703. F. W. BOLTZ CORP., Los Angeles, Calif. Filed Sept. 9, 1946.

MPM

FOR CANNED FOOD PREPARATION COMPOSED OF A COMBINATION OF PRECOOKED DEHYDRATED VEGETABLES.
Claims use since November 1944.

Ser. No. 508,771. WHIZ FISH PRODUCTS COMPANY, Seattle, Wash. Filed Sept. 9, 1946.

Bonfire

FOR CANNED SHELLFISH AND CANNED FISH.
Claims use since Mar. 1, 1946.

Ser. No. 510,318. HAWLEY & HOOPS, New York, N. Y. Filed Oct. 5, 1946.

RAVENS

FOR CANDY.
Claims use since 1901.

Ser. No. 511,400. LAFOND CHOCOLATIER, New York, N. Y. Filed Oct. 24, 1946.

HAZ-LETS

FOR CANDY.
Claims use since September 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 508,642. ARVEY CORPORATION, Chicago, Ill. Filed Sept. 7, 1946.

R-V-TEX

Applicant is the owner of registration No. 381,402.
FOR FLEXIBLE GLASS SUBSTITUTES COMPRISING TRANSLUCENT OR TRANSPARENT SHEET MATERIAL WITH OR WITHOUT A MESH REINFORCEMENT.
Claims use since July 31, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

JULY 8, 1947

431,078. NON-ELECTRIC PRINTED, PAINTED, ENAMELED, CAST, MOLDED, DRAWN, STAMPED, STENCILLED OR EMBOSSED SIGNS, EMBLEMS, ETC. STANDARD SIGNS, INC., Cleveland, Ohio.
Filed May 26, 1944. Serial No. 470,685. PUBLISHED APRIL 8, 1947. Class 50.

431,079. GASOLINE. TIME OIL CO., Seattle, Wash.
Filed December 9, 1944. Serial No. 477,382. PUBLISHED APRIL 22, 1947. Class 15.

431,080. WEEKLY PUBLICATIONS—NAMELY, HOUSE ORGANS. ELECTROLUX CORPORATION, New York, N. Y.
Filed February 27, 1945. Serial No. 480,282. PUBLISHED APRIL 15, 1947. Class 38.

431,081. ORNAMENTAL AND UTILITY POTTERY—NAMELY, CANDY BOXES, VASES, BOWLS, POWDER BOXES, ETC. ERIC H. GORT, INC., Metuchen, N. J.
Filed March 19, 1945. Serial No. 481,065. PUBLISHED APRIL 8, 1947. Class 30.

431,082. RUST PREVENTIVE COATING IN THE NATURE OF A PAINT. CRODA, LIMITED, Goole, England.
Filed August 11, 1945. Serial No. 487,031. PUBLISHED APRIL 15, 1947. Class 16.

431,083. PAINTS IN PASTE AND READY MIXED FORM, VARNISHES, PAINT ENAMELS AND LACQUERS. MAAS & WALDSTEIN COMPANY, Newark, N. J.
Filed August 17, 1945. Serial No. 487,195. PUBLISHED APRIL 15, 1947. Class 16.

431,084. CHEMICAL COMPOUNDS FOR USE IN CLEANING ALUMINUM OR ALUMINUM ALLOYS PRIOR TO WELDING OR COATING. SUNBEAM ANTI-CORROSIVES LIMITED, London, England.
Filed October 3, 1945. Serial No. 489,367. PUBLISHED MARCH 25, 1947. Class 6.

431,085. FIGURINES AND STATUETTES. ERIC H. GORT, INC., Metuchen' N. J.
Filed October 31, 1945. Serial No. 490,819. PUBLISHED APRIL 8, 1947. Class 50.

431,086. WATER PROOFING AND PROTECTIVE COATINGS FOR CONCRETE AND STEEL (IN THE NATURE OF A PAINT AND APPLICABLE BY BRUSH OR SPRAY). INERTOL CO., INC., Newark, N. J.
Filed November 24, 1945. Serial No. 492,140. PUBLISHED APRIL 15, 1947. Class 16.

431,087. MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, SAXOPHONES, CLARINETS, FLUTES, OBOES, AND PIANO ACCORDIONS. MAXWELL MEYERS, INC., San Antonio, Tex.
Filed December 4, 1945. Serial No. 492,648. PUBLISHED APRIL 22, 1947. Class 36.

431,088. PAINTS (READY MIXED AND LIQUID, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND WOOD FILLERS. THE H. B. DAVIS COMPANY, Baltimore, Md.
Filed March 9, 1946. Serial No. 497,922. PUBLISHED APRIL 15, 1947. Class 16.

431,089. PHOTOGRAPHS. CHARLES NICHOLAS JOHNSTON, San Francisco, Berkeley, Palo Alto, and Oakland, Calif.
Filed March 13, 1946. Serial No. 498,146. PUBLISHED APRIL 22, 1947. Class 38.

431,090. READY MIXED PAINTS. BOSTON VARNISH COMPANY, Everett, Mass.
Filed March 14, 1946. Serial No. 498,201. PUBLISHED APRIL 15, 1947. Class 16.

431,091. READY MIXED PAINTS. BOSTON VARNISH COMPANY, Everett, Mass.
Filed March 14, 1946. Serial No. 498,202. PUBLISHED APRIL 15, 1947. Class 16.

431,092. PAINTS IN READY MIXED FORM. I. F. LAUCKS, INC., Seattle, Wash., assignor to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware.
Filed March 19, 1946. Serial No. 498,529. PUBLISHED APRIL 15, 1947. Class 16.

431,093. MANIKINS, FIGURES PORTRAYING HUMAN BEINGS, BIRDS, FISH, BUTTERFLIES; ARTIFICIAL FLOWERS FOR STORE DISPLAYS. ALLIED DISPLAY MATERIALS, INC., New York, N. Y.
Filed April 10, 1946. Serial No. 499,935. PUBLISHED APRIL 22, 1947. Class 50.

431,094. MAGAZINE PUBLISHED WEEKLY. SCIENTIFIC DEVELOPMENT CORPORATION, New York, N. Y.
Filed April 19, 1946. Serial No. 500,578. PUBLISHED APRIL 15, 1947. Class 38.

431,095. PHYSICALLY GROOVED TRANSCRIPTION RECORDS. MOO-VIE AUCTION SALES, INC., Pittsburgh, Pa.
Filed April 24, 1946. Serial No. 500,817. PUBLISHED APRIL 22, 1947. Class 36.

431,096. MULTIGRAPHED TRADE LISTS, READY FOR USE AND SOLD AS SUCH. ROBERT P. WILHELM, doing business as Mailcraft, New York, N. Y.
Filed May 6, 1946. Serial No. 501,549. PUBLISHED APRIL 15, 1947. Class 38.

431,097. PAPER PLACE MATS, PAPER DOILIES, PAPER COASTERS, PAPER NAPKINS, AND PACKET MATCHES, SOLD AS A UNIT. FRANK A. BLOOD, doing business as F. A. B. Sales Co., Dallas, Tex.
Filed May 10, 1946. Serial No. 501,817. PUBLISHED APRIL 22, 1947. Class 50.

431,098. RAYON YARN. EMPIRE RAYON YARN CO., INC., New York, N. Y.
Filed May 15, 1946. Serial No. 502,129. PUBLISHED APRIL 15, 1947. Class 43.

431,099. CHINA, PORCELAIN AND EARTHENWARE ARTICLES—NAMELY, VASES, FLOWER CONTAINERS, FRUIT BOWLS, URNS, TEA SETS, DINNERWARE, SALT AND PEPPER SHAKERS AND DISHES. CHARLES ADOLPH PETERS, Bayside, Long Island, N. Y.
Filed May 25, 1946. Serial No. 502,766. PUBLISHED APRIL 22, 1947. Class 30.

431,100. LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT. RUBICON, New York, N. Y., assignor to Rubicon, Inc., New York, N. Y.
Filed May 28, 1946. Serial No. 502,923. PUBLISHED APRIL 15, 1947. Class 50.

431,101. HEATING AND ILLUMINATING OILS—NAMELY, PETROLEUM OIL FOR HEATERS, COOK STOVES, AND LAMPS, AND KEROSENE. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed June 3, 1946. Serial No. 503,228. PUBLISHED APRIL 8, 1947. Class 15.

431,102. HEATING AND ILLUMINATING OILS—NAMELY, PETROLEUM OIL FOR HEATERS, COOK STOVES AND LAMPS, AND KEROSENE. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed June 3, 1946. Serial No. 503,229. PUBLISHED APRIL 8, 1947. Class 15.

431,103. COMBS MADE OF PLASTICS, SHELL, AND NON-PRECIOUS METALS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed June 5, 1946. Serial No. 503,316. PUBLISHED APRIL 8, 1947. Class 40.

431,104. MECHANICALLY GROOVED PHONOGRAPH RECORDS AND FOR ALBUMS OF SUCH MECHANICALLY GROOVED PHONOGRAPH RECORDS. SOUVENAIR COMPANY, New York, N. Y.
Filed June 13, 1946. Serial No. 503,836. PUBLISHED APRIL 8, 1947. Class 36.

431,105. PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS. JOHN LUCAS & COMPANY, INCORPORATED, Philadelphia, Pa.
Filed June 19, 1946. Serial No. 504,192. PUBLISHED APRIL 1, 1947. Class 16.

431,106. TRAVELING BAGS, SUIT CASES, AND PORTABLE WARDROBE CASES, AND FITTING CARRIERS THEREFOR. K. KAUFMANN & CO., INC., Newark, N. J.
Filed June 20, 1946. Serial No. 504,277. PUBLISHED APRIL 8, 1947. Class 3.

431,107. MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY. NEWSSTAND PUBLICATIONS INC., New York, N. Y.
Filed June 21, 1946. Serial No. 504,379. PUBLISHED APRIL 15, 1947. Class 38.

431,108. MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY. RED CIRCLE MAGAZINES INC., New York, N. Y.
Filed June 21, 1946. Serial No. 504,388. PUBLISHED APRIL 22, 1947. Class 38.

431,109. HAIR GOODS, MADE OF HUMAN HAIR—NAMELY, WIGS AND TOUPEES. LOUIS FEDER, New York, N. Y.
Filed June 25, 1946. Serial No. 504,536. PUBLISHED APRIL 15, 1947. Class 40.

431,110: HAIR GOODS, MADE OF HUMAN HAIR—NAMELY, WIGS AND TOUPEES. LOUIS FEDER, New York, N. Y.
Filed June 25, 1946. Serial No. 504,537. PUBLISHED APRIL 15, 1947. Class 40.

431,111. PUBLICATION ISSUED FROM TIME TO TIME. EL PASO NATURAL GAS COMPANY, El Paso, Tex.
Filed July 1, 1946. Serial No. 504,887. PUBLISHED APRIL 8, 1947. Class 38.

431,112. NEWSPAPER CARTOON FEATURE. GENERAL FEATURES CORPORATION. New York, N. Y.
Filed July 3, 1946. Serial No. 505,052. PUBLISHED APRIL 22, 1947. Class 38.

431,113. MAGAZINES PUBLISHED FROM TIME TO TIME. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed July 9, 1946. Serial No. 505,326. PUBLISHED APRIL 22, 1947. Class 38.

431,114. STOCK MARKET INVESTMENT SERVICE REPORTS AND STOCK ANALYSES IN SINGLE OR MULTIPLE PAGE FORM PUBLISHED AND DISTRIBUTED AT IRREGULAR INTERVALS. STOCK MARKET TREND SERVICE INC., Boston, Mass.
Filed July 13, 1946. Serial No. 505,627. PUBLISHED APRIL 22, 1947. Class 38.

431,115. CAPS AND CLOSURE SEALS FOR BOTTLES AND OTHER CONTAINERS. ALUMINUM SEAL COMPANY, Arnold, Pa.
Filed July 18, 1946. Serial No. 505,792. PUBLISHED APRIL 15, 1947. Class 50.

431,116. STRAIGHT PINS, SAFETY PINS, T-PINS, AND SNAP FASTENERS. A. MEYERS & SONS CORP., New York, N. Y.
Filed July 30, 1946. Serial No. 506,539. PUBLISHED APRIL 8, 1947. Class 40.

431,117. LUGGAGE—NAMELY, HAT BOXES, VANITY CASES, OVERNIGHT CASES AND SUITCASES. LUCE MANUFACTURING COMPANY, doing business as Lucky Tripper Luggage Company, Kansas City, Mo.
Filed August 10, 1946. Serial No. 507,203. PUBLISHED APRIL 8, 1947. Class 3.

431,118. ARTIFICIAL FLOWERS. ALICE K. ROSENBERG, New York, N. Y.
Filed August 10, 1946. Serial No. 507,220. PUBLISHED APRIL 8, 1947. Class 40.

431,119. BUTTONS. NAUS TRIMMING CO., INC., New York, N. Y.
Filed August 17, 1946. Serial No. 507,589. PUBLISHED APRIL 8, 1947. Class 40.

431,120. BOB PINS, HAIR PINS, COMBS, AND NON-ELECTRIC HAIR CURLERS. BEE-EM MANUFACTURING CO., INC., Brooklyn, N. Y.
Filed August 28, 1946. Serial No. 508,138. PUBLISHED APRIL 8, 1947. Class 40.

431,121. YARN. KNITTERS YARN, INC., Philadelphia, Pa.
Filed September 21, 1946. Serial No. 509,518. PUBLISHED APRIL 15, 1947. Class 43.

431,122. CATALYSTS FOR THE HYDROFORMING, REFORMING, CRACKING, DESULFURIZATION, AROMATIZATION, CYCLIZATION, ISOMERIZATION, DEHYDROGENATION, HYDROGENATION, POLYMERIZATION, ALKYLATION, AND THE LIKE OF PETROLEUM HYDROCARBONS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed October 18, 1946. Serial No. 511,120. PUBLISHED APRIL 15, 1947. Class 6.

431,123. WOMEN'S HANDBAGS, BILLFOLDS, KEY CASES AND COIN CASES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 25, 1946. Serial No. 511,509. PUBLISHED APRIL 8, 1947. Class 3.

431,124. LADIES' AND MISSES' HANDBAGS. FISHBEIN & CO., INC., New York, N. Y.
Filed October 26, 1946. Serial No. 511,547. PUBLISHED APRIL 8, 1947. Class 3.

431,125. WOMEN'S LEATHER AND PLASTIC HANDBAGS. BELDING HEMINWAY COMPANY, New York, N. Y.
Filed October 31, 1946. Serial No. 511,789. PUBLISHED APRIL 8, 1947. Class 3.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRU TEST LABORATORIES, INC., Philadelphia, Pa. Filed Sept. 15, 1944. Serial No. 474,250.

TRU TEST

FOR CHEMICAL REAGENTS FOR MAKING ANALYTICAL TESTS AND DETERMINATIONS OF BOILER WATER, SEWAGE, SOIL, COAL AND OTHER SUBSTANCES AND DETERMINING THEIR HARDNESS, ALKALINITY, pH VALUE AND CONTENT OF CHLORIDES, SULPHATES, SULPHITES, CARBON DIOXIDE, DISSOLVED OXYGEN, PHOSPHATES, IRON AND AMMONIA AND OTHER CHARACTERISTICS—NAMELY, IODINE SOLUTION, THIOSULPHATE SOLUTION, MOLYBDATE REAGENT, STANNOUS CHLORIDE SOLUTION, SOLUBLE STARCH POWDER, STABLE STARCH SOLUTION, ACETIC ACID, MANGANOUS SULPHATE SOLUTION, METHYL ORANGE INDICATOR SOLUTION, PHENOLPHTHALINE INDICATOR SOLUTION, POTASSIUM CHROMATE INDICATOR SOLUTION, SILVER NITRATE SOLUTION, pH WIDE RANGE INDICATOR SOLUTION, SULPHURIC ACID, NITRIC ACID, IODIDE-IODATE SOLUTION.
Claims use since May 3, 1944.

431,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN CAMP SEA FOOD CO., INC., doing business as Van Camp Laboratories, Terminal Island and Fish Harbor, Terminal Island, Calif. Filed Apr. 16, 1945. Serial No. 482,231.

VAN CAMP
LABORATORIES

FOR VITAMIN PRODUCTS IN SOLUTION IN FISH OIL FOR ANIMAL CONSUMPTION.
Claims use since Jan. 2, 1939.

431,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELENE CURTIS INDUSTRIES, a division of The National Mineral Company, Chicago, Ill.; The National Mineral Company, now by change of name Helene Curtis Industries, Inc. Filed Oct. 31, 1945. Serial No. 490,797.

END OIL

FOR OIL PREPARATION FOR USE IN COLD WAVING OF HAIR.
Claims use since Oct. 5, 1945.

431,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TONE LABORATORIES, INC., New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York. Filed Nov. 14, 1945. Serial No. 491,600.

Milk-Tone

FOR CAKE MAKE-UP.
Claims use since Oct. 31, 1945.

431,130. (CLASS 33. GLASSWARE.) POLAN INDUSTRIES, doing business as Zenith Optical Company, Huntington, W. Va. Filed Nov. 23, 1945. Serial No. 492,091.

Polan

FOR GLASS COOKING UTENSILS AND DISHES.
Claims use since July 1944.

431,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH S. PECKER, Los Angeles, Calif. Filed Jan. 2, 1946. Serial No. 494,261.

ReadyMaid

FOR LIQUID LAUNDRY STARCH.
Claims use since Nov. 2, 1945.

431,132. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE GRENEKER CORPORATION, New York, N. Y. Filed Jan. 17, 1946. Serial No. 494,902.

GRENEKER

FOR HEADS AND MANIKINS USED FOR THE DISPLAY OF HATS AND CLOTHING.
Claims use since about Dec. 28, 1945.

431,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOVA CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 25, 1946. Serial No. 495,402.

NOVADYE

FOR DYESTUFFS AND PIGMENT COLORS FOR USE IN COLORING TEXTILES, LEATHERS AND PAPERS.
Claims use since Jan. 9, 1946.

431,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLEN B. WRISLEY COMPANY, Chicago, Ill. Filed Feb. 16, 1946. Serial No. 496,747.

Spruce!

FOR LOTION FOR SOOTHING OR SOFTENING THE SKIN OF THE FACE OR HANDS.
Claims use since June 1942.

431,135. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE BLAZIER, SR., Vancouver, Wash. Filed Mar. 4, 1946. Serial No. 497,589.

NO—BLAZE

FOR LIQUID CHEMICAL FOR USE AS A WOOD PRESERVER AND FIRE RETARDANT.
Claims use since Feb. 18, 1946.

431,136. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) WINDSOR-LLOYD PRODUCTS, INC., Philadelphia, Pa. Filed Mar. 5, 1946. Serial No. 497,686.

·DALE·

FOR SPARK PLUGS.
Claims use since Jan. 2, 1946.

431,137. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LELAND J. ARMS, San Francisco, Calif. Filed Mar. 11, 1946. Serial No. 497,987.

The
Listener's Digest

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Feb. 11, 1946.

431,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Apr. 15, 1946. Serial No. 500,261.

DED-WEED

FOR HERBICIDE CONSISTING OF A MIXTURE OF CHEMICALS FOR WEED CONTROL IN LAWNS, PASTURES AND FOR AGRICULTURAL PURPOSES.
Claims use since Sept. 14, 1945.

431,139. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PELHAM PRODUCTS, New York, N. Y. Filed May 7, 1946. Serial No. 501,593.

PELHAM

FOR MUSICAL INSTRUMENTS—NAMELY, BUGLES, VALVE BUGLES, TRUMPETS, CLARINETS, CORNETS, FLUTES, PICCOLOS, TROMBONES; AND MUSICAL SUPPLIES—NAMELY, STANDS FOR CYMBALS, PEDAL STANDS FOR CYMBALS, STANDS FOR DRUMS, STANDS FOR GUITARS, BASS DRUM PEDALS, DRUMMER'S THRONES, BASE VIOLIN STANDS, MUTE STANDS, CYMBAL HOLDERS, ROCKING CUPS, AND A VARIETY OF STANDS FOR ALL MAKES OF INSTRUMENTS.
Claims use since Mar. 26, 1946.

431,140. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN W. MURPHY, doing business as Murphy Laboratories, Upper Darby, Pa., assignor to Murphy Laboratories Inc., Upper Darby, Pa. Filed May 8, 1946. Serial No. 501,678.

EVERGREEN
PINE OIL

FOR DISINFECTANT, DEODORANT, AND GERMICIDE.
Claims use since April 1944.

431,141. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS AND PROJECTILES.) UNIVERSAL MATCH CORPORATION, St. Louis, Mo. Filed May 8, 1946. Serial No. 501,697.

AQUA-PRUF

FOR MATCHES.
Claims use since Apr. 1, 1946.

431,142. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) FRANZ VOGEL COMPANY, INC., New York, N. Y. Filed May 10, 1946. Serial No. 501,888.

VOGEL

FOR UMBRELLAS.
Claims use since Mar. 20, 1946.

431,143. (CLASS 39. CLOTHING.) MURRAY WHITE COMPANY, Boston, Mass. Filed May 18, 1946. Serial No. 502,413.



The pictures of the girls appearing in the mark are fanciful.
FOR MISSES' AND LADIES' DRESSES.
Claims use since Jan. 15, 1946.

431,144. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEACON LABORATORIES, New Brunswick, N. J. Filed May 25, 1946. Serial No. 502,734.

Freezaid

FOR PREPARATION FOR PREVENTING BROWNING AND FLAVOR LOSS IN THE FREEZING AND CANNING OF FRUITS AND VEGETABLES.
Claims use since Jan. 1, 1946.

431,145. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J. Filed June 6, 1946. Serial No. 503,344.

HI-THERM

FOR BOTTLED GAS.
Claims use since Jan. 5, 1945.

431,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BOTTLED GAS COMPANY OF AMERICA, Westfield, N. J. Filed June 6, 1946. Serial No. 503,345.

Hi
THERM
Bottled GAS

FOR BOTTLED GAS.
Claims use since Apr. 11, 1946.

431,147. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. T. STROMMEN, Arcadia, Calif. Filed June 10, 1946. Serial No. 503,615.

MINT LIPS

FOR LIPSTICK.
Claims use since Mar. 10, 1930.

431,148. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed June 12, 1946. Serial No. 503,730.

"Lektrik-Spray"

FOR ELECTRIC PAINT SPRAYERS, CONSISTING OF A SPRAY GUN AND NOZZLES, ELECTRIC MOTOR, AIR AND MATERIAL HOSES AND COUPLINGS, AND MATERIAL SUPPLY CONTAINER SOLD AS A UNIT.
Claims use since Apr. 10, 1946.

431,149. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SAYRE MANUFACTURING COMPANY, Milwaukee, Wis. Filed June 21, 1946. Serial No. 504,395.

TWINLOCK

FOR GARMENT HANGERS.
Claims use since Dec. 15, 1945.

431,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTORY CAKE COMPANY, Newark, N. J. Filed June 26, 1946. Serial No. 504,647.

Buffington

FOR DATE-NUT ROLL.
Claims use since Mar. 7, 1946.

431,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMOND ROSENS, Paris, France. Filed July 2, 1946. Serial No. 505,012.



PIERRE DUNE
Parfumeur
40 RUE DE PRONY PARIS

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since May 31, 1939.

431,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES THOMAS KELLEY, Portland, Oreg. Filed July 16, 1946.

KELLEYS
★ EZY-RUB ★

FOR MEDICAMENT FOR THE RELIEF OF COMMON HEAD COLDS.
Claims use since Sept. 1, 1943.

431,153. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) DANCO CORPORATION, New York, N. Y. Filed July 17, 1946. Serial No. 505,737.



DANCO

FOR TOBACCO PIPES.
Claims use since October 1944.

431,154. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) TRIMFOOT COMPANY, Farmington, Mo. Filed July 18, 1946. Serial No. 505,868.

SPORT-SOLE

FOR METATARSAL INSOLES AND ARCH SUPPORTS.
Claims use since May 1, 1946.

431,155. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HALL-WATSON COMPANY, INC., New York, N. Y. Filed Aug. 9, 1946. Serial No. 507,123.

FLOW-RITE

FOR CHEMICAL ADDITION TO FUEL OIL FOR THE ELIMINATION OF SLUDGE AND REMOVAL OF CARBON.
Claims use since Apr. 8, 1946.

431,156. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HINSON & COMPANY, Richmond, Ind. Filed Aug. 7, 1946. Serial No. 507,772.

HINSON
complete

FOR DRY CLEANER, PORE FILLER POLISH AND WAXING COMPOSITION IN LIQUID OR PASTE FORM, COMPRISING A MIXTURE OF AN EVAPORANT AND POWDER, TO BE APPLIED IN LIQUID OR PASTE FORM TO THE SURFACE TO BE TREATED, AND REMOVED BY RUBBING, FOR CLEANING, WAXING AND POLISHING PURPOSES.

Claims use since Nov. 1, 1944.

431,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ISLAND SPECIALTY CO., INC., New York and Brooklyn, N. Y. Filed Sept. 21, 1946. Serial No. 509,516.

LALITA-BRAND

FRIT-R
Makes Delicious Fritters

FOR PREPARED MIX FOR THE MAKING OF FRITTERS.

Claims use since November 1945.

431,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELEN FRANCES EDWARDS, doing business as Helen Frances Edwards Creations, New York, N. Y. Filed Nov. 12, 1946. Serial No. 512,402.



The color red is actually used in the mark as lined.

FOR CHEMICAL COMPOUND, IN POWDER FORM, USED FOR THE PURPOSE OF PRODUCING COLOR EFFECT AND EMITTING SCENTED ODORS FROM LOG FIRES IN OPEN LOG BURNING FIREPLACES.

Claims use since September 1945.

TRADE-MARK REGISTRATIONS RENEWED

28,974. **"SINGLE TUBE" AND DESIGN.** PNEUMATIC TIRES OF THE SINGLE-TUBE VARIETY. Registered Oct. 6, 1896. THE HARTFORD RUBBER WORKS COMPANY, Hartford, Conn. Re-renewed Oct. 6, 1946, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

29,094. **"ELLIMAN'S" ETC. AND DRAWING.** EMBROCATION FOR HUMAN USE. Registered Nov. 3, 1896. ELLIMAN SONS & CO. Re-renewed Nov. 3, 1946, to Elliman Sons & Co., Limited, Slough, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 6.

29,363. **PEARL.** ALUM. Registered Dec. 29, 1896. HARRISON BROTHERS & CO., Philadelphia, Pa. Re-renewed Dec. 29, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

29,814. **"BETALPH" AND DIAMOND SHAPED DESIGN.** MERINO DRY GOODS, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. Registered Apr. 13, 1897. BENJAMIN ALTMAN. Re-renewed Apr. 13, 1947, to B. Altman & Co., New York, N. Y., a corporation of New York. Classes 39 and 42.

53,335. **"APOLLINARIS" AND DESIGN.** MINERAL WATER. Registered May 29, 1906. DIE ACTIENGESELLSCHAFT APOLLINARIS BRUNNEN, Neuenahr, Germany. Re-renewed May 29, 1946, to The Apollinaris Company Limited, London, England, a joint stock company of Great Britain. Class 45.

56,830. **"COTTON WHITE" AND DESIGN.** WHEAT-FLOUR. Registered Oct. 23, 1906. THE NEW CENTURY MILLING COMPANY. Re-renewed Oct. 23, 1946, to Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex., a corporation of Delaware. Class 46.

57,224. **LOS NEGRITOS.** WASHING-POWDER. Registered Nov. 6, 1906. THE N. K. FAIRBANK COMPANY, Jersey City, N. J. Re-renewed Nov. 6, 1946, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

57,255. **"FLATTINE" WITHIN A DIAMOND SHAPED OUTLINE.** PAINTS, VARNISHES, AND OILS USED IN CONNECTION WITH THE SAME. Registered Nov. 6, 1906. STANDARD VARNISH WORKS, New York, N. Y., a corporation of New York. Re-renewed Nov. 6, 1946. Class 16.

57,538. **MALTHOID.** WATERPROOF AND WEATHERPROOF BUILDING AND ROOFING MATERIALS MADE OF PAPER AND FELT IN WHOLE OR IN PART. Registered Nov. 13, 1906. THE PARAFFINE PAINT CO. Re-renewed Nov. 13, 1946, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of California. Class 12.

57,708. **"PUT A LITTLE SUNSHINE IN YOUR HOME". PICTURES OF BOY AND GIRL ENCLOSED WITHIN RECTANGULAR OUTLINE.** A STAIN FOR IMITATING NATURAL WOOD ON ANY SURFACE, MADE IN DIFFERENT COLORS, ALSO CLEAR. Registered Nov. 27, 1906. HEATH & MILLIGAN MFG. CO. Re-renewed Nov. 27, 1946, to The Glidden Company, Chicago, Ill., a corporation of Ohio. Class 16.

57,789. **"L & CO." AND OVAL DESIGN.** WOODEN TOBACCO-PIPES. Registered Nov. 27 1906. LOEWE & CO. Re-renewed Nov. 27, 1946, to Loewe & Co., Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 8.

58,249. **COLT.** RIFLES AND GUNS. Registered Dec. 11, 1906. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn., a corporation of Connecticut. Re-renewed Dec. 11, 1946. Class 9.

58,277. **REPRESENTATION OF A COLT, ETC.** RIFLES AND GUNS. Registered Dec. 11, 1906. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn., a corporation of Connecticut. Re-renewed Dec. 11, 1946. Class 9.

58,278. **COLT'S PT. F. A. MFG. CO. HARTFORD. CT. U. S. A.** RIFLES AND GUNS. Registered Dec. 11, 1906. COLT'S PATENT FIRE ARMS MANUFACTURING CO., Hartford, Conn., a corporation of Connecticut. Re-renewed Dec. 11, 1946. Class 9.

58,590. **"JONES DAIRY FARM." ETC. WITHIN RECTANGULAR OUTLINE.** SAUSAGES. Registered Dec. 18, 1906. THE JONES DAIRY FARM. Re-renewed Dec. 18, 1946, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

58,648. **"LITTLE SAUSAGES JONES DAIRY FARM" AND DRAWING.** SAUSAGES. Registered Dec. 18, 1906. THE JONES DAIRY FARM. Re-renewed Dec. 18, 1946, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

58,761. **LYDIA E. PINKHAM'S LIVER PILLS.** PILLS FOR TREATMENT OF THE LIVER. Registered Dec. 25, 1906. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass., a corporation of Maine. Re-renewed Dec. 25, 1946. Class 6.

59,228. **STOVAINE.** ANESTHETIC PREPARATION. Registered Jan. 1, 1907. LES ÉTABLISSEMENTS POULENC FRÈRES. Re-renewed Jan. 1, 1947, to Société des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation organized under the laws of France. Class 6.

59,350. **REPRESENTATION OF A SEAL.** BROOCHES, STICK-PINS, SCARF-PINS, AND OTHER ORNAMENTAL PINS, EAR-RINGS, CHAINS, SLEEVE BUTTONS AND LINKS, AND OTHER NAMED ITEMS OF JEWELRY. Registered Jan. 8, 1907. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Jan. 8, 1947. Class 28.

59,517. **CREOLIN.** DISINFECTANTS IN LIQUID FORM AND IN THE FORM OF POWDER, DEODORANTS, GERM-DESTROYERS, AND SHEEP-DIP. Registered Jan. 8, 1907. WILLIAM PEARSON, Hamburg, Germany. Re-renewed Jan. 8, 1947, to The Creolin Co., Rahway, N. J., a corporation of New Jersey. Class 6.

59,561. **ATLAS.** COAL-TAR DYES AND VEGETABLE DYE EXTRACTS FOR CONFECTIONERS' USE. Registered Jan. 8, 1907. H. KOHNSTAMM & CO. Re-renewed Jan. 8, 1947, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York. Class 6.

59,664. **"VAN DYCK" AND PORTRAIT.** CIGARS, CHEROOTS, AND LITTLE CIGARS. Registered Jan. 15, 1907. ESBERG-GUNST COMPANY. Re-renewed Jan. 15, 1947, to General Cigar Co., Inc., New York, N. Y., a corporation of New York. Class 17.

60,192. **KOH-I-NOOR.** CARBON-PAPER AND CHEMICAL PAPER FOR USE WITH A TYPE-WRITER OR FOR MANIFOLDING, ETC. Registered Jan. 29, 1907. EGON HASSINGER, Paris, France. Re-renewed Jan. 29, 1947, to L. & C. Hardtmuth, Inc., Bloomsbury, N. J., a corporation of New Jersey. Class 11.

60,198. **WEDGWOOD.** PORCELAIN, STONEWARE, AND EARTHENWARE, INCLUDING JASPER. Registered Jan. 29, 1907. JOSIAH WEDGWOOD & SONS LTD., Etruria, Stoke upon Trent, England. Re-renewed Jan. 29, 1947, to Josiah Wedgwood & Sons Ltd., Barlaston, Stoke upon Trent, England, a corporation organized under the laws of Great Britain. Class 30.

60,375. **REPRESENTATION OF A SEAL.** WATCH-MOVEMENTS AND WATCHCASES. Registered Feb. 5, 1907. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Feb. 5, 1947. Class 27.

60,458. **DAIRY FARM.** SAUSAGES, HAMS, BACON, SALT PORK, AND LARD. Registered Feb. 12, 1907. THE JONES DAIRY FARM. Re-renewed Feb. 12, 1947, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

60,482. **FORT ATKINSON.** SAUSAGES, HAMS, BACON, SALT PORK, AND LARD. Registered Feb. 12, 1907. THE JONES DAIRY FARM. Re-renewed Feb. 12, 1947, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

60,532. **"KOH-I-NOOR.".** ARTISTS' BRUSHES. Registered Feb. 12, 1907. L. & C. Hardtmuth, Vienna and Budweis, Austria-Hungary, and London, England. Re-renewed Feb. 12, 1947, to L. & C. Hardtmuth, Inc., Bloomsbury, N. J., a corporation of New Jersey. Class 29.

60,620. **W.** RELOADING-TOOLS, WIPING-RODS, GUN-CLEANERS, GUN-COVERS, SLING-STRAPS AND BUCKLES, AND SCABBARDS. Registered Feb. 12, 1907. WINCHESTER REPEATING ARMS CO. Re-renewed Feb. 12, 1947, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Class 9.

60,972. **"CLEAR CUT" AND DESIGN.** HATCHETS, AXES, CHISELS, GOUGES, DRAWING-KNIVES, COLD-CHISELS, AUGER-BITS, SAWS, PRUNING-SHEARS, TINNERS' SNIPS, MATTOCKS, SCYTHES, BUSH-HOOKS, FILES, AND RASPS. Registered Feb. 26, 1907. DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif., a corporation of California. Re-renewed Feb. 26, 1947. Class 23.

61,297. **JONES DAIRY FARM.** SAUSAGES, HAMS, BACON, SALT PORK, AND LARD. Registered Mar. 12, 1907. THE JONES DAIRY FARM. Re-renewed Mar. 12, 1947, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

61,788. **"GALAXY MILLS GOLD MEDAL" IN A CIRCULAR DESIGN.** WHEAT-FLOUR. Registered Apr. 2, 1907. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY. Re-renewed Apr. 2, 1947, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

62,136. **A REPRESENTATION OF A DUTCH BOY AND OTHER FEATURES.** WHITE LEAD. Registered Apr. 23, 1907. NATIONAL LEAD COMPANY, Jersey City, N. J., and New York, N. Y. Re-renewed Apr. 23, 1947, to National Lead Company, New York, N. Y., a corporation of New Jersey. Class 16.

62,243. **"ENSIGN, BICKFORD & CO." IN A CIRCULAR OUTLINE.** FUSES. Registered Apr. 30, 1907. COAST MANUFACTURING & SUPPLY CO., Berkeley, Calif. Re-renewed Apr. 30, 1947, to The Ensign-Bickford Co., Simsbury, Conn., a corporation of Connecticut. Class 9.

62,268. **JONES.** SAUSAGES, HAMS, BACON, SALT PORK AND LARD. Registered Apr. 30, 1907. THE JONES DAIRY FARM. Re-renewed Apr. 30, 1947, to Jones Dairy Farm, Fort Atkinson, Wis., a corporation of Wisconsin. Class 46.

62,316. **NEWTON.** MILLING MACHINES, PLANING MACHINES, DRILLING AND BORING MACHINES, SLOTTING MACHINES, COLD SAWING MACHINES, GEAR CUTTING MACHINES, SHAPING MACHINES, AND WORM WHEEL CUTTING MACHINES. Registered Apr. 30, 1907. NEWTON MACHINE TOOLWORKS, INCORPORATED, Philadelphia, Pa. Re-renewed Apr. 30, 1947, to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware. Class 23.

212,208. **ELBO-RONI.** READY-CUT MACARONI. Registered Apr. 27, 1926. KANSAS CITY MACARONI & IMPORTING CO., doing business as American Beauty Macaroni Co. Renewed Apr. 27, 1946, to American Beauty Macaroni Company, Kansas City, Mo., a corporation of Missouri. Class 46.

217,285. **"PI-LE-O" AND DESIGN.** SALVE USED EXTERNALLY FOR ANY INFLAMMATORY CONDITION, SUCH AS CUTS, BRUISES, BOILS, OR ANY AILMENT OF SUCH NATURE. Registered Aug. 31, 1926. E. KINGSLAND JOHNSON, Fishkill, N. Y. Renewed Aug. 31, 1946, to Kingsland E. Johnson and Mabelle Johnson Brown, New Bedford, Mass., a partnership. Class 6.

218,360. **"BLACK LINE" AND DESIGN.** REEDS FOR WIND MUSICAL INSTRUMENTS. Registered Sept. 28, 1926. J. SCHWARTZ MUSIC CO., INC. Renewed Sept. 28, 1946, to Micro Musical Products Corporation, New York, N. Y., a corporation of New York. Class 36.

220,129. **SWEET SIXTEEN.** CORSETS, BRASSIÈRES, GIRDLES, BANDEAUX, CORSET WAISTS, CAMISOLES, COMBINATIONS OF BRASSIÈRES AND GIRDLES, BRASSIÈRES AND CORSETS, BRASSIÈRES AND STEP-INS, AND OTHER SUCH CLOTHING. Registered Nov. 2, 1926. AMERICAN LADY CORSET CO., Detroit, Mich., a corporation of Michigan. Renewed Nov. 2, 1946. Class 39.

220,395. **"JONAS" ETC. AND DESIGN.** LADIES' HATS, COATS, AND GOWNS. Registered Nov. 9, 1926. JULIET JOHANNA JONAS, also known as Juliet J. Jonas, New York, N. Y. Renewed Nov. 9, 1946. Class 39.

220,398. **"DOLLFUS-MIEG & CIE DMC" ENCLOSED IN A CIRCLE BETWEEN TWO HORIZONTAL LINES.** THREADS, TWISTS, AND YARNS. Registered Nov. 9, 1926. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, France, a corporation organized under the laws of France. Renewed Nov. 9, 1946. Class 43.

220,399. **"DOLLFUS-MIEG & CIE CORDONNET SPÉCIAL DMC" ETC. IN A CIRCULAR DESIGN.** THREADS, TWISTS, AND YARNS. Registered Nov. 9, 1926. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, France, a corporation organized under the laws of France. Renewed Nov. 9, 1946. Class 43.

220,400. **"DOLLFUS-MIEG & CIE DMC" ENCLOSED IN A CIRCLE.** THREADS, TWISTS, AND YARNS. Registered Nov. 9, 1926. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, France, a corporation organized under the laws of France. Renewed Nov. 9, 1946. Class 43.

220,644. **4711.** TALCUM POWDER, BATH DUSTING POWDER, AND TOILET POWDER. Registered Nov. 16, 1926. MULHENS & KROPFF, INCORPORATED, New York, N. Y. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Nov. 16, 1946. Class 6.

220,653. **"DOLLFUS-MIEG & CIE DMC" ETC. ENCLOSED IN A CIRCLE BETWEEN TWO HORIZONTAL LINES.** THREADS, TWISTS, AND YARNS. Registered Nov. 16, 1926. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, France, a corporation organized under the laws of France. Renewed Nov. 16, 1946. Class 43.

220,855. **SPANISH DANCER.** CORSETS, BRASSIÈRES, GIRDLES, BANDEAUX, CORSET WAISTS, CAMISOLES; COMBINATIONS OF BRASSIÈRES AND GIRDLES, BRASSIÈRES AND CORSETS, BRASSIÈRES AND STEP-INS, AND OTHER SUCH CLOTHING. Registered Nov. 16, 1926. AMERICAN LADY CORSET CO., Detroit, Mich., a corporation of Michigan, Renewed Nov. 16, 1946. Class 39.

221,342. **"THE PRIDE OF FLANDERS" ETC. AND DRAWING.** LINEN FABRICS IN THE PIECE. Registered Nov. 30, 1926. WEIL & DURRSE. Renewed Nov. 30, 1946, to Weil & Durrse, Inc., New York, N. Y., a corporation of New York. Class 42.

221,381. **"NOVAFLEX" AND WAVED UNDERLINES.** SENSITIVE PHOTOGRAPHIC PAPERS AND PLATES, FILMS, FILM PACKS, PORTRAIT FILMS, CINEMATOGRAPH FILMS, AND CAMERAS. Registered Nov. 30, 1926. GEVAERT PHOTO PRODUCTEN NAAMLOOZE VENNOOTSCHAP, Oude-God, near Antwerp, Belgium, a company organized under the laws of the Kingdom of Belgium. Renewed Nov. 30, 1946. Class 26.

221,781. **NPL.** TUNING FORKS. Registered Dec. 14, 1926. THE IMPERIAL TRUST FOR THE ENCOURAGEMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, London, England, a company organized under the laws of Great Britain. Renewed Dec. 14, 1946. Class 36.

221,996. **"ALICE FOOTE MacDOUGALL" AND SILHOUETTE OF HER FACE.** COFFEE, TEA, AND COCOA. Registered Dec. 21, 1926. ALICE FOOTE MACDOUGALL & SONS, INCORPORATED. Renewed Dec. 21, 1946, to Rella G. MacDougall, administratrix c. t. a. of the estate of Alice Foote MacDougall (deceased), New York, N. Y. Class 46.

222,152. **"ROTHMOOR" AND EAGLE DESIGN IN A RECTANGULAR OUTLINE.** LADIES' COATS. Registered Dec. 21, 1926. SCHENKER, MICHEL & WEINSTOCK, INC. Renewed Dec. 21, 1946, to Rothmoor Corporation, Chicago, Ill., a corporation of Delaware. Class 39.

222,452. **WILKNIT.** HOSIERY. Registered Jan. 4, 1927. WILKNIT HOSIERY COMPANY, Greenfield, Ohio, a partnership. Renewed Jan. 4, 1947. Class 39.

222,514. **NPL.** CLINICAL THERMOMETERS. Registered Jan. 4, 1927. THE IMPERIAL TRUST FOR THE ENCOURAGEMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, London, England, a company organized under the laws of Great Britain. Renewed Jan. 4, 1947. Class 44.

222,549. **"SPEEDBALL".** LETTERING, WRITING, AND DRAWING INK. Registered Jan. 4, 1927. C. HOWARD PEN COMPANY, Camden, N. J., a corporation of New Jersey. Renewed Jan. 4, 1947. Class 11.

222,862. **PRINCESS MARY.** FACE POWDER. Registered Jan. 11, 1927. FRENCH BEAUTY PRODUCTS CO., INC. Renewed Jan. 11, 1947, to Harriet Hubbard Ayer, New York, N. Y., a corporation of New York. Class 6.

222,872. **"SECURITY" AND REPRESENTATION OF A BOY.** BOYS' SUITS, INCLUDING COAT AND PANTS, AND FOR MEN'S NEGLIGEE AND DRESS SHIRTS. Registered Jan. 11, 1927. L. KLEIN, INC., Chicago, Ill., a corporation of Illinois. Renewed Jan. 11, 1947. Class 39.

222,876. **FAIRMOUNT.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered Jan. 11, 1927. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 42.

222,877. **FANCY DUPLEX.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered Jan. 11, 1927. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 42.

223,126. **VERPLEX.** REPRODUCED ART PICTURES. Registered Jan. 18, 1927. THE VERPLEX COMPANY, Bound Brook, N. J. Renewed Jan. 18, 1947, to The Verplex Company, Essex, Conn., a corporation of Connecticut. Class 38.

223,215. **"LANSEA" ETC. AND REPRESENTATION OF A GIRL WITH A GOLF CLUB WITHIN OVAL BORDER.** KNITTED SUITS, KNITTED DRESSES, KNITTED SWEATERS, AND SCARFS. Registered Jan. 18, 1927. ROBERT R. BORONOW LIMITED, Montreal, Quebec, Canada, a corporation organized under the laws of the Dominion of Canada. Renewed Jan. 18, 1947. Class 39.

223,441. **SQUARE, CIRCULAR AND RECTANGLE DESIGNS OF VARIOUS COLORS.** SPICES AND FLAVORING EXTRACTS FOR FOODS. Registered Feb. 1, 1927. JOSEPH BURNETT COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed Feb. 1, 1947. Class 46.

223,606. **"BIG YANK" AND DESIGN.** MEN'S ATHLETIC UNDERWEAR OF TEXTILE FABRIC. Registered Feb. 8, 1927. RELIANCE MANUFACTURING COMPANY. Renewed Feb. 8, 1947, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois. Class 39.

224,081. **THE GIFT THAT KEEPS ON GIVING.** TALKING MACHINES AND PARTS THEREOF, TALKING MACHINES AND PARTS THEREOF ADAPTED FOR COMBINATION WITH RADIO RECEIVING SETS, AND TALKING-MACHINE RECORDS. Registered Feb. 15, 1927. VICTOR TALKING MACHINE COMPANY, Camden, N. J. Renewed Feb. 15, 1947, to Radio Corporation of America, New York, N. Y., a corporation of Delaware. Class 36.

224,167. **"AMERICAN BRAND DENATURED ALCOHOL" ENCLOSED IN A CIRCULAR DESIGN.** DENATURED ALCOHOL. Registered Feb. 22, 1927. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Renewed Feb. 22, 1947, to Commercial Solvents Corporation, New York, N. Y., a corporation of Maryland. Class 6.

224,182. **"A BONECA" ETC. AND REPRESENTATION OF A DUTCH WOMAN.** SOAP POWDER COMBINED WITH MINERAL INGREDIENTS. Registered Feb. 22, 1927. THE CUDAHY PACKING COMPANY, Chicago, Ill., a corporation of Maine. Renewed Feb. 22, 1947. Class 4.

224,953. **ZINO.** PADS AND PLASTERS FOR CORNS, BUNIONS, AND CALLI. Registered Mar. 8, 1927. THE SCHOLL MFG. CO. INC., Chicago, Ill., a corporation of New York. Renewed Mar. 8, 1947. Class 44.

225,340. **"E S" AND RECTANGULAR BORDER WITH ROUNDED ENDS.** ELECTRICALLY-OPERATED ELEVATORS, LIFTS, AND PLATFORMS, ELECTROMAGNETIC CONTROL MACHINES, ELECTRICAL SIGNAL SYSTEMS FOR ELEVATORS, AND OTHER NAMED ELECTRICAL ITEMS. Registered Mar. 15, 1927. ELEVATOR SUPPLIES COMPANY, INC., Hoboken, N. J. Renewed Mar. 15, 1947, to Elevator Supplies Company, Inc., Perth Amboy, N. J., a corporation of New Jersey. Class 21.

225,399. **BEL PAESE.** CHEESES. Registered Mar. 15, 1927. SOCIETA ANONIMA EGIDIO GALBANI, Melzo, Italy. Renewed Mar. 15, 1947, to Bel Paese Sales Co. Inc., New York, N. Y., a corporation of New York. Class 46.

225,425. **"BUSTER" AND RECTANGLE DESIGN.** NON-ALCOHOLIC MALTLESS BEVERAGES AND FLAVORS THEREFOR. Registered Mar. 15, 1927. THE ORANGE SMILE SIRUP COMPANY. Renewed Mar. 15, 1947, to The Orange Smile Sirup Company, St. Louis, Mo., a corporation of Missouri. Class 45.

225,452. **"STURDITE" AND DESIGN.** ARTIFICIAL-LEATHER CLOTH OR ARTIFICIAL LEATHER FOR BOOKBINDING PURPOSES. Registered Mar. 22, 1927. L. E. CARPENTER & CO., INC., Newark, N. J. Renewed Mar. 22, 1947, to The Holliston Mills, Inc., Norwood, Mass., a corporation of Massachusetts. Class 50.

225,489. **BEN FRANKLIN.** OIL BURNERS. Registered Mar. 22, 1927. FRANKLIN OIL HEATING, INC. Renewed Mar. 22, 1947, to Columbus Metal Products, Inc., Columbus, Ohio, a corporation of Ohio. Class 34.

225,567. **RAIN-BREAKER.** HOROLOGICAL INSTRUMENTS CONSISTING OF WATCHES. Registered Mar. 22, 1927. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed Mar. 22, 1947. Class 27.

225,598. **ON THE AVENUE.** MONTHLY PUBLICATION AND HOUSE ORGAN. Registered Mar. 22, 1927. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed Mar. 22, 1947. Class 38.

225,741. **KAPLOID.** MEDICINES IN ELASTIC CAPSULE FORM—NAMELY, BLAUD COMPOUND AND SUMBUL COMPOUND TO BE TAKEN INTERNALLY AND USED RESPECTIVELY IN THE TREATMENT OF SECONDARY ANAEMIA, AND OTHER NAMED ILLNESSES. Registered Mar. 22, 1927. HORACE G. DODD, doing business as Eastern Pharmaceutical Co. Renewed Mar. 22, 1947, to Eastern Pharmaceutical Company Incorporated, Richmond, Va., a corporation of Virginia. Class 6.

225,836. **"SPIREX" AND DESIGN.** METAL-WORKING SMALL TOOLS—NAMELY, BORING DRILLS AND BITS OF ALL KINDS, REAMERS, SOCKETS, DRILL HOLDERS, DRILL CHUCKS, ARBORS, MANDRELS, TAPS, MILLS, AND CERTAIN OTHER NAMED MACHINERY. Registered Mar. 29, 1927. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 29, 1947. Class 23.

225,944. **ITECO.** CONDENSATION MATERIAL FOR DENTAL WORK AND DENTURES. Registered Mar. 29, 1927. THE ITECO COMPANY. Renewed Mar. 29, 1947, to Iteco Dental Manufacturing Company, Portland, Oreg., a corporation of Oregon. Class 44.

226,018. **"ASTHMANOL".** PREPARATION FOR THE INTERNAL TREATMENT OF ASTHMA. Registered Mar. 29, 1927. WILLIAM N. POWERS, Miami, Fla. Renewed Mar. 29, 1947. Class 6.

226,024. **"G" AND DIAMOND-SHAPED DESIGN.** DIAMOND-POINTED CUTTING, DRESSING, AND TURNING TOOLS. Registered Mar. 29, 1927. FOLLIARD F. GILMORE, Boston, Mass. Renewed Mar. 29, 1947. Class 23.

226,078. **THERMLO.** CHEMICALS USED IN THE VULCANIZATION OF RUBBER, COMMONLY KNOWN AS RUBBER ACCELERATORS. Registered Mar. 29, 1927. THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Renewed Mar. 29, 1947, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

226,130. **"STAR-LIGHT" WITH FIVE STAR DESIGNS IN A DOME SHAPED OUTLINE.** WHEAT-FLOUR. Registered Mar. 29, 1927. THE RED STAR MILLING CO., Wichita, Kans. Renewed Mar. 29, 1947, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

226,206. **"CALAVERAS CEMENT CO." ETC. AND REPRESENTATION OF BIG TREE ETC. AND CIRCLE DESIGN.** CEMENT. Registered Apr. 5, 1927. CALAVERAS CEMENT COMPANY, San Francisco, Calif., a corporation of Delaware. Renewed Apr. 5, 1947. Class 12.

226,225. **CONTELCO.** CONDENSERS, BREAKER-PLATE ASSEMBLIES, COILS, SWITCHES, TERMINALS, TERMINAL CONNECTERS, RHEOSTATS, TUBE SOCKETS, AND MEAT TENDERERS PROVIDED WITH BUILT-IN ELECTRICAL DRIVING MECHANISM. Registered Apr. 5, 1927. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn. Renewed Apr. 5, 1947, to Great American Industries, Inc., New York, N. Y., a corporation of Delaware. Class 21.

226,235. **PLEE-ZING.** BREAD. Registered Apr. 5, 1927. THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga., assignor to The Plee-Zing Corp. Renewed Apr. 5, 1947, to Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware. Class 46.

226,239. **"CHEST-O-SILVER" AND REPRESENTATION OF A CHEST, ETC.** ROLLED OATS. Registered Apr. 5, 1927. PURITY OATS COMPANY, Keokuk, Iowa. Renewed Apr. 5, 1947, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

226,298. **RAIN-BREAKER.** FANCY JEWELRY CONSISTING OF NECKLACES, PENDANTS, BRACELETS, PINS, FINGER RINGS, STRINGS AND NECKLACES OF PEARLS, AND EARRINGS. Registered Apr. 5 1927. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed Apr. 5, 1947. Class 28.

226,310. **"ART-STONE" AND REPRESENTATION OF A PAINTER'S PALETTE.** MODELING COMPOUND. Registered Apr. 5, 1927. JOHANNA DUMOUCHEL, doing business as Dumouchel's Art-Stone Co., Kalamazoo, Mich. Renewed Apr. 5, 1947. Class 1.

226,331. **MACASPHALT.** ASPHALTIC CONCRETE MIXTURE. Registered Apr. 5, 1927. WM. P. MCDONALD CONSTRUCTION COMPANY, New York and Flushing, N. Y. Renewed Apr. 5, 1947, to Macasphalt Corporation, Dover, Del., and Lakeland, Fla., a corporation of Delaware. Class 12.

226,506. **"VOLTAX" AND OVAL DESIGN.** VARNISHES, ACID-RESISTING ENAMEL, EXTERIOR PAINT, FLAMEPROOF PAINT, METAL-PRESERVATIVE PAINT, GLOSSES (WHICH ARE USED AS A FINISH COAT OVER OTHER PAINTS), BRONZING LIQUID, LINSEED OIL, OIL PAINTS FOR INTERIOR USES, AND STRUCTURAL-STEEL PAINT. Registered Apr. 12, 1927. THE VOLTAX COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed Apr. 12, 1947. Class 16.

226,514. **PERMANITE.** NONFERROUS ALLOYS. Registered Apr. 12, 1927. GENERAL PLATE COMPANY. Renewed Apr. 12, 1947, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts. Class 14.

226,526. **CIRCULAR SEAL ENCLOSING THE LETTER "L".** BOOK PAPER, COVER PAPER, BOND PAPER, WRITING PAPER. Registered Apr. 12, 1927. J. E. LINDE PAPER CO., New York, N. Y., a corporation of New York. Renewed Apr. 12, 1947. Class 37.

226,587. **BOSTITCH.** STAPLES FOR TACKING, STITCHING, AND BINDING. Registered Apr. 12, 1927. BOSTON WIRE STITCHER COMPANY, East Greenwich, R. I. Renewed Apr. 12, 1947, to Boston Wire Stitcher Company, Stonington, Conn., a corporation of Maine. Class 13.

226,739. **REPRESENTATION OF GAUGE ROD COLORED BLACK AND YELLOW.** METAL-RAILWAY-TRACK BRACES, ALSO KNOWN AS GAUGE RODS. Registered Apr. 19, 1927. THOMAS H. EDELBLUTE, doing business as T. H. Edelblute Company, Pittsburgh, Pa. Renewed Apr. 19, 1947, to Edelblute Manufacturing Company, Reynoldsville, Pa., a corporation of Pennsylvania. Class 13.

226,779. **"K-GEL" IN A RECTANGULAR OUTLINE.** CHEMICAL COMPOUND USED FOR THE CLEANING OF STEAM BOILERS. Registered Apr. 19, 1927. W. H. & L. D. BETZ, Philadelphia, Pa., a firm. Renewed Apr. 19, 1947. Class 6.

226,831. **POULTRY SCIENCE.** PERIODICAL. Registered Apr. 19, 1927. POULTRY SCIENCE ASSOCIATION, Urbana, Ill. Renewed Apr. 19, 1947, to Poultry Science Association, Columbia, Mo., a voluntary association of Illinois. Class 38.

226,862. **"TUTTLE'S SWISS CHEESE" ETC. AND DRAWING.** PEPPIKIND CHEESE, AMERICAN CHEESE, SWISS CHEESE, PIMIENTO CHEESE, AND OTHER COMMON MAKES OF CHEESE. Registered Apr. 19, 1927. JESS L. TUTTLE, Oakland, Calif. Renewed Apr. 19, 1947. Class 46.

226,867. **AMESTYLE ENVELOCK.** ENVELOPES. Registered Apr. 19, 1927. JOHN W. FITZGERALD, doing business as Ames Safety Envelope Company, Boston, Mass. Renewed Apr. 19, 1947, to Ames Safety Envelope Company, Somerville, Mass., a corporation of Massachusetts. Class 37.

227,023. **DAISY.** HORSE-SHOE AND RING PITCHING GAMES. Registered Apr. 26, 1927. SCHACHT RUBBER MFG. CO., Huntington, Ind., a corporation of Indiana. Renewed Apr. 26, 1947. Class 22.

227,036. **SHADOTONE.** WRITING PAPER AND ENVELOPES. Registered Apr. 26, 1927. Z. & W. M. CRANE, INC. Renewed Apr. 26, 1947, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts. Class 37.

227,054. **MAZZINI.** MALT SIRUP FOR FOOD PURPOSES, CANDIES, OLIVE OIL, CANNED TOMATOES, MACARONI, CANNED PEAS, CANNED SARDINES, FLAVORING EXTRACTS FOR FOOD PURPOSES, AND OTHER NAMED FOOD ITEMS. Registered Apr. 26, 1927. JOSEPH DI SANTO, doing business as Di Santo & Co., Duluth, Minn. Renewed Apr. 26, 1947. Class 46.

227,297. **JIFFY.** TOOTHACHE DROPS. Registered May 3, 1927. POLORIS COMPANY, INC., New York, N. Y. Renewed May 3, 1947, to Hamilton Drug Co., Inc., Jersey City, N. J., a corporation of New Jersey. Class 6.

227,314. **WINDPRUFS.** FANCY JEWELRY CONSISTING OF NECKLACES, PENDANTS, BRACELETS, PINS, FINGER RINGS, STRINGS AND NECKLACES OF PEARLS, AND EAR-RINGS. Registered May 3, 1927. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 28.

227,358. **"ZION" AND THE HEBREW CHARACTERS MEANING "KOSHER", ENCIRCLED, ALL ENCLOSED IN A RECTANGULAR OUTLINE.** BOLOGNA, SALAMI, PASTRAMI, CORN BEEF, SPICED BEEF ROULADE, BEEF FAT, AND SAUSAGE. Registered May 3, 1927. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 46.

227,421. **CRAFTSMAN.** PAPER CUTTERS AND PAPER CUTTING MACHINES AND PARTS THEREOF, AND INKING MECHANISM FOR PRINTING PRESSES, INCLUDING INK FOUNTAINS, VIBRATORS, AND PARTS THEREOF. Registered May 3, 1927. THE CHANDLER & PRICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 23.

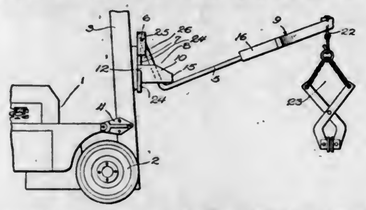
228,212. **REPRESENTATION OF MAN STANDING AND WOMAN SEATED WITHIN OVAL DESIGN.** RENNET PREPARATIONS OF EVERY KIND—THAT IS, POWDER, EXTRACT, AND TABLETS; CHEESE COLOR, BUTTER COLOR, AND OLEOMARGARINE COLOR. Registered May 24, 1927. BYK-GULDENWERKE CHEMISCHE FABRIK, Berlin, Germany. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him May 24, 1947. Class 6.

234,147. **GLOBAR.** ELECTRICAL APPLIANCES FOR CURRENT LIMITING, REGULATING, AND DISTRIBUTING PURPOSES—NAMELY, RHEOSTATS, CURRENT AND VOLTAGE REGULATORS, AND OTHER NAMED ELECTRICAL APPLIANCES. Registered Oct. 18, 1927. AMERICAN RESISTOR COMPANY, Milwaukee, Wis., assignor to American Resistor Corporation. Renewed Oct. 18, 1947, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Class 21.

REISSUES

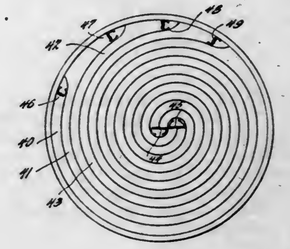
JULY 8, 1947

22,895
FORK LIFT TRUCK
George L. Clapp, United States Army, Pasco, Wash.
Original No. 2,387,744, dated October 30, 1945, Serial No. 591,044, April 30, 1945. Application for reissue September 25, 1946, Serial No. 699,097
6 Claims. (Cl. 214—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination, with a lift truck having a vertically movable, substantially L-shaped, load carrying member extending laterally therefrom, and a frame to which the end of one arm of said load carrying member is connected: of a support, upon which said load carrying member rests, for canting said laterally extending load carrying member at a predetermined angle with respect to said frame, said support comprising an apertured frame interfitting with said load carrying member and having a portion thereof disposed between said member and said frame; and means mounted on the free end of said load carrying member to support a load grasping means.

22,896
ILLUMINATING DEVICE
Igor B. Polevitzky, Miami, Fla.
Original No. 2,405,518 dated August 6, 1946, Serial No. 628,516, November 14, 1945. Application for reissue December 31, 1946, Serial No. 719,372
10 Claims. (Cl. 176—122)



10. A device of the class described comprising a metal housing, a transparent cover plate therefor, a metal partition in the housing forming a labyrinthine passage therein, the partition extending from the bottom wall to the cover, said housing and partition being coated with an insulating coating, a thermionic electrode mounted in the housing at each end of the passage, leadins for the electrodes, and a suitable gas filling said housing and providing a discharge path therein serving as a source of illumination.

PLANT PATENTS

GRANTED JULY 8, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

742
TABERNAEMONTANA PLANT
Toufic A. Adrey, Bulls Head, Staten Island, N. Y.
Application September 6, 1946, Serial No. 695,166
1 Claim. (Cl. 47—60)

A new and distinct variety of Tabernaemontana plant characterized dominantly as to novelty by its production of flowers having fifteen to eighteen petals, ten of which participate in the formation of the salverform ground pattern and the remainder of which form a central adjunct or crown independent of the ground pattern aforesaid, the flower tube being stouter and longer than that of its parent variety; by the distinctive shape and form of the flower petals; by the delicately sweet-scented fragrance of the flowers and their long lasting, non-fading quality; by its strong and vigorous habit of growth; and by the shape and arrangement of its foliage, substantially as shown and described.

743
ROSE PLANT
Michael Krowka, Des Plaines, Ill., assignor to M & J Krowka, Des Plaines, Ill., a partnership composed of Michael and Joseph Krowka
Application May 31, 1946, Serial No. 673,247
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, as herein shown and described, characterized particularly by the unique rich deep red color of its flowers; the long, pointed compact buds; the shape and size of the blooms; the depth of the compact central area of the flowers; and the long-lasting resistance to fading of its petals.

PATENTS

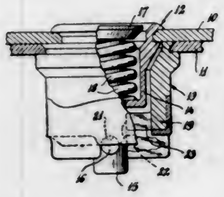
GRANTED JULY 8, 1947

2,423,431
FISH LURE
Harold G. Allen, Denver, Colo.
Application March 7, 1944, Serial No. 525,399
3 Claims. (Cl. 43—48)



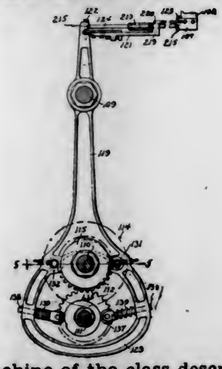
1. A fish lure comprising: a hook having a shank forming a body for the lure; a one-piece wing structure having a fold extending medially and longitudinally to provide divergent wings, said shank lying in the fold thereof; a head portion on said wing structure protruding forwardly at the fold; a tail portion on said wing structure protruding rearwardly at the fold; wrappings about said shank and the head and tail portions of said wing structure; and a wedge-shaped block positioned between said divergent wings, the narrow edge of said block lying along said shank, said wings being secured to the opposite sides of said block.

2,423,432
METHOD OF MAKING COMPOSITE METAL COUPLING MEMBERS
William H. Barlow, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Original application September 24, 1941, Serial No. 412,064, now Patent No. 2,368,799, dated February 6, 1945. Divided and this application July 15, 1943, Serial No. 494,803
6 Claims. (Cl. 29—148)



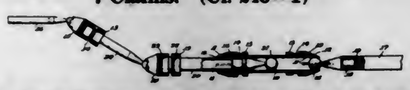
1. The method of making a lightweight composite metal unit having a hard wear-resisting surface from a cylindrical blank of relatively lightweight soft metal and a thin cup of relatively hard wear-resisting metal having a cylindrical wall to closely fit over one end of the blank, which method comprises, applying the thin cup over one end of the blank, mounting said metal parts in a press having cooperating dies of desired configuration and applying force to said metal parts through said dies in a direction parallel to their axes to deform at least the cylindrical blank into a cup and the composite parts into desired shape while maintaining a contiguous relation therebetween.

2,423,433
THREAD GUIDE RACKING MECHANISM
Roy C. Amidon, Reading, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Original application October 16, 1943, Serial No. 506,561. Divided and this application April 23, 1945, Serial No. 589,859
21 Claims. (Cl. 66—86)



1. In a machine of the class described, wherein a thread guide bar is racked: means for racking said bar, which means include, a pattern-wheel shaft, pattern-wheels on said shaft, a pivoted racking lever having a yoke to pass said pattern-wheel shaft and a second shaft passing through said yoke, gears connecting said shafts, cams on said second shaft, spring pressed rollers carried by said yoke to engage said cams on opposite sides of said second shaft, and a connection from said racking lever to the thread guide bar.

2,423,434
INDICATOR SUPPORTING ARM FOR PRECISION TOOLS
Arthur Beaupre, Chicago, Ill.
Application January 4, 1945, Serial No. 571,246
7 Claims. (Cl. 248—1)

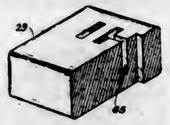


1. An indicator supporting arm for a precision instrument, embodying a plurality of sections one of which telescopes into another, means connecting the telescoping portions of adjacent sections for relative angular adjustment, means whereby the arm may be supported by one end, and means at the other end of the arm for supporting an indicator.

2,423,435
METHOD OF MAKING SOAP CAKE HAVING DESIRED INSIGNIA
Leslie A. Block, Rochester, N. Y.; Wilton A. Block administrator of said Leslie A. Block, deceased
Application September 25, 1943, Serial No. 503,792
13 Claims. (Cl. 252—90)

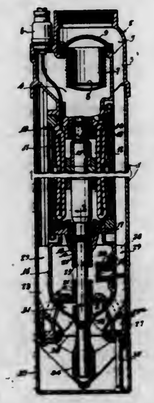
1. The method of making a soap cake having a distinctive insignia, which comprises forming

from dry soap material a hard distinctive insert having the shape of the desired insignia, providing in said soap cake a recess smaller than the



display surface of said insignia, and pressing said hard insert into the recess in said soap cake of softer soap material and displacing the soft soap of said cake by said hard soap insert.

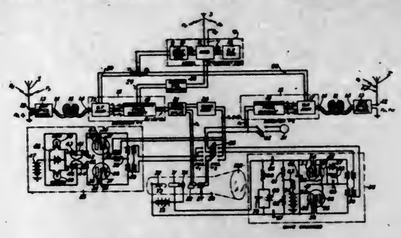
2,423,436
SUBMERSIBLE MOTORPUMP
Carl J. Blom, San Marino, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application March 30, 1945, Serial No. 585,685
6 Claims. (Cl. 103—87)



1. A submersible motor pump, comprising: an inner shell structure defining isolated and fluid filled motor and sealing compartments; an electric motor in said motor compartment; an outer shell structure around said inner shell and defining a passageway for pumped fluid; a pump unit within said outer shell and at the sealing compartment end of said inner shell including an impeller adapted to deliver fluid to said passageway, a shaft for said impeller extending therefrom through said sealing compartment to said motor compartment; sealing means for said shaft to maintain the isolation of said sealing compartment; and expansible and contractible membranes set in the walls of said sealing and motor compartments, said membranes maintaining a seal between said compartments and said passageways, but transmitting to the fluid within said compartments the pressure of the fluid in said passageways.

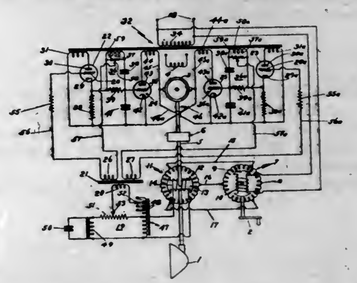
2,423,437
DIRECTION FINDER
Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,372
20 Claims. (Cl. 250—11)

1. The method of determining the sense and direction of an incoming wave which comprises obtaining two currents of the same frequency from two separately and non-directionally absorbed components of said wave, producing a circular representation of one of the currents, and



causing the other current to alter a particular point or portion of said representation dependent upon the phase relation of said components as absorbed.

2,423,438
ELECTRICAL FOLLOW-UP MOTOR CONTROL SYSTEM
John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 9, 1943, Serial No. 509,631
8 Claims. (Cl. 172—239)

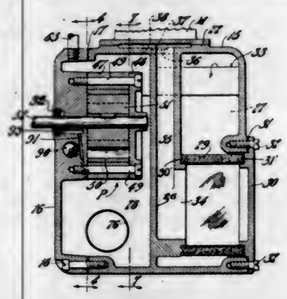


1. In a follow-up system, a controlling member adapted to be moved from one position to another, a controlled member adapted to be moved correspondingly, means for generating a voltage of a predetermined frequency in response to a deviation between the positions of said controlled and controlling members, means for connecting said voltage in series with an impedance means across a circuit consisting of an inductor and a capacitor connected in parallel and tuned to said predetermined frequency, means for deriving a control voltage equal to the difference between a voltage proportional to said first-named voltage and the voltage across said impedance means, driving means for driving said controlled member toward a position of agreement with said controlling member, and means for controlling said driving means in accordance with the magnitude of said control voltage.

2,423,439
PUMP AND AIR SEPARATOR UNIT
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application May 16, 1944, Serial No. 535,841
18 Claims. (Cl. 103—42)

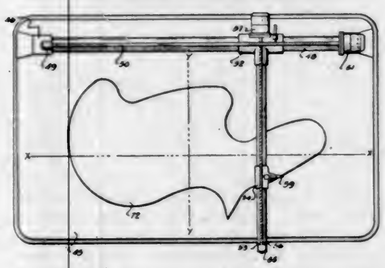
1. An apparatus of the class described, having an air-separating chamber with an inlet deliver-

ing into the upper part thereof, an outlet for air-free liquid in the lower part thereof and a vent passage for fluid near the top thereof; and a liquid-recovery chamber connected to receive fluid from said vent passage and having a vent for air in the upper part thereof; a pump for forcing fluids into the inlet of the separating chamber,



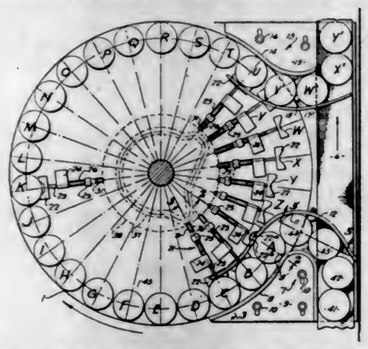
said pump being located in the liquid-recovery chamber, a suction conduit for the pump, a return conduit connecting the lower part of the liquid-recovery chamber to the suction conduit, and a valve controlling said return conduit and opening and closing it in response to rise and fall of the liquid in the liquid-recovery chamber above and to a predetermined level, respectively.

2,423,440
AUTOMATIC CONTROL OF MACHINE TOOLS AND FABRICATING DEVICES
Leif Eric de Neergaard, New York, N. Y., assignor, by mesne assignments, to Actrol Incorporated, a corporation of Delaware
Application October 6, 1942, Serial No. 460,955
6 Claims. (Cl. 178—19)



1. A generator of alternating-current whose frequency is differentially varied in accordance with the rate of linear displacement of a slide-member comprising, a beam; a slide-member slidably supported by and capable of linear-displacement along said beam; a gear-rack carried by the beam and extending along said beam; a pinion-shaft rotatably supported by said slide-member; a pinion integral and concentric to said pinion-shaft and in mesh with said gear-rack; a synchronous-motor stator connected with said pinion-shaft whose axis is in coincidence with the axis of said pinion-shaft; means for supplying said stator with alternating-current; a rotor, said rotor electrically coacting with and being driven at a synchronous speed by said stator; a ferrous tone-wheel driven by said rotor; a stationary permanent-magnet in electro-magnetic coaction with said tone-wheel and a pick-up coil wound about said magnet for inductively generating an alternating-current by electro-magnetic interaction between said tone-wheel and said pick-up coil.

2,423,441
CONTAINER HANDLING APPARATUS
Edward B. Dennie, North Hollywood, Calif.
Application August 11, 1945, Serial No. 610,316
9 Claims. (Cl. 198—22)

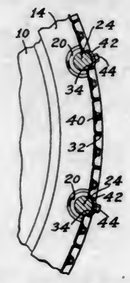


1. A container handling device which comprises: a dial adapted for rotation in a generally horizontal plane; a support for said dial; guide means fixed relative to said support and defining a receiving zone on the upper surface of the periphery of said dial, said guide means being adapted to receive a plurality of containers delivered into contact therewith in succession and deliver the same in diametral contact with one another to a position within said receiving zone; a plurality of angularly spaced container-spacing members mounted on said dial for inward and outward movement in a radial direction, each of said members being provided at its outer end with a container-engaging portion; means constraining said members to a position such as to locate the container-engaging portion thereof inwardly from the periphery of said dial an amount in excess of the diameter of a supplied container when the respective members are located opposite said receiving zone, and for moving said members radially outwardly into engagement with a container delivered to said position within said receiving zone during further rotation of said dial through a given angle; guide means disposed adjacent the periphery of said dial and fixed with respect to said support, said members being adapted to engage such a container and force the same outwardly against said last-named guide means during such outward movement of said members, to position said containers at a given radial position, the angular spacing of said members on said dial being such as to cause adjacent containers located at said given radial positions to be spaced out of diametral contact with one another.

2,423,442
DRUM SCREEN
Frank Dustan, Fitchburg, Mass., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application February 28, 1945, Serial No. 580,097
3 Claims. (Cl. 92—35)

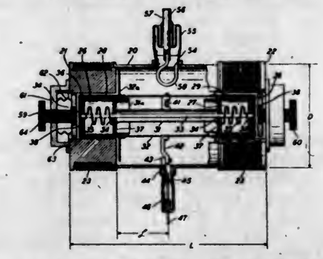
1. A drum screen cylinder for paper screening comprising end heads, intermediate ring members, a series of bars of substantially circular

cross-section connecting the heads and ring members, a plurality of thin screen plate assemblies conforming to the curvature of the drum and having edge flanges shaped to conform to the



outer surfaces of the bars, longitudinal clamping pieces fitting over the shaped flanges of the screens, and means for securing the clamping pieces to the bars.

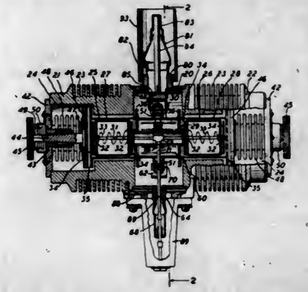
2,423,443
HIGH POWER ELECTRONIC DISCHARGE DEVICE FOR GENERATING ULTRA HIGH FREQUENCY RADIATIONS
Clifford E. Fay, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,795
17 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an evacuated, unitary metallic container having a plurality of anode surfaces, a plurality of cylindrical control electrodes insulatingly supported within said container and uniformly spaced with respect to said anode surfaces, a cylindrical cathode insulatingly mounted within each control electrode, cylindrical metallic means connecting said control electrodes together as a unit, a coaxial coupling member within said means joining the cathodes together as a unit, a conductor insulatingly sealed to said container and centrally connected to said means for said control electrodes, and conductors connected to the cathodes, centrally sealed through said container with respect to the length and insulated therefrom.

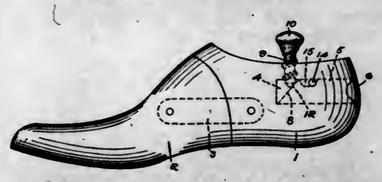
2,423,444
ELECTRONIC DISCHARGE DEVICE FOR ULTRA HIGH FREQUENCY ENERGY GENERATION
John W. West, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1944, Serial No. 517,382
18 Claims. (Cl. 315—6)

1. An electronic discharge device comprising a pair of oppositely disposed metallic anode portions having central cavities, a pair of oppositely disposed cathodes mounted within said anode portions, coaxial metallic hollow columns intermediate and joining said anode portions and cathodes respectively, radial insulating spacer members disposed between said columns in a



medial plane thereof, and means on at least one of said columns forming interlocking seats supporting said spacer members with respect to said columns and being adapted to compensate for expansion and contraction forces imposed on said spacer members.

2,423,445
DISPLAY FORM FOR SHOES
Jeremiah Fitzpatrick, Weymouth, Mass., assignor to William J. Fitzpatrick, Abington, Mass.
Application February 28, 1946, Serial No. 650,819
3 Claims. (Cl. 12—128)

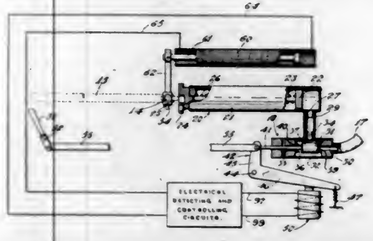


1. In a display form for shoes the combination comprising fore and heel parts, the heel part having a socket in it extending inwardly from the rear end of the heel part, a bar contained to be slidable within said socket, said bar presenting an inclined face on the forward end thereof, and a screw threaded to pass through said heel part above the inclined fore end face of said bar and engage said face as the screw is turned with a wedging action on said bar and move said bar in a rearward direction to project rearwardly beyond the rear end of the heel part of the form in amount depending upon the amount of turning of the screw.

2,423,446
APPARATUS FOR CONTROLLING GUN CHARGERS
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application August 14, 1942, Serial No. 454,790
4 Claims. (Cl. 89—1)

1. In a gun charger for a machine gun having a reciprocating member, the combination with said reciprocating member of a normally inactive charging mechanism for operating the reciprocating member, an electrical control device constructed and arranged to be actuated by a current of a predetermined magnitude for ren-

dering said charging mechanism operative, an energizing circuit including means for supplying said predetermined current to said control device, current generating means adapted to be driven by said reciprocating member, and means constructed and arranged for operation by said



generated current to render said energizing circuit ineffective to supply current to said control device during normal operation of said reciprocating member and upon failure of said generated current to permit energization of said control device by said energizing circuit to thereby effect operation of said charging mechanism.

2,423,447

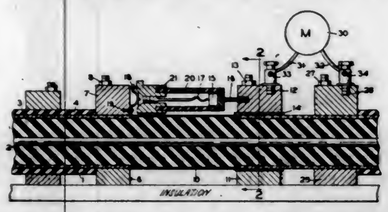
HIGH-FREQUENCY AMMETER AND POWER METER

Henry H. Grimm, Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War

Application January 30, 1945, Serial No. 575,319

6 Claims. (Cl. 171—95)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A high frequency ammeter and power meter, comprising in combination a substantially coaxial line, an inner conductor part of said line, an outer conductor part of said line and interrupted between the ends thereof, a layer of resistive material connecting the interrupted part of the outer conductor part of said line, a by-pass condenser insulated from said line, a meter, and a direct current rectifier interposed between the outer conductor of said line and said condenser and through said meter to shunt said resistive material.

2,423,448

FIST GUN

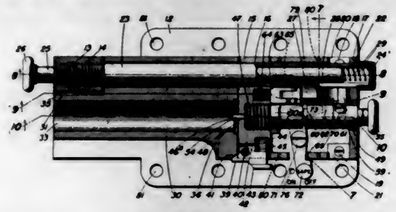
Stanley M. Haight, United States Navy

Application February 29, 1944, Serial No. 524,435

11 Claims. (Cl. 42—13)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

11. A firearm comprising a base, a breech block on said base, a barrel, means hinging said barrel to said base about an axis parallel to the bore of said barrel for movement to a position in alignment with said breech block for firing, and away from said breech block for loading, releasable means locking said barrel to said breech block in alignment therewith, and firing mecha-



nism including a trigger and support therefor, said trigger support forming said hinging means.

2,423,449

PREPARATION OF SPRAY DRIED SOAP PARTICLES HAVING ONLY SLIGHT DUST-FORMING TENDENCIES

Robert Franklin Heald, Nutley, and Minor Leslie Givan, Orange, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application April 17, 1941, Serial No. 388,969

6 Claims. (Cl. 252—126)

1. A process of treating soap in the form of spray dried particles to reduce the dust-forming and lumping tendencies thereof which comprises spraying said spray dried particles after formation with about 0.5% to 3% of a heavy mineral oil fraction, said percentage being based upon the amount of mineral oil in the final product, whereby improved particles having only slight dust-forming and lumping tendencies are produced.

2,423,450

PREPARATION OF SYNTHETIC ORGANIC DETERGENT PARTICLES HAVING ONLY SLIGHT DUST-FORMING TENDENCIES

Robert Franklin Heald, Nutley, and Minor Leslie Givan, East Orange, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Original application April 17, 1941, Serial No. 388,969. Divided and this application September 28, 1943, Serial No. 504,160

4 Claims. (Cl. 252—161)

1. A process of preparing detergent particles which comprises forming particles of a synthetic organic non-soap water-soluble detergent of the class consisting of sulphates and sulphonates, and spraying said particles after formation with about 0.5% to about 3% of a mineral oil fraction having an initial boiling point of about 350° F., said percentage being based upon the amount of mineral oil in the final product, whereby improved particles having only slight dust-forming tendencies are produced.

2,423,451

SOAP PRODUCT AND METHOD OF MAKING SAME

Stanley Joseph Holuba, North Bergen, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application September 28, 1943, Serial No. 504,162

16 Claims. (Cl. 252—109)

1. The process which comprises coating preformed soap particles with a water-soluble silicate salt in an amount effective in reducing dust.

2,423,452

PROCESS FOR TREATING SPRAYED DRIED ORGANIC DETERGENTS

Stanley Joseph Holuba, North Bergen, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 5, 1944, Serial No. 534,351

12 Claims. (Cl. 252—367)

11. A method of treating spray-dried organic detergent particles which comprises the step of exposing the particles to an atmosphere of saturated steam to heat the particles above about 70° F. but below about 220° F., subjecting said particles to impact while in a plastic condition resulting from said exposure to steam until the apparent specific gravity has been substantially increased and thereafter drying the particles.

2,423,453

PROJECTILE

James V. Howe, Philadelphia, Pa.

Application May 13, 1942, Serial No. 442,797

5 Claims. (Cl. 102—92.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A projectile comprising a body portion, a sabot of propellent material enveloping the sides and rear of said body portion, said sabot having a generally cylindrical outline and a forward, frusto-conical shoulder meeting the body portion medially thereof, and an outer, metallic covering for the cylindrical and frusto-conical portions of said sabot.

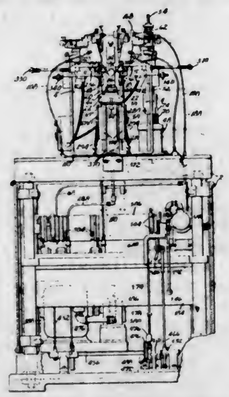
2,423,454

LASTING MACHINE

Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 26, 1945, Serial No. 601,564

109 Claims. (Cl. 12—10)



86. In a lasting machine, a gripper for gripping the margin of an upper on a last and for pulling the upper, a member for laying the margin of the upper inwardly over an insole on the last, a support for said member mounted for movement thus to operate it, means to cause the gripper to release the upper to the action of said member, and mechanism arranged to be operated by that movement of said support to withdraw the gripper farther from the shoe heightwise thereof when it releases the upper.

2,423,455

PIPE HANGER

Charles O. Larson, Sterling, Ill.

Application May 28, 1945, Serial No. 596,392

1 Claim. (Cl. 248—71)



A pipe hanger comprising an integral piece of readily bendable wire having a straight and relatively long intermediate body portion adapted to be readily bent around a pipe and relatively short pointed end portions bent abruptly at substantially right angles to said body portion whereby to facilitate driving thereof into supports without bending, said body portion and said bent end portions lying in the same plane.

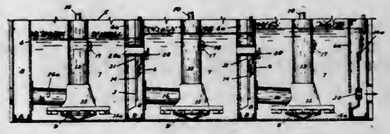
2,423,456

MULTIPLE-STAGE FROTH FLOTATION

Leland H. Logue, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware

Application April 16, 1943, Serial No. 483,286

15 Claims. (Cl. 209—164)



1. The improvement in the froth flotation process, in which a body of pulp is subjected to agitation and aeration in successive stages, subject to continuous feed and discharge at each stage, which comprises delivering a quantity of pulp from a preceding stage to a succeeding stage in excess of the quantity of the initial feed thereby raising the liquid level in said succeeding stage substantially above the level in the preceding stage, and maintaining a hydrostatic balance between such stages by returning pulp to a preceding stage from a succeeding stage and restricting the return flow an amount sufficient to maintain the level differential between cells substantially constant throughout a substantial period of continuous operation.

2,423,457

PREPARATION OF PARASITICIDAL MIXTURES

George E. Lynn and Bernard J. Thiegs, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

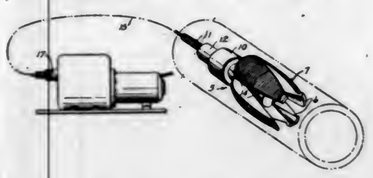
No Drawing. Application June 23, 1944, Serial No. 541,848

3 Claims. (Cl. 167—42)

1. The method for preparing parasiticidal dusts and powders which includes the steps of emulsi-

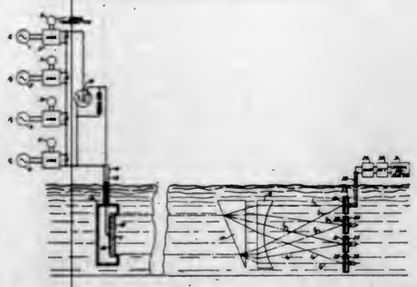
fying a water-insoluble organic toxicant in water at a temperature above the melting point of the toxicant, wetting a finely-divided solid carrier with the emulsion to form a plaster-like slurry, drying the mixture, and grinding the dried residue.

2,423,458
EXPANDING TOOL AND FLEXIBLE SHAFT FOR REMOVING DENTS FROM TUBING
William Martin, Dayton, Ohio
Application July 10, 1944, Serial No. 544,304
2 Claims. (Cl. 153—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A device for removing dents from tubing, comprising a set of expansible segments and a head for swingably supporting each of the segments at one end, a tapered plug operably positioned between the free unsupported ends of said segments, flexible guiding means connected with the head, a wire connected with the plug and guided by the flexible means, thus adapting the device for use with bent tubing, and pivotally connected levers, one connected with said wire and the other with said flexible means, for intermittently operating one relative to the other, said segments having exterior ridges extending transversely thereof, and the device being operated to force said ridged segments against the interior of said tubing on actuation of said levers to thereby remove dents in the walls of said tubing.

2,423,459
FREQUENCY SELECTIVE APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1942, Serial No. 458,429
12 Claims. (Cl. 177—386)



1. In a frequency selective system for compressional waves, a device for directing compressional waves having a substantially plane wave front comprising a solid homogeneous mass of material having a propagation velocity for compressional waves which varies with frequency whereby the refraction to which the waves are subjected by the device varies with frequency.

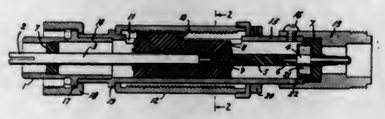
2,423,460
PHOTOGRAPHIC ELEMENTS CONTAINING POLYAMIDE DYE INTERMEDIATE LAYERS
David M. McQueen, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 31, 1944, Serial No. 528,944
6 Claims. (Cl. 95—7)

1. A color-yielding element comprising a support bearing at least one layer composed of a hydrophilic polyamide dye intermediate having a plurality of dye intermediate nuclei attached to recurring nitrogen atoms in the polyamide chain of atoms, said nuclei possessing a structure of the formula:

$$X-\left(\begin{array}{c}|\\C=C\\|\end{array}\right)_n-\begin{array}{c}|\\C=CH\\|\end{array}$$

where X is a member of the group consisting of HO—, primary and secondary radicals and n is a number from the group consisting of 0 and 1, having a light-sensitive silver halide dispersed therethrough.

2,423,461
ATTENUATOR FOR ULTRA HIGH FREQUENCIES
Harry R. Meahl, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 18, 1945, Serial No. 594,485
4 Claims. (Cl. 178—44)

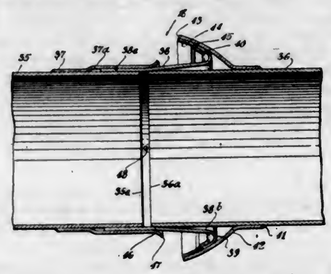


1. An attenuator comprising a concentric transmission line and consisting of a tubular outer conductor and a centrally disposed inner conductor, said inner conductor consisting of two sections separated by an insulating spacer, an insulator supported on said inner conductor, said insulator having a conductive sleeve extending along said inner conductor, said sleeve contacting one of said sections and being adjustable in position along said spacer, and dissipative means between said conductors and one end of said insulator.

2,423,462
FLEXIBLE COUPLING FOR EXHAUST CONDUITS OF INTERNAL-COMBUSTION ENGINES
Pierre Ernest Mercier, Neuilly, France
Original application May 4, 1943, Serial No. 485,593. Divided and this application November 28, 1945, Serial No. 631,362
1 Claim. (Cl. 285—185)

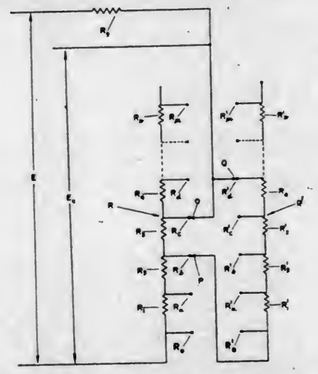
In a flexible coupling for engine exhaust conduits and the like, a pair of fixed collars respectively secured at one end adjacent one end of the two pipes to be joined and at their other ends flared outwardly away from said pipes, said members having their flared ends extending generally toward one another when the ends of the pipes are brought into proximity to one another and a third collar member having a cylindrical portion at one end adapted to be brought into a press fit engagement between the end of one of said pipes and the collar fixed thereto and having its other end flared first gradually outwardly and

then backwardly, said backwardly turned portion being adapted to be brought into interlocking



sealing engagement with a cooperating outwardly flared part of the fixed collar carried by said adjacent pipe.

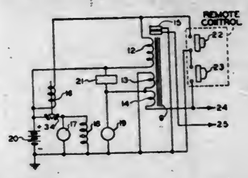
2,423,463
RESISTANCE NETWORK
James R. Moore, Rumson, N. J., assignor to the United States of America, as represented by the Secretary of War
Application December 28, 1942, Serial No. 470,413
6 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a resistance network, a first group of resistors each having a value such that the total resistance of selected combinations thereof is a given non-linear function of the number of resistors comprising each such combination, and a second group of resistors each having a value such that the equivalent resistance of a parallel combination of selected resistors of said second group and any selected resistor of said first group is an approximately linear function of the number of resistors of said second group entering into said parallel combination.

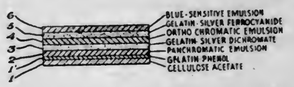
2,423,464
REMOTE CONTROL CIRCUITS
John L. Moncrief, Eatontown, N. J.
Application July 12, 1944, Serial No. 544,622
5 Claims. (Cl. 290—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. In combination, an internal combustion engine including an ignition system, an electric generator connected to be driven by the engine, an electric motor connected to the engine to turn it over, means for starting the motor and actuating the ignition system, means energized by the generator to maintain the engine in operation after the first-named means has been dis-



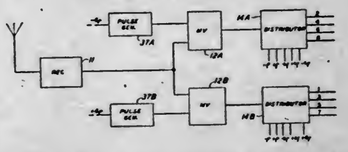
connected, and means for controlling the energized means so that the operation of the engine may be discontinued, said controlling means including means adapted to neutralize the action of said energized means.

2,423,465
MULTILAYER PHOTOGRAPHIC ELEMENTS
Otis Willard Murray, Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 15, 1944, Serial No. 568,234
7 Claims. (Cl. 95—2)



1. A photographic element comprising a transparent base bearing at least two differentially sensitized silver halide emulsion layers which have disposed therebetween a water-permeable colloid layer containing unfogged silver salts which transmit light to which one of the said emulsion layers is sensitive and do not form developable images on exposure to light but are rapidly and completely reducible in their unfogged state to metallic silver with a developing agent having a reduction potential of 0.3 to 40.

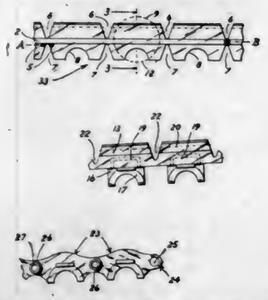
2,423,466
TIME DIVISION MULTIPLEX
Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 1, 1944, Serial No. 547,572
1 Claim. (Cl. 179—15)



A receiver for a time division multiplex, pulse position modulation system comprising two sources of recurrent reference pulses each recurring at a rate one half the average recurrence rate of the received multiplex pulses and differing in time of occurrence by the average time of occurrence of said multiplexing pulses, a pair of normally inoperative multivibrators, connections for applying reference pulses from one of said sources to one of said multivibrators for initiating its operation; connections for supplying reference pulses from the other of said sources for initiating its operation, connections for supplying the received multiplex to said multivibrators

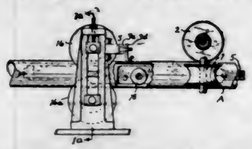
for terminating their operation, a plurality of signal circuits, and distributors for diverting the resultant length modulated pulse outputs of said multivibrators to the respective signal circuits.

2,423,467
COIN HOLDER
Henry Ray, New York, N. Y.
Application February 12, 1946, Serial No. 647,169
8 Claims. (Cl. 133—6)



1. A coin-holder adapted to be attached inside of handbags and to other articles, said coin-holder comprising a continuous series of adjacent coin pockets, and being flexible in the plane of said series and a second plane perpendicular thereto.

2,423,468
BURR REMOVING MECHANISM
Joseph U. Ridder, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application August 16, 1943, Serial No. 498,894
11 Claims. (Cl. 90—24)



1. A device for removing a longitudinal internal welding bead from welded pipe comprising a support within the pipe, a cutting tool fixedly mounted on the outer end portion of said support and arranged to sever the bead during movement of the pipe, longitudinally spaced elements on said support inwardly of said tool and engaging the upper and lower walls of the pipe, respectively, and transversely spaced bearing and guiding members fixed to said support at opposite sides of the cutting edge of said tool and arranged to engage the pipe walls in transverse alinement with said edge to maintain them in fixed relation thereto.

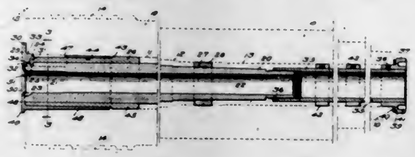
2,423,469
CHEMICALLY PREPARED WOOD PULP PRODUCT AND PROCESS FOR PRODUCING THE SAME
Paul Henry Schlesser and Kenneth Russell Gray, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware
No Drawing. Application May 3, 1944, Serial No. 533,929
9 Claims. (Cl. 260—212)

8. As a new article of manufacture, a refined chemical pulp product containing not more than 0.15% of natural ether-extractable matter and having incorporated therein from 0.01% to 0.25% by weight based on the bone dry weight of the pulp of a mixed ether having attached to the ether oxygen a polyethylene oxide radical with at least three ethenoxy residues and a cycloaliphatic radical selected from the group consisting of the dihydroabietyl, dehydroabietyl, tetrahydroabietyl and abietyl radicals.

2,423,470
ALKYLATION OF AN ACYCLIC ORGANIC COMPOUND WITH AN ALKYLATION AGENT USING HYDROGEN FLUORIDE AS CATALYST
Joseph H. Simons, State College, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1938, Serial No. 221,609
13 Claims. (Cl. 260—677)

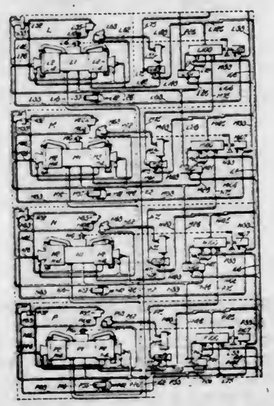
9. A process which comprises reacting two compounds containing different reactive chain structures in the presence of hydrogen fluoride as the sole effective catalyst.

2,423,471
SUBCALIBER AUXILIARY BARREL AND EXTRACTOR
William Summerbell, Washington, D. C.
Application April 26, 1944, Serial No. 532,739
2 Claims. (Cl. 89—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A subcaliber device for a large caliber gun having a chamber, bore and cartridge case extractors; comprising a barrel chambered and bored to receive conventional small caliber ammunition rounds, means to fix the barrel in the large caliber gun whereby the head of a cartridge case of a round loaded in said barrel will be in the same plane as would the head of a cartridge case of full size ammunition round loaded in the chamber of the said gun; said means comprising a transversely relieved part of the upper part only of the breech end of the barrel extending forwardly a limited distance from the breech face of the barrel, a transverse upwardly presented rib on said relieved part spaced below the chamber wall of the large caliber gun within the longitudinal limit of the barrel, and a separate vertical planiform plate having a thickness and extent to lie against the breech face of the large caliber gun and across the upper part of the chamber in said gun aligned with said plane, said plate lying above the said extractors and having an integral block on its forward side to extend into the chamber of said gun and shaped to fit the wall of the latter and the said relieved part of the barrel, said block having a transverse groove on its under side to receive said rib separably, whereby when the barrel is assembled to the said gun the plate and block and barrel are locked together and the latter is held against forward movement in the gun, means to hold the barrel against rearward movement in the gun, and a reciprocable member on said barrel, including a head shaped to lie against the said breech face of the gun below said plate, having a rabbeted opening to receive loosely a subcaliber round inserted in the chamber of the barrel, said head having also a lateral flange portion corresponding to the rim of a large caliber round for the gun, whereby said extractors may draw said reciprocable member rearwardly to extract a subcaliber cartridge from said barrel.

2,423,472
POWER PLANT OF THE FREE PISTON TYPE
Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application July 24, 1944, Serial No. 546,359
In Great Britain November 4, 1942
5 Claims. (Cl. 60—13)



5. Power plant of the kind including a prime mover, a speed governor actuated thereby and a plurality of internal combustion compressors supplying motive gas in common to said prime mover including, for each of the said internal-combustion-compressors (*i*) a combination of a fuel-supply regulator—having a "stop" (i. e. "no fuel") position—with an actuating servo-motor therefor under the control of said governor, (*ii*) a pressure-reducing valve controlling the supply to said servo-motor independently of those associated with the other internal-combustion-compressors, (*iii*) a movable stop on said servo-motor retained by fluid pressure in position to obstruct movement of said servo-motor and fuel regulator to the no-fuel position and (*iv*) a throw-over valve in the fluid pressure connection to said movable stop.

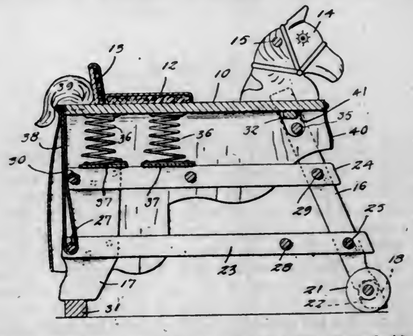
2,423,473
PROCESS FOR FORMING IODINE IMAGES
Arthur Barnes, Waltham, and Helen P. Husek, Allston, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Original application January 12, 1944, Serial No. 517,982, now Patent No. 2,409,923, dated October 22, 1946. Divided and this application July 28, 1944, Serial No. 547,096
8 Claims. (Cl. 95—88)

1. The method of producing an iodine image, which comprises transforming an image in silver in a permeable, relatively water-insoluble carrier to an image comprising manganese dioxide by reacting said silver image with a permanganate, and reacting said last-named image with an iodide in



the presence of an acid whereby iodine is released and replaces the dioxide to form an image in iodine.

2,423,474
MECHANICAL HORSE
Sam Belz, Memphis, Tenn.
Application November 8, 1944, Serial No. 562,527
8 Claims. (Cl. 272—52)

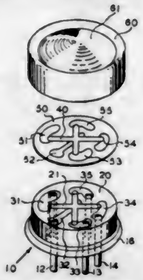


1. A mechanical horse comprising a relatively long flat body member, a pair of front legs arranged into spaced parallel relation and having one end of the body member disposed therebetween at their upper ends, said legs extending downwardly and forwardly from the front end of the body member, a horizontal pivotal connection between the front legs and the interposed end of the body member, a pair of substantially vertical rear legs disposed beneath the rear end of the body member, the rear legs being spaced a substantial distance below the body member, horizontal bars connecting the front and rear legs together, transverse connecting members between the front legs and the ends of the horizontal bars adjacent thereto, transverse connecting members between the rear legs and the ends of the bars adjacent thereto, spring means connecting the rear end of the body member with the underlying rear legs and exerting an upward thrust against the rear end of the body member, and means connecting the rear end of the body member with one of the transverse connecting means between the rear legs for limiting the upward movement of the rear end of the body member.

2,423,475
INTERNAL SURGICAL DRESSING
Claude W. Bice and Majel M. MacMasters, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application July 27, 1944, Serial No. 546,901
3 Claims. (Cl. 128—270)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

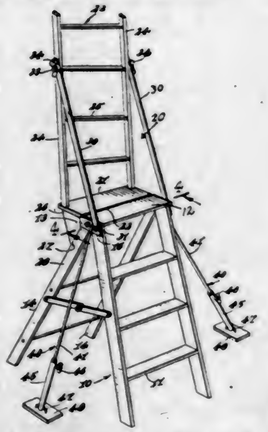
1. The process of forming a surgical dressing which may be implanted in living animal bodies and be absorbed by the body fluids, comprising incorporating an intra-blood medicament into the pores of a material consisting substantially of starch and having the structural form of a sponge.

2,423,476
BOLOMETER
Bruce H. Billings and Walter L. Hyde, Cambridge, and Edgar E. Barr, North Woburn, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application March 7, 1946, Serial No. 652,524
5 Claims. (Cl. 201—63)



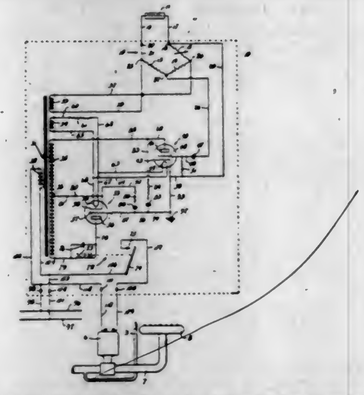
1. A bolometer for detecting heat rays comprising an insulating base, terminals imbedded in the base, the insulating base providing a groove, a pellicle supported by said insulating base and having a free area extending over said groove, a heat-sensitive element supported by the pellicle, the portion of the pellicle supporting the heat-sensitive element being free from direct contact with the insulating base at the edges of said groove, means for connecting the sensitive element to the terminals, a cover for the base making an air-tight seal therewith, a heat-transmitting window in said cover, and means in the base for evacuating the interior of the bolometer whereby its sensitivity is increased.

2,423,477
STEPLADDER GUARD ATTACHMENT
Gaston Brimboeuf, New York, N. Y.
Application December 23, 1943, Serial No. 515,351
3 Claims. (Cl. 228—24)



2. In combination, a ladder having a series of steps and a platform above the steps, an extension hinged to the side of the platform to provide in open position a horizontal extension thereof, side bars connected with said extension and provided with a series of steps rising above said extension, said extension being adapted to fold against the platform and said side bars and steps being adapted to fold against the ladder and to align the steps of said side bars with the steps of the ladder, and braces connected to the platform of the ladder and to the sides of the side bars to support said side bars and the steps thereof in an elevated position over the ladder.

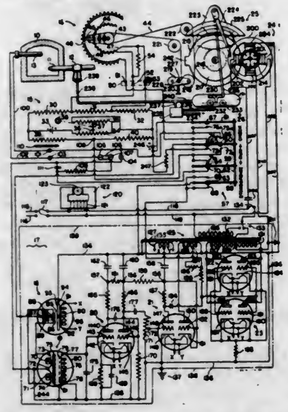
2,423,478
CONDITION CONTROL APPARATUS
Francis A. Busse and John M. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 25, 1944, Serial No. 551,227
10 Claims. (Cl. 236—78)



5. In combination; first and second electronic discharge devices each having an anode, a cathode, and a control element; a source of power; connections between the anode and cathode of one of said discharge devices and spaced points of said source of power; a biasing connection between said control element and a point on said source of power whose polarity with respect to said cathode is at all times opposite to that of said anode, said connection including a first impedance element; a further impedance element connected between said control element and said cathode; means for applying a signal potential to the control element of said other discharge device; and means connecting the anode and cathode of said other discharge device in parallel with said first impedance element independently of said source of power and in series with said further impedance element effective when the control element potential is such as to render said other discharge device conductive to impress across said further impedance element a voltage such as to render said first named discharge device conductive.

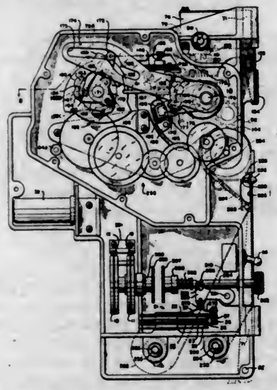
8. In combination; first and second electronic discharge devices each having an anode, a cathode, and a control element; an alternating current source of power; connections between the anode and cathode of one of said discharge devices and spaced points of said source of power; a biasing connection between said control element and a point on said source of power whose phase relationship with respect to said cathode is opposite to that of said anode, said connection including a first condenser; a second condenser connected between said control element and said cathode; means for applying a signal potential to the control element of said other discharge device; and means connecting the anode and cathode of said other discharge device in parallel with said first condenser and in series with said second condenser and effective when the control element potential is such as to render said other discharge device conductive to charge said condenser so as to render said first named discharge device conductive.

2,423,479
MEASURING, RECORDING, AND CONTROLLING APPARATUS
John A. Caldwell, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1941, Serial No. 421,175
43 Claims. (Cl. 234—1.5)



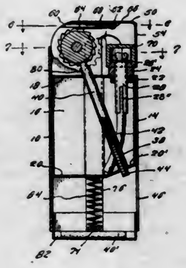
1. A self-balancing measuring instrument comprising, regulating means controlled by a condition being measured and including balancing means, mechanism controlled by the regulating means, means operated by the mechanism for positioning the balancing means to cause the mechanism to assume a position corresponding to the value of the condition and including a cable and cable drum, and means for adjusting the tension in the cable.

2,423,480
MULTIPLE RECORDING INSTRUMENT
John A. Caldwell, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1942, Serial No. 447,863
26 Claims. (Cl. 234—66)



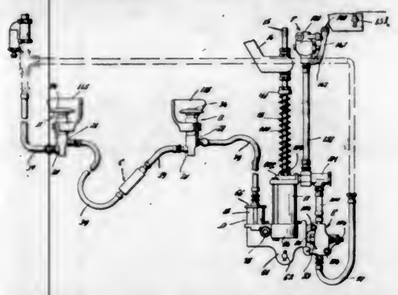
1. In a self-balancing measuring instrument having a normally balanced circuit adapted to be unbalanced, the combination of a detector mechanism comprising a member moving in response to unbalance of said circuit, continuously operating means periodically returning said member to an undeflected position upon deflection thereof, a part carried by said means and engaged by said member to be moved into a first or second definite position depending upon whether said member is in its undeflected position or in a position to one side thereof, and mechanism driven by said part in one position of the latter.

2,423,481
LIGHTER CONSTRUCTION
Adolph Campos, Clifton, N. J.
Application November 17, 1944, Serial No. 563,883
6 Claims. (Cl. 67—7.1)



1. A lighter construction comprising an open-ended casing, a fuel tank mounted within said casing and inwardly from the ends thereof, an igniter mechanism including a file wheel mounted at the upper end of an extended part of said casing and partially within the same, a flint-feed tube disposed at an angle with respect to the vertical and extending through said tank from a point below said igniter mechanism and opening through the bottom wall of the tank, a spring-fed flint mounted in the upper end of said tube, a screw plug closing the lower end of said tube, said casing having an opening in a sidewall thereof below the tank for access to said screw plug, said tank having a filling opening in its top wall at one side of said igniter mechanism, a removable holder seated in said filling opening, a guide tube depending from said holder, a wick threaded cover mounted for rocking movements on the extended part of said casing substantially enclosing the lower half of said file wheel to prevent wind dispersal of the sparks emitted from said flint, a cover mounted for rocking movements on the extended part of said casing, a snuffer cup carried by said cover, said cover being adapted to substantially enclose said igniter mechanism when normally positioned to engage the snuffer cup with the wick end, an actuator extending through said casing and in operative connection with said cover, a push-button mounted in the lower end of said casing and connected to said actuator, said cover being swingable upwardly to lift said snuffer clear of the wick end for its igniting by sparks from said igniter mechanism, upon manipulation of said actuator from said push-button, and spring means cooperative with said actuator and said push-button to effect the automatic return of the parts to normal positions.

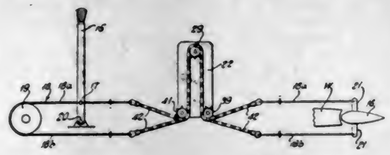
2,423,482
FLUID OPERATED SAFETY CONTROL FOR POWER PRESSES AND THE LIKE
Joseph Chochol, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 21, 1944, Serial No. 569,245
6 Claims. (Cl. 192—131)



1. In combination with a power press or the like having a clutch-controlled movable head, of pneumatic safety control means for engaging and releasing the clutch, said safety control means comprising a clutch-tripping lever, an air pressure responsive device, means responsive to the movement of the air pressure responsive device upon admission of air under pressure thereto to operate the clutch-tripping lever, a pilot valve for controlling the admission of compressed air to said air responsive device, an exhaust valve for venting the compressed air admitted to the pressure responsive device, cam means movable with the movement of the movable head of the press for controlling the opening and closing of the exhaust valve, a conduit connecting the pilot valve with the pressure responsive device, a check valve in said conduit adapted to open under air pressure from the pilot valve, and a pneumatic circuit having therein a cutout valve adapted to permit only a puff or surge of air to pass through the circuit, the pilot valve comprising a three-way valve having a plurality of ducts, one leading to the pressure responsive device, one connecting with a source of compressed air, and one leading to the atmosphere, and a normally seated check valve which, when seated, closes off communication between the first two ducts and establishes communication between the first duct and the atmosphere, and a pilot operating mechanism which is responsive to a surge of compressed air from the pneumatic circuit to open the valve check in the three-way valve to admit compressed air from the source to the pressure responsive device, and means on the pilot operating mechanism operable by the pressure responsive device after it has been acted upon by the compressed air to permit valve check of the pilot valve to close.

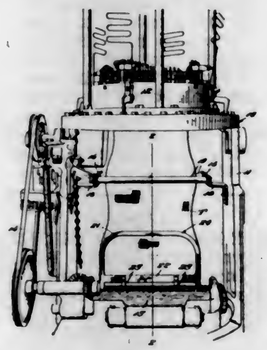
2,423,483
CABLE TENSION REGULATOR
Warren H. Clark, Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application October 14, 1944, Serial No. 558,699
3 Claims. (Cl. 74—501)

1. In a cable tension regulator mounted for rotary movement about a fixed pivot; spaced end plates relatively fixed in said regulator; a shaft extending between said end plates; a block slidably mounted on said shaft and arranged for limited rocking motion relatively to the shaft; a coil spring surrounding said shaft and pressing said block toward one of said end plates; and oppositely extending tongues on said block forming attachment means for the terminals of parallel cable lines normally exerting approximately an equal pull on said block in opposition to the force of said spring, said cable lines and said spring



cooperating to effect longitudinal adjustments of said block along said shaft in accordance with variation in cable tension and said cable lines acting in response to an increase in the tension load imposed on one of said cables over the other to rock said block in a manner wedging it on said shaft to render said spring ineffective and to permit rotary motion of the regulator under continued application of the increased tension load.

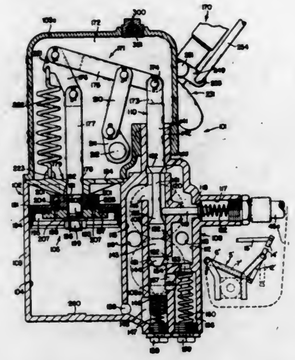
2,423,484
APPARATUS FOR KNITTING SCOURING CLOTHS
Daniel J. Cosgro, Cohoes, N. Y.
Application February 27, 1946, Serial No. 650,409
1 Claim. (Cl. 66—147)



The combination with a circular knitting machine adapted to produce tubular fabric having a knitting cylinder and take-up rolls below the knitting cylinder, of a pair of flattening rolls supported on the machine near the point from which the tubular fabric leaves the cylinder for engaging opposite sides of the fabric tube and flattening it and a spreader supported on the take-up rolls for engaging the fabric and expanding it in the plane in which it is flattened.

2,423,485
POWER LIFT OF THE HYDRAULIC TYPE
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 11, 1942, Serial No. 434,256
17 Claims. (Cl. 60—52)

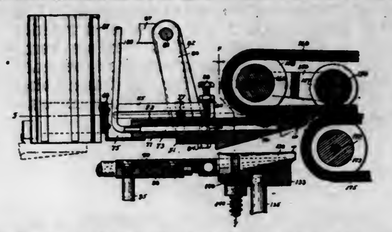
4. In a hydraulic system, a pump of the constantly driven type having an inlet and an outlet, a ram adapted to receive fluid from said pump, a chamber for supplying fluid to the inlet of said pump, and adapted to receive fluid from said ram, valve means movable from a neutral position, in which said pump is by-passed to said chamber, into a position for controlling the flow of fluid from the ram to said chamber, means for moving said valve means into said one operative position, and means responsive to the flow of a given quantity of fluid to said chamber for moving said valve means from said one operative position into its neutral position.



14. In an agricultural machine having a part to be shifted from one position to another, a hydraulic ram connected with said part to shift the same, means for supplying fluid under pressure to said ram to extend the latter and shift said part in one direction, means providing for the flow of fluid out of said ram and the retraction of the ram to shift said part in the other direction, valve means shiftable to control the flow of fluid between said two means and said ram, a second part movable in accordance with the movement of said first part, manual control means connected differentially with said second part and said valve means whereby continuous or interrupted movement of the latter effects continuous or interrupted movement, respectively, of said first part, means whereby when fluid flows from said ram said valve means is held against movement and said manual control means is moved by the action of said differential connection, and mechanism for restricting further movement of said manual control means, whereby said differential connection acts to shift said valve means.

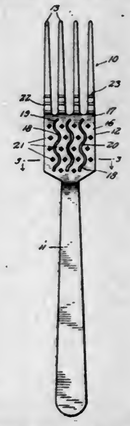
2,423,486
MECHANISM FOR EJECTING COMPLETED JACKETS FROM MANDRELS
Jacob Cutler, Matapan, Mass., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Original application July 10, 1943, Serial No. 494,239. Divided and this application October 28, 1944, Serial No. 560,880
9 Claims. (Cl. 93—36)

1. In a jacket forming machine wherein is provided a magazine for a stack of flat blanks, a distant mandrel on which the jackets are formed, and means for molding the blanks about the mandrel and overlapping the sides of the blanks and causing adhesion between the overlapped parts; a mandrel comprising a shank and a conical body, said body having a longitudinal groove in its face, a blade fitting said groove, means to advance and retract said blade along said groove, means to raise the advance end of the movable blade, and



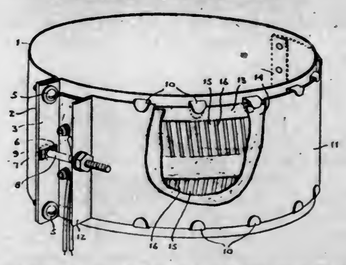
means cooperating with said blade to strip the jackets from the mandrel.

2,423,487
MASTICATING FORK
Richard M. Daboul, Tarboro, N. C.
Application March 28, 1945, Serial No. 585,290
3 Claims. (Cl. 30—148)



2. A fork consisting of a handle, a masticator and tines formed integrally with said handle, said masticator being intermediate the handle and tines, longitudinally extending depending sinuous ridges on said masticator, and staggered rows of teeth formed transversely of said masticator.

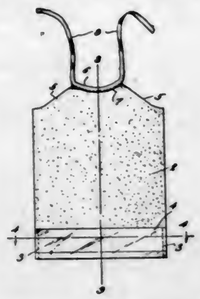
2,423,488
ELECTRIC TANK WATER HEATER
George P. Dowe, Toronto, Ontario, Canada, assignor to Geo. P. Dowe Company Limited, Toronto, Ontario, Canada
Application July 16, 1945, Serial No. 605,265
3 Claims. (Cl. 219—38)



1. An electric tank water heater comprising, a flexible metal band adapted to embrace a tank

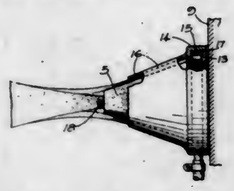
and having flanged ends, means adjustably connected to the flanged ends of said band to tighten same about the surface of the tank, an adjustable flexible metal strip having one end rigidly connected to said band, a flat flexible removable electric heater element interposed beneath said flexible strip, and means for tightening the other end of said flexible strip to securely embrace said flexible heater element.

2,423,489
BIB
Gordon M. Dunn, Lake Placid, N. Y.
Application October 1, 1945, Serial No. 619,454
1 Claim. (Cl. 2—49)



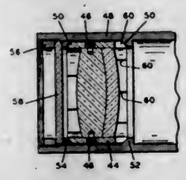
A bib comprising a body consisting of front and rear sheets, the front sheet being formed of absorbent paper having a rough surface to cause food particles to have a tendency to adhere when striking the same, the rear sheet being formed of waterproofed paper and being of greater length than the front sheet and having its lower end portion extending downwardly beyond the lower end of the front sheet and folded upwardly in overlapping relation to the lower portion of the front sheet and secured along its side edges to form a pocket open along its top and extending the full width of the bib and having its rear wall faced by the lower portion of the front sheet, the upper end of said body being formed intermediate its width with a neck-receiving recess, and a binding strip for the edge of the recess formed from a strip of folded tape having its intermediate portion extending along the recess in straddling relation to the upper edge of the body and its end portions extending from ends of the recess and of a length adapting them to be passed about a baby's neck and tied together to hold the bib in place.

2,423,490
METAL SPRAYING METHOD
Richard Erhardt, Chicago, Ill.
Application May 20, 1944, Serial No. 536,481
5 Claims. (Cl. 117—105)



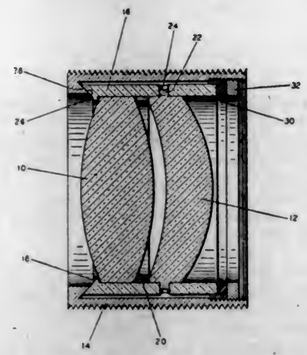
1. The method of spraying molten metal, which comprises feeding the metal to be melted to a melting zone, supplying oxygen and a hydrocarbon gas at moderate pressures to the melting zone for melting the material, supplying a carrier stream of air to the melting zone at a pressure and velocity exceeding those of the fuel gases, and circumferentially blanketing the projected spray stream beyond the melting zone with a sheath of hydrogen added thereto at low pressure and velocity in a direction substantially parallel to the flowing spray stream in the open atmosphere beyond the confines of the apparatus employed in projecting the spray stream.

2,423,491
OPTICAL LENS MOUNTING
Murry N. Fairbank, Weston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 14, 1943, Serial No. 494,682
14 Claims. (Cl. 88—57)



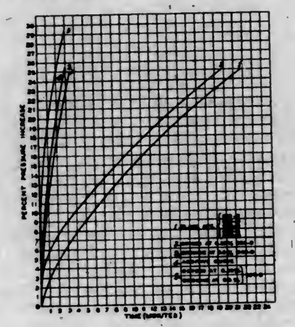
1. In a mounting for a lens of plastic, a housing of a material having a coefficient of thermal expansion substantially different from that of said lens, a sleeve of a plastic having a coefficient of thermal expansion of the same order as said lens and within which said lens is mounted, means engaging only the end portions of said sleeve for securing the latter in said housing, the main peripheral area of said sleeve being free of said housing, and means engaged with the sleeves and the lens at intervals around the periphery of the lens for securing the lens in said sleeve.

2,423,492
LENS MOUNTING
Murry N. Fairbank, Weston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 14, 1943, Serial No. 506,215
8 Claims. (Cl. 88—57)



1. In apparatus of the character described, a lens comprising at least one lens element of plastic, a housing formed of a material having a substantially different coefficient of thermal expansion from that of said plastic, a sleeve wherein said lens is mounted, said sleeve being formed of a material having a coefficient of thermal expansion of the same order as that of said plastic, means operative when in engagement with said sleeve to mount said sleeve centrally in said housing and to translate radial expansion and contraction of said sleeve into axial movement of the latter relative to said housing, said means comprising a member rigidly secured to said housing and having a frusto-conical surface cooperating with a corresponding surface on said sleeve, and resilient means for maintaining said first-named means in operative engagement with said sleeve, said resilient means comprising a member of yielding material.

2,423,493
HYDROCARBON CONVERSION
Hillis O. Folkins, Skokie, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application August 9, 1944, Serial No. 548,672
6 Claims. (Cl. 196—52)

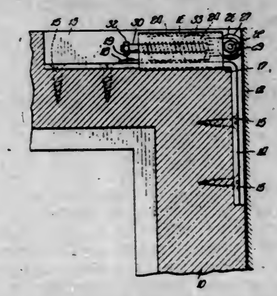


1. The method of cracking hydrocarbons which consists in subjecting said hydrocarbons to suitable cracking conditions of time, temperature and pressure in the presence simultaneously of a small amount of oxygen and a small amount of a halogen selected from the group consisting of bromine and iodine, the minimum amounts of oxygen and halogen in the mixture undergoing conversion being about .05 and .005 mole per cent, respectively, and the maximum combined amount of oxygen and halogen in the mixture being about 5 mole per cent.

2,423,494
CRACKING OF HYDROCARBONS IN THE PRESENCE OF HALOGEN-CONTAINING SENSITIZERS
Hillis O. Folkins, Skokie, and Carlisle M. Thacker, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application June 11, 1945, Serial No. 598,706
In Canada February 24, 1945
16 Claims. (Cl. 196—52)

1. The method of cracking hydrocarbons comprising subjecting hydrocarbons to suitable cracking conditions of time, temperature and pressure in the presence of a small amount of a halogen selected from the group consisting of bromine and iodine and a small amount of a poly-chlorinated aliphatic hydrocarbon.

2,423,495
WINDOW SASH RETAINING DEVICE
Stanley Galuska, Chicago, Ill.
Application October 22, 1945, Serial No. 623,675
2 Claims. (Cl. 292—75)

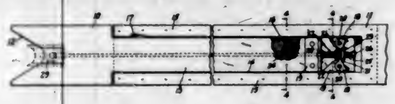


1. A device for retaining a window sash within a frame comprising a cradle including a pair of spaced side walls and a top wall, said top wall adjacent one end of said cradle being severed from said side walls and bent angularly with relation to said top wall for effecting a transverse wall, a stationary plate, said transverse wall being in a parallel spaced relation with said plate, the resultant ends of said side walls constituting a pair of spaced rails, a frame engaging member carried by said rails, a rod in engagement with said transverse wall and passing through said plate, and a coil spring encompassing said rod and interposed between said plate and said transverse wall, said coil spring exerting pressure upon said transverse wall for urging said rails away from said plate.

2,423,496
SPLINT
Charles Greppi, Shorewood, Wis.
Application April 19, 1944, Serial No. 531,714
1 Claim. (Cl. 128—87)

An adjustable traction splint comprising a substantially flat elongated housing member having an open end and a closed end, the latter having a bandage receiving notch, a second member having one end provided with a bandage receiving notch and also having an elongated tongue

extending therefrom through said open end of said housing member, said tongue being closely guided in said housing member for lengthwise adjustment therein, a pair of oppositely directed elements rockably mounted within said tongue and yieldably urged into gripping engagement with the interior of said housing member to normally restrain said tongue against movement in-



wardly of said housing, and means extending lengthwise of said tongue for releasing said elements, said means including an actuator projectable into said last named bandage receiving notch to release said elements, the position of said actuator being such that the application of a bandage to said notch will restrain said actuator against dog-releasing movement thereof.

2,423,497

PRODUCTION OF PRODUCTS HAVING RECURRING ARYLETHYLENE UNITS WITH TERMINI FROM A SATURATED HALOGENATED ALKANE

Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 4, 1942, Serial No. 464,519
20 Claims. (Cl. 260—649)

14. A mixture of compounds having a chain comprising a plurality of recurring

$$-CH(Ar)-CH_2-$$

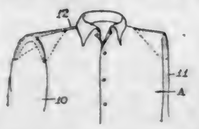
units, wherein Ar is a monovalent aromatic hydrocarbon radical of 6 to 10 carbon atoms, one of the terminal valences of the chain being satisfied by a monovalent atom and the other terminal valence of the chain being satisfied by a monovalent radical which together with said monovalent atom forms a halogenated methane of one to three halogen atoms.

2,423,498

SHOULDER PAD CONSTRUCTION

Eleanor H. Hull, New York, N. Y.

Application July 20, 1946, Serial No. 685,275
3 Claims. (Cl. 2—268)



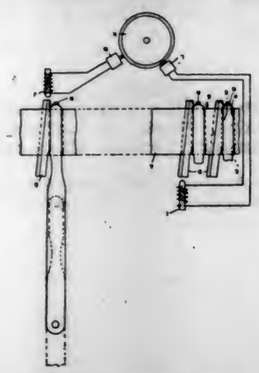
1. A shoulder pad construction comprising two superimposed substantially triangular flexible arcuate panels attached to one another at least along a portion of their side edges so as to form a substantially triangular shaped pocket, the top one of said panels having slightly larger dimensions than the bottom one of said panels so as to form an upper larger arc and a relatively smaller inner arc, a third flexible panel inserted between the edges of the bases of said first mentioned panels, said third panel having an arcuate shape conforming to the arc described by said two first mentioned panels and tapering from its maximum width at the top of its arc towards a point of juncture between the sides of the said first mentioned panels, and a preshaped arcuate core of flexible and resilient material filling said pocket.

2,423,499

WORK HOLDER FOR BRUSH MAKING MACHINES

Conrad Jobst, Toledo, Ohio, assignor to The Toledo Automatic Brush Machine Company, Toledo, Ohio, a corporation of Ohio

Application May 11, 1944, Serial No. 535,167
5 Claims. (Cl. 300—10)



1. The combination with a work carrier intermittently rotatable about a vertical axis, of a series of work holders surrounding said carrier each including a vertically extending open recess in the peripheral face of the carrier, the inner face of said recess forming a rigid abutment for a brush back opposite the exposed face thereof to be drilled and tufted, a wedge member located at one side of each recess for clamping the brush back therein, friction means for restraining downward movement of said wedge member to permit free insertion of a brush back into said recess through the upper end thereof, a stop for limiting the downward movement of said brush back in said recess, means located at a predetermined point in the intermittent movement of said carrier for automatically depressing said wedge member to clamp the brush back, and means located at another point in the movement of said carrier for automatically raising said wedge to release said brush back.

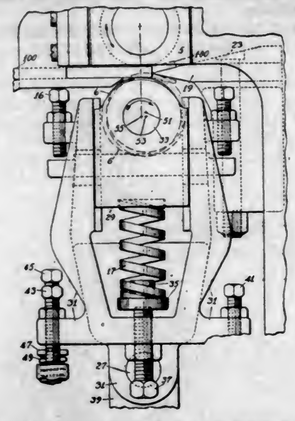
2,423,500

SPLITTING MACHINE

Charles E. Johnson, Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 3, 1946, Serial No. 666,995
8 Claims. (Cl. 69—13)

1. A machine of the class described having, in combination, a pair of rolls rotatable in opposite directions, a knife to which the work is fed by said rolls, one of said rolls being a gage roll adjustable toward and from the knife to predetermine the thickness to which the work will be split, the other roll being a pressure roll between which and the knife the split which is removed from the work passes, yielding means for permitting the pressure roll to move away from the gage roll in response to the entering of the work between the rolls, other yielding means for normally holding the parts with the edge of the knife at a small distance from a plane passed through the axes of the rolls whereby, when the leading end of the work has moved forward and contacted with



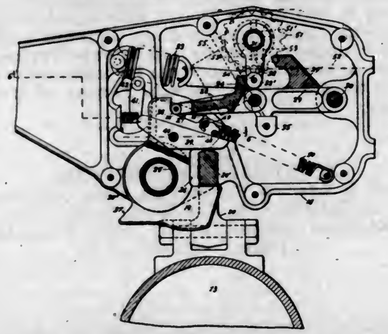
the edge of the knife, relative movement of separation between said knife and plane takes place to increase said small distance, and means for limiting this increase.

2,423,501

RETRACTABLE LANDING GEAR LOCK FOR AIRCRAFT

Seth Johnson, Farmingdale, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware

Application December 29, 1942, Serial No. 470,460
12 Claims. (Cl. 244—102)



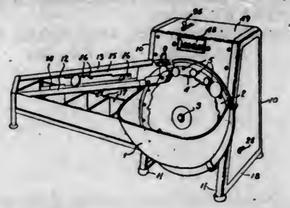
1. The combination with a stationary part of an aircraft and a landing gear leg hinged for movement relatively thereto, of an up-lock for said landing gear comprising a latch movable relatively to said stationary part, a complemental member fixed to the landing gear leg for engagement by said latch upon the retraction of the leg, a toggle operable between the stationary part of the aircraft and the latch to maintain engagement between said latch and the complemental member upon the substantial alignment of the sections of the toggle, means associated with the toggle constructed and arranged to counteract any tendency thereof to break upon and during interengagement between said latch and complemental member, and means effective upon the breaking of said toggle to locate said latch out of position for engagement with said complemental member.

2,423,502

COIN COUNTING AND SORTING MACHINE

Julius Jorgensen, Detroit, Mich.

Application April 13, 1942, Serial No. 438,671
16 Claims. (Cl. 235—32)



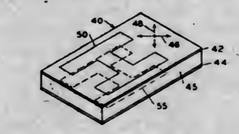
1. A coin computing machine comprising a plurality of axially aligned register wheels each having indicia thereon adapted to be progressively exposed to view, two sets of gear trains for rotating said wheels respectively through progressive arcs, a motor driven shaft having two spaced primary cams thereon, pivotally mounted pawls rockable into and out of engagement with one gear of each train respectively, said pawls being disposed for operation respectively by said primary cams and indexing means for selecting the tooth of the gear with which each of said pawls engages whereby the length of the arc of travel to be imparted to each of said gear trains is determined, comprising a notched trip arm for positioning each pawl relative to its associated gear and in position to be actuated by its cam, a rock-bar having a flange provided with notches of different depths engageable by said trip arms and slidable to selectively position said notches adjacent said trip arms, secondary cams also mounted on said motor driven shaft, a finger rigidly secured to said rock-bar and movable to positions in the paths of said secondary cams for operation thereby to position said trip arms and pawls, a rock-lever connected to said rock-bar for imparting movement thereto, and means for impelling coins against and past said rock-lever whereby said rock-lever is swung through an arc proportionate to the diameter of the coin.

2,423,503

COMPOSITE PLASTIC SHEET COMPRISING A MOLECULARLY ORIENTED POLYVINYL ALCOHOL LAYER AND METHOD OF MANUFACTURE

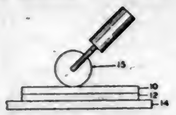
Edwin H. Land, Cambridge, Joseph Mahler, Brookline, and William H. Ryan, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application May 22, 1942, Serial No. 444,142
14 Claims. (Cl. 88—65)



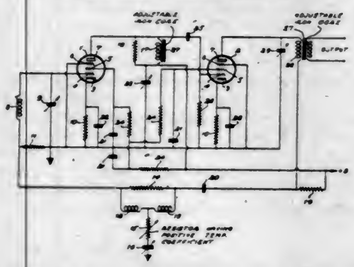
1. As a new article of manufacture, a composite plastic sheet comprising a layer of substantially non-hydrophilic transparent plastic, a layer comprising predominantly hydrophilic material integrally formed on one surface of said first named layer by regeneration of the material thereof and a layer comprising molecularly oriented polyvinyl alcohol bonded to said regenerated surface layer.

2,423,504
PROCESS FOR FORMING LIGHT-POLARIZING IMAGES
Edwin H. Land, Cambridge, Mass., and Dexter P. Cooper, Jr., Hyde Park, N. Y., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application September 22, 1943, Serial No. 503,406
25 Claims. (Cl. 88—65)



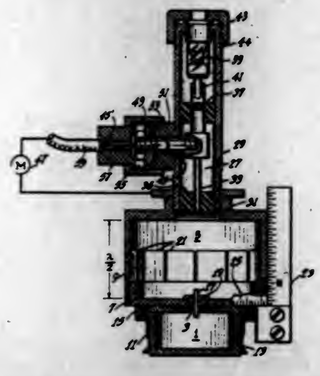
1. The method of producing dichroic images which comprises converting a silver image into an insoluble silver salt image, converting said second named image into an image comprising a compound containing releasable iodine, treating said last named image with an agent adapted to release free idodine therefrom, and pressing said image evenly against a molecularly oriented sheet comprising a light-transmitting polyvinyl oxy compound to transfer said iodine from said image to said sheet.

2,423,505
BRIDGE STABILIZED OSCILLATOR
Vernon D. Landon, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 9, 1943, Serial No. 497,926
2 Claims. (Cl. 250—36)



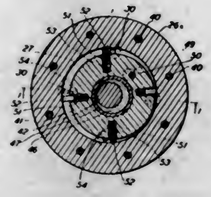
1. An oscillation generator comprising two cascaded stages of electron discharge tubes, each tube having an input circuit and an output circuit, tuning means in the input circuit of the first stage and in the output circuit of the second stage, a series resonant circuit in the output circuit of the first stage, a circuit for coupling said series resonant circuit to the input circuit of the second stage, a resistor of relatively low ohmic value interconnecting two points on the input circuit tuning means of the first stage, one of said points being grounded, means including a feedback circuit connected between the output circuit of the second stage and the input circuit of the first stage for causing oscillations of relatively low amplitude to be generated and for stabilizing the frequency of said oscillations, said feedback circuit being constituted as a T-bridge network composed of two series-inductive elements shunted by a single resistive impedance, a variable resistance element being connected at one end to the junction between said inductive elements and having its other end capacitively coupled to ground, said variable resistance element possessing a positive temperature coefficient of such value that phase compensation results from variations in the amplitude of the feedback energy.

2,423,506
WAVEMETER FOR CENTIMETER WAVES
Vernon D. Landon, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,149
6 Claims. (Cl. 250—39)



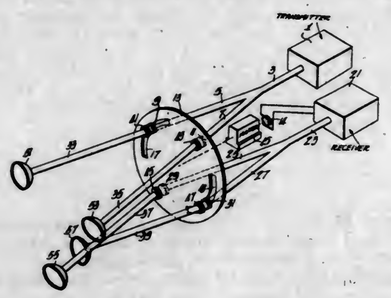
1. A microwave wavemeter for a waveguide transmission system including a cavity resonator comprising two hollow conductive elements disposed in adjustable telescopic relation, means for introducing microwave energy from said waveguide into said resonator, means for adjusting said telescopic relation of said elements to establish standing microwaves in said resonator in response to said microwave energy, means including a concentric line loosely coupled to said resonator to induce in said line signal currents in response to said standing waves, a detector connected in said line to rectify said signal currents to provide signal demodulation currents, and indicator means coupled to said line and responsive to said demodulation currents for indicating resonance of said cavity resonator to said microwave energy.

2,423,507
PLANETARY PISTON PUMP
Joseph B. Lawton, Bartlesville, Okla., assignor of one-half to S. N. Van Wert, Dallas, Tex.
Application October 11, 1941, Serial No. 414,625
6 Claims. (Cl. 103—132)



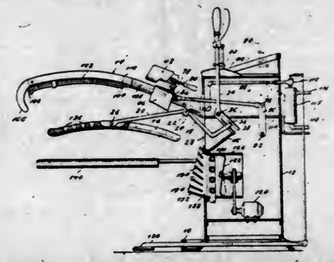
1. A pump comprising, a tubular body forming a stationary cylinder having planar end walls and a smooth annular wall, an annular piston of smaller diameter than said cylinder disposed therein with the ends of said piston in transverse sliding contact with the ends of said cylinder, said piston having radial slots extending the full length thereof and a radial groove in the front side of each slot, a drive shaft extending axially through said cylinder, an eccentric driving cam carried by said shaft and journaled axially in said piston and adapted to impart orbital movement thereto, anchoring means for said piston at an end thereof comprising a pin and a cooperating socket permitting but limiting an orbital movement of the pin, a plurality of circumferentially spaced sealing members extending between the periphery of said piston and said annular wall and together therewith adapted to form spaces of varying volume during the orbital movement of said piston, yieldable means in said slots urging said sealing members into sliding contact with a portion of said smooth cylinder wall, and suction and discharge passageways opening separately and directly from said end walls into said spaces and adapted to be alternately opened and closed by an end wall of said piston during its said movement and check valves in each of said passageways.

2,423,508
WAVE GUIDE SWITCHING DEVICE
George W. Leck, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1943, Serial No. 488,471
7 Claims. (Cl. 250—1.72)



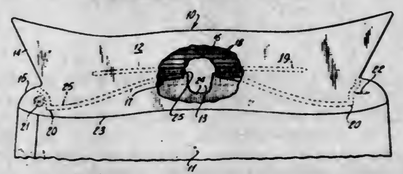
5. A wave guide switching device for a directional super-high frequency signalling system including a first wave guide, a super-high frequency transmitter, means connecting said first wave guide to said super-high frequency transmitter, a second wave guide, a super-high frequency receiver, means connecting said second wave guide to said super-high frequency receiver, a rotatable conductive element apertured to include at least two oppositely disposed arcuate slots having a width of the order of the width of said wave guides, a first pair of wave guides branching from said first wave guide and terminated adjacent the path of said slotted portion of said element at predetermined angular intervals on said path, a second pair of wave guides branching from said second wave guide and terminated adjacent said path at predetermined angular intervals from each of said guides of said first pair, a third pair of wave guides having one end thereof terminated adjacent the opposite face of said element in operable relation to the respectively terminated ends of said first pair of guides, a fourth pair of wave guides having one end thereof terminated adjacent said opposite face of said element in operable relation to the respectively terminated ends of said second pair of guides, and means for rotating said element for alternately switching oppositely disposed guides of said third and said fourth pairs into operable relation with said adjacently terminated guides of said first and said second pairs of guides respectively.

2,423,509
GARMENT SLEEVE STEAMER AND STRETCHER
Carl R. Lendle, Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application August 23, 1944, Serial No. 550,698
5 Claims. (Cl. 223—73)



1. A garment sleeve steamer and stretcher comprising first and second supports for inside sleeve engagement, said second support being movable, means for moving said second support relatively to said first support to stretch the sleeve crosswise, a garment shoulder engaging end on said first support, a sleeve clamp slidable longitudinally of said first support for the other end of said sleeve coacting with said garment shoulder engaging end for stretching the sleeve lengthwise, and means for admitting steam inside the sleeve.

2,423,510
ONE-PIECE COLLAR
Benjamin Liebowitz, Lewisboro, N. Y., assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York
Application March 30, 1946, Serial No. 658,376
3 Claims. (Cl. 2—131)

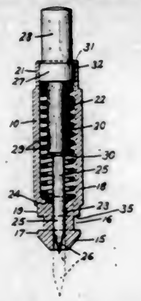


1. A one-piece collar of the type described comprising two outer plies each having integral collar-top and collar-band portions, and an intermediate lining containing adhesive substance, said lining providing an area to which the outer plies adhere and an area from which said plies are free of adhesion, said areas extending lengthwise of the collar and being delimited by a line of demarcation that extends down into the band portion through substantially the entire width thereof adjacent the ends of the collar and that rises to substantially the upper limit of the band portion in the middle region of the collar, the band portion being thereby stiffened adjacent the ends of the collar and substantially unstiffened in its middle region.

2,423,511
SELF-CENTERING AWL
Raymond R. Luben, Shelton, and Elbert C. Ford, Woodbridge, Conn.
Application March 12, 1946, Serial No. 653,771
9 Claims. (Cl. 164—119)

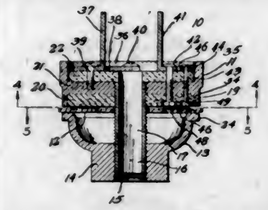
1. In a self centering awl, a casing having a cylindrical bore therethrough, a hole forming

member axially slidable and rotatable in the bore in said casing, said member having a cylindrical collar adjacent its upper end, a coiled spring engaging said collar to urge said member upwardly



into said casing, the upper end of said casing being spun over the said collar to form a stop shoulder to be engaged by said collar, and a member portion extending from the collar beyond the upper end of the casing.

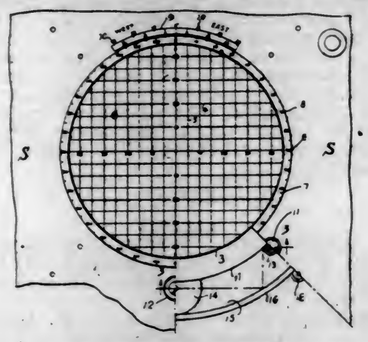
2,423,512
SAFETY FUSE OUTLET PLUG
Carlos Mantilla and John T. Graffin, Lima, Peru
Application January 10, 1946, Serial No. 640,330
4 Claims. (Cl. 200—115.5)



1. A fuse protected attachment plug which includes a body having an axial opening therein, a tubular stem projecting from one side of the body in axial alignment with the opening, a pair of spaced parallel contact prongs projecting from the body opposite the stem, a binding screw by which a conductor may be electrically coupled with one of the prongs, a contact post extending through the body and coupled electrically with the opposite prong, a second contact post extending through the body in spaced parallel relation to the first mentioned contact post, a binding screw to couple a conductor to the second mentioned contact post, a disk of non-conducting material mounted to rotate on the stem and an annular row of spaced radially extending fuse wires carried by the disk selectively to engage the contact posts and bridge the gap therebetween.

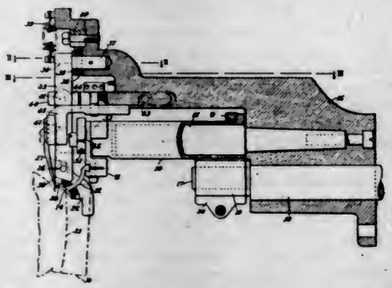
2,423,513
PROJECTION NAVIGATIONAL INSTRUMENT
Robert N. Meyer, Chicago, Ill.
Application September 18, 1945, Serial No. 616,979
3 Claims. (Cl. 88—24)

1. In combination, a projector provided with a source of light, a screen arranged in alignment with said projector and spaced from the latter, and a photographic slide holder interposed between said projector and screen in alignment with the light beam from the projector, said screen including a circular grid, a calibrated true track annulus, a calibrated magnetic deviation and variation arcuate scale arranged concentrically with said grid and true track annulus, and means for rotatably adjusting said grid and said magnetic deviation and variation scale in relation to said track annulus consisting of gear teeth on the periphery of the grid, a gear tooth pinion meshing with the teeth on said grid and adapted to be manipulated by a knob on the face of the



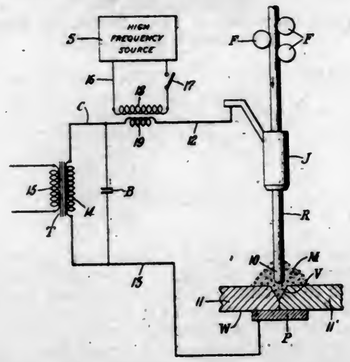
instrument panel, an interiorly gear tooth rotatable annulus adapted to rotate said arcuate magnetic deviation and variation scale in relation to said true track annulus, a gear tooth pinion meshing with the interior gear of said annulus which rotates the arcuate scale, and a knob of the face of the instrument panel adapted to rotate the last mentioned pinion.

2,423,514
JOINTING MACHINE
Homer B. Miller, Gardiner, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 14, 1945, Serial No. 605,096
8 Claims. (Cl. 12—85)



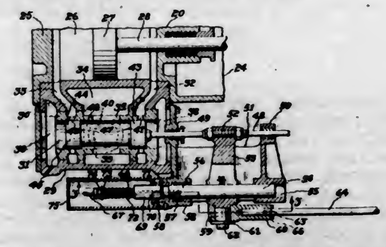
1. In a jointing machine of the type in which a trimming unit having a cutting edge is oscillated continuously by power-driven means to trim an edge of the sole of a shoe, the combination comprising a normally inactive chopping unit having a cutting edge for chopping surplus material trimmed by said edge of the trimming unit, a striker carried by said trimming unit for operating said chopping unit, a spring by which said chopping unit is normally retracted from the path of said striker, said chopping unit extending into the path of the heel of the shoe and being movable sidewise by the heel into the path of said striker, and means by which said chopping unit is guided to and from its path of chopping movement and along said path.

2,423,515
REPETITIVE BLANKETED ELECTRIC FUSION WELDING WITH HIGH-FREQUENCY STARTING
Edward D. Morris, Chicago, Ill., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 22, 1942, Serial No. 455,791
1 Claim. (Cl. 219—10)



A repetitive blanketed electric fusion welding process which comprises successively connecting each part of the work to be welded in a welding circuit including a fusible electrode the end of which is separated from the work by a bridge of granulated solid mineral-like welding material that is substantially non-conductive when cold, and energizing said circuit from a source of electric welding energy and an auxiliary source of high-frequency electric energy so that sparking takes place across the bridge of granulated material between the end of said fusible electrode and the work, thereby establishing a path sufficiently conductive to automatically start the fusion welding operation under the blanket of granulated welding material as each part of work is successively connected in the welding circuit.

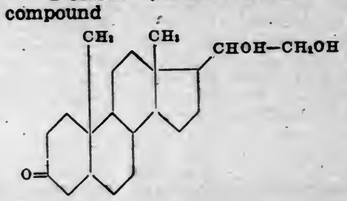
2,423,516
SAFETY DEVICE FOR VALVE GEAR OF EXPANSIBLE CHAMBER MOTORS
Julius Naab and Richard Ostwald, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 16, 1945, Serial No. 622,596
3 Claims. (Cl. 121—47)



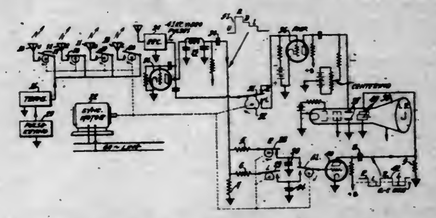
1. A safety device for a pressure fluid actuated engine, comprising a casing having a piston chamber and supply passages leading to the ends of the piston chamber, a reciprocatory valve to control the supply passages, a driver, linkage to transmit motion from the driver to the valve having in its organization a connector adapted to break when subjected to an abnormal strain for detaching the driver from the valve, and means reciprocable with the valve and acting responsively to a super-normal speed of the driver for interlockingly engaging the casing to cause the breaking of the connector.

2,423,517
3-KETO-20,21-DIHYDROXY SATURATED PREGNANE COMPOUNDS
Tadeus Reichstein, Basel, Switzerland, assignor to the firm of Roche Organon, Inc., Nutley, N. J.
No Drawing. Original application February 7, 1941, Serial No. 377,915, now Patent No. 2,312,483, dated March 2, 1943. Divided and this application January 27, 1943, Serial No. 473,765
1 Claim. (Cl. 260—397.4)

The compound



2,423,518
CATHODE-RAY TUBE DIRECTION FINDER
Henry E. Rhea, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 27, 1943, Serial No. 512,028
11 Claims. (Cl. 250—1.72)

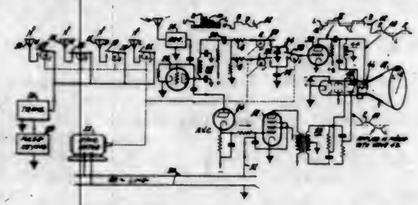


1. In a radio pulse-echo system, a plurality of directive antennas having overlapping radiation patterns in a certain plane, a radio pulse transmitter unit and a radio pulse receiver unit, means for switching said antennas successively to at least one of said units, a cathode ray tube indicator having a pair of horizontal deflecting elements and a pair of vertical deflecting elements, means for obtaining a rectangular wave having a peak-to-peak amplitude that is a measure of the relative amplitude of the two groups of reflected pulses in said plane, means for applying said rectangular wave to one pair of said deflecting elements, and means for applying to the other pair of deflecting elements a deflecting voltage which is in synchronism with said signal wave.

2,423,519
REFLECTED WAVE DIRECTION FINDER
Henry E. Rhea, Collingswood, N. J., and Frank P. Wipff, Dallas, Tex., assignors to Radio Corporation of America, a corporation of Delaware
Application December 24, 1943, Serial No. 515,498
7 Claims. (Cl. 250—1.72)

1. In a radio pulse-echo system, a plurality of directive antennas having overlapping radiation

patterns in a certain plane, a radio pulse transmitter unit and a radio pulse receiver unit, means for switching said antennas successively to at least one of said units, a cathode ray tube indicator having a pair of horizontal deflecting elements and a pair of vertical deflecting elements, means for obtaining a sine wave having a peak-



to-peak amplitude that is a measure of the relative amplitudes of the two groups of reflected pulses in said plane, means for applying said signal wave to one pair of said deflecting elements, and means for applying to the other pair of deflecting elements a sine wave which is in phase with said first wave.

2,423,520

PHOTOPOLYMERIZATION OF VINYLIDENE COMPOUNDS IN THE PRESENCE OF N-DISUBSTITUTED DITHIOCARBAMIC ESTERS

Lawrence Marion Richards, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 6, 1943, Serial No. 505,192

5 Claims. (Cl. 204—162)

2. A process for preparing polymers which comprises irradiating, with light of wave length in the range from 2500 to 5000 Angstroms, a composition comprising a polymerizable compound having but one $CH_2{=}C<$ group and that activated by direct attachment to a different negative group of the class consisting of halogen, >C=O, —CN, —C≡C—, —O— and aryl and from 0.01 to 5%, based on the weight of said $CH_2{=}C<$ compound, of an N-disubstituted dithiocarbamic acid ester of an aliphatic alcohol, the irradiation being of sufficient intensity and employed for a time sufficient to produce substantial polymerization.

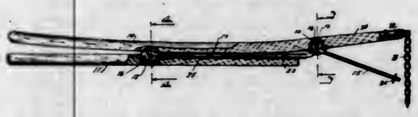
2,423,521

TROUSERS STRETCHER

Lloyd L. Selby, Denver, Colo.

Application May 8, 1945, Serial No. 592,585

1 Claim. (Cl. 223—63)



A trousers leg stretcher comprising: an elongated curved stretching arm; a second straight stretching arm; a first pivot member at substantially the mid-point of said straight stretching arm; a second pivot member adjacent one extremity of said curved stretching arm; a resilient metallic rod; a terminal eye formed on one extremity of said rod and surrounding said first pivot member; an intermediate eye formed in said rod and surrounding said second pivot member, said rod and said curved stretching arm projecting beyond said second pivot member; and a connected series of links secured to the end of the projecting extremity of said curved stretching arm, said links being sufficiently open to selectively receive the end of the projecting extremity of said rod.

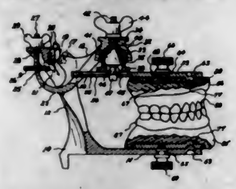
2,423,522

ARTICULATOR

Albert Shmukler and Harry Bronstein, Philadelphia, Pa.

Application May 4, 1945, Serial No. 591,916

3 Claims. (Cl. 32—32)



3. In an articulator having a support for mounting a jaw model, a jaw model, an insert adapted to be cast integrally with said model and provided with a protuding flange to insure retention therein, said support being provided with three triangularly disposed projecting cups and an intermediately disposed bore, said insert having indentations appropriately shaped and spaced to engage said cups and a tapped opening aligned with the bore when said cups are engaged by said indentations, and a thumb screw protruding through said bore and engaging the threads in said opening, whereby detachably to secure said model to said support in readily reproducible relative position.

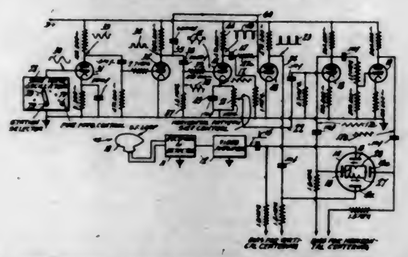
2,423,523

PULSE DIRECTION FINDER SYSTEM

Benjamin Shmurak, Forest Hills, N. Y., and George D. Hulst, Jr., Upper Montclair, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application December 30, 1943, Serial No. 516,196

4 Claims. (Cl. 250—11)



1. Receiving apparatus for receiving radio pulses, said apparatus comprising a pulse receiver, a cathode ray indicator tube having a horizontal deflecting means and a vertical deflecting means, means for producing a sawtooth deflecting wave which may be made to recur in synchronism with the received pulses, said sawtooth wave having a gradually sloping portion and a steep return-line portion, means for applying said sawtooth wave to said horizontal deflecting means, means for producing periodically recurring electrical pulses each of substantially the same duration as one of said sawtooth wave portions and occurring simultaneously therewith, means for applying said last pulses to said vertical deflecting means whereby the fast cathode-ray trace produced by said

return-line portion and the slow trace produced by said gradually sloping portion are separated, means for producing an indication on one of said cathode-ray traces in response to the reception of a pulse, and means for adjusting the relative phase of said sawtooth wave and the received pulses whereby the pulse indication may be made to occur on either the slow trace or the fast return-line trace as desired.

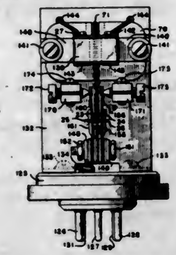
2,423,524

VIBRATOR

Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 1, 1941, Serial No. 421,176

21 Claims. (Cl. 200—90)



18. In combination, a resilient reed fixed at one end and movable at the other end, a permanent magnet located in its entirety alongside of the edge of the movable end of the resilient reed with its poles adjacent the movable end of the resilient reed, a coil surrounding the resilient reed adjacent its movable end for alternately reversing the polarity of the movable end of the resilient reed for vibrating the resilient reed, the permanent magnet being reduced in cross section at the poles for concentrating the flux produced thereby at the movable end of the resilient reed, a relatively stationary contact, a movable contact remotely located from said permanent magnet and coil and operated by the resilient reed for engaging and disengaging the relatively stationary contact, one of the contacts being provided with a polished platinum iridium engaging surface and the other contact being provided with a palladium silver engaging surface which mates precisely with the polished platinum iridium surface upon repeated engagement therewith, a spring arm fixed at one end and carrying the relatively stationary contact near the other end and biased to move the relatively stationary contact toward the movable contact and to permit movement of the relatively stationary contact in the opposite direction when it is engaged by the movable contact, and a stop for limiting the movement of the spring arm and the relatively stationary contact toward the movable contact, said spring arm being ribbed throughout a portion of its length to strengthen the ribbed portion and to limit bending of the spring arm to the unribbed portion, the contacting surfaces of the spring arms and the stops being so related to the contacting surfaces of the relatively stationary contacts and the movable contacts that the wear at the contacting surfaces is substantially the same whereby the relative positions of the relatively stationary contacts and the movable contacts remain substantially the same regardless of wear, and a member adjacent the coil for producing a low resistance path for the flux produced by the coil and for shielding the contacts from magnetic strays produced by the coil.

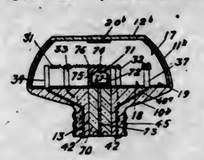
2,423,525

ELECTRIC LAMP

Grover C. Singer, Brownsville, Tex.

Application February 13, 1945, Serial No. 577,654

2 Claims. (Cl. 176—34)



1. An incandescent electric lamp comprising a globe having a tubular base, a filament, a plug of colored glass hermetically sealed within the base having an inner end projecting into the bulb and provided on its end with a reflecting coating, a reflecting coating provided on the side walls of the bulb only to a point above the end of the plug, and an opaque reflecting surface at the center of the outer end of the bulb in alinement with the filament and the reflecting surface on said inner extension, whereby those light rays passing through the colored glass and falling on the reflecting surface of the side walls of the bulb and those reflected from the central reflecting surfaces at the center of the bulb and the end of said plug will be projected outwardly through the clear space of the outer end of the bulb together with the normal rays from the filament to provide a soft light glow emanating from the lamp.

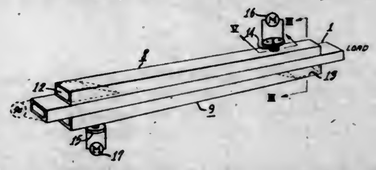
2,423,526

REFLECTOMETER FOR WAVEGUIDE TRANSMISSION LINES

Carl G. Sontheimer, Haddonfield, and Nathaniel I. Korman, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application March 30, 1944, Serial No. 528,785

6 Claims. (Cl. 171—95)



1. A reflectometer for measuring standing waves over a wide frequency range in a waveguide system including a main waveguide, second and third waveguides aperiodically coupled to said main waveguide over a distance exceeding a half wavelength at any operating frequency, first wave magnitude detecting means in said second waveguide responsive substantially only to forward-traveling waves in said main waveguide and second wave magnitude detecting means in said third waveguide responsive substantially only to backward-traveling waves in said main waveguide.

2,423,527

PROCESS AND APPARATUS FOR THE CRACKING OF CARBONACEOUS MATERIAL

Michael Steinschlaeger, London, England

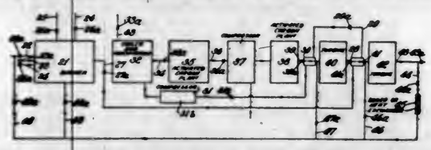
Application April 3, 1944, Serial No. 529,388

In Great Britain April 29, 1943

2 Claims. (Cl. 196—67)

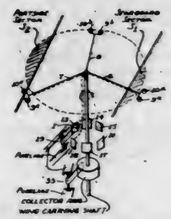
1. A continuous process for the cracking of oil and the generation of power which comprises at

least partially burning a fuel in a burner to produce combustion gases, mixing oil with said combustion gases, the sensible heat of the said combustion gases being sufficiently high to crack the oil, passing the mixture of cracking products and combustion gases through two heat exchangers in series to cool said mixture, passing said cooled mixture through a cooler to remove tar, heavy hydrocarbons and steam, passing the uncon-



densed residue through a compressor to cause condensation of further constituents of the mixture and raise the pressure, heating the compressed mixture by passing it through one of said heat exchangers, passing the heated mixture still under pressure through a gas turbine, heating the exit gases from said turbine by passing them through the other of said heat exchangers and passing the heated gases still under pressure through a second gas turbine.

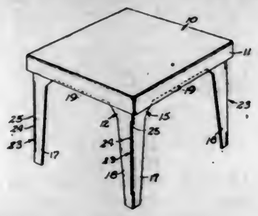
2,423,528
HELICOPTER NAVIGATION LIGHT
Everett R. Stewart, Glendale, Calif.
Application July 12, 1944, Serial No. 544,578
5 Claims. (Cl. 177—329)



2. A navigational light arrangement for helicopters and similar craft having a rotating member, provided with wings, and a shaft carrying the same, comprising a navigational light structure on each wing, said structure including navigational signal lamps having different characteristics, operative circuits for each of said lamps, and means for operating each signal lamp during part of the rotational movement of the wing carrying said lamp structure, said means including contact segments forming part of a ring operatively associated with the wing carrying shaft for controlling the operation of the lamp circuits.

2,423,529
FOLDING TABLE
Auburn Taylor, Charleston, W. Va.
Application June 30, 1945, Serial No. 602,460
8 Claims. (Cl. 311—84)

8. A folding table comprising, in combination, a rectangular top having opposite pairs of leg units formed of sheet material, hinge strips differing in thickness by the thickness of said leg units attached to the under side of the top adjacent its edges, said leg units being foldably hinged to said strips and adapted to be folded under said top to lie one on the other, each unit comprising spaced leg elements and an integral interconnection extending between the tops of said leg elements and by which said leg units are hinged, the outside edges of each pair of leg elements engaging like edges of adjacent units when unfolded

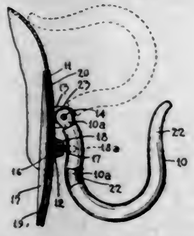


and having formed thereon complementary dovetail mortises and tenons adapted to interfit to hold the leg units in unfolded position.

2,423,530
ALKYLATION OF ARYL HYDROCARBONS
Carlisle M. Thacker, Highland Park, and Ralph C. Swann, Skokie, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 13, 1943, Serial No. 514,161
16 Claims. (Cl. 260—671)

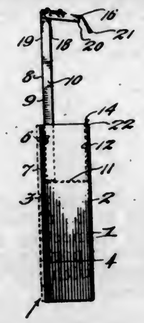
1. The method of synthesizing alkyl benzenes which comprises reacting benzene with a compound selected from the group consisting of aliphatic mercaptans and alkyl sulfides at a temperature of approximately 100°–400° C. in the presence of a Friedel-Crafts catalyst for a period of time sufficient to permit formation of a substantial quantity of alkyl benzenes.

2,423,531
GUN SUPPORT
Matthew F. Theis, Minneapolis, Minn.
Application August 20, 1945, Serial No. 611,594
4 Claims. (Cl. 224—2)



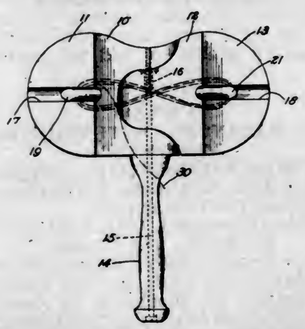
3. In a gun support, a mounting member formed with an aperture therein, attaching means for removably securing the mounting-member to the front of a hunter's coat, said attaching means including a back member, a threaded stud issuing forwardly therefrom and adapted to pass through the material of the coat and through said aperture in the mounting member, and a nut screwed on the forward end of said stud and against the mounting member for clamping the two members against the coat material from opposite sides thereof, a hook-rest pivotally secured to said mounting member normally to hang in position overreaching said end of said stud and the nut thereon, said hook-rest being adapted to be swung out of its normal position to facilitate the application of said nut to and the removal thereof from said stud.

2,423,532
MAIL BOX
Stella J. Travis, Spirit Lake, Iowa
Application January 7, 1946, Serial No. 639,494
3 Claims. (Cl. 232—17)



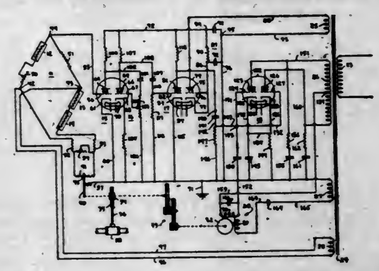
3. A mail box comprising in combination, an elongated, vertically disposed casing including a three-sided jacket and a flat mounting plate, the opposite sides of said jacket having out-turned marginal flanges at the longitudinal edges thereof, fastening means for simultaneously securing said flanges to said plate and said plate to supporting structure, a mail receptacle slidable in said casing, said receptacle comprising an elongated back wall having a bottom extending forwardly from the lower edge thereof, a cover secured to the upper end of said back wall, down-turned edge portions at the front and sides of said cover, said cover normally closing the upper end of said casing, a relatively short front wall extending from the front edge of said bottom, and an out-turned edge at the upper end of said front wall, said front wall having resilient qualities and bearing against the inside of said casing, said out-turned edge being engageable with the upper edge of said casing and thereby holding said receptacle in a partially withdrawn position.

2,423,533
WINDING APPLIANCE
Dora E. Turner, Beverly, Mass.
Application December 8, 1945, Serial No. 633,662
5 Claims. (Cl. 242—127)



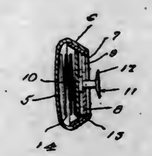
1. A winding appliance comprising a pair of outwardly tapering body pieces hinged together to swing about a medial axis and having flat yarn-supporting faces of substantial area, a handle disposed in alignment with said axis, an upstanding winding pin in each body piece supported in diverging relation one to the other, and a metallic rod extending through the handle and both of the body pieces and supplying the axis for the hinged movement thereof.

2,423,534
CONTROL APPARATUS
Albert P. Upton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 3, 1942, Serial No. 437,561
9 Claims. (Cl. 179—171)



2. An electronic amplifier circuit, comprising in combination, three stages of amplification, each stage having an electronic discharge device and an input and an output circuit, the discharge devices of said three stages having substantially the same electrical characteristics, means for supplying a signal voltage to the input circuit of the first stage, and means in only the intermediate of said three stages for producing a degenerative feedback effect to suppress any tendency of any two adjacent stages to cooperate in the generation of oscillatory voltages, said last named means consisting of an unbypassed resistor common to the input and output circuits of said intermediate stage.

2,423,535
DETACHABLE BUTTON
Grover Cleveland Welter, Roswell, N. Mex.
Application May 20, 1944, Serial No. 536,626
1 Claim. (Cl. 24—104)



A quickly detachable and applicable military uniform button of the class described comprising a hollow shell embodying an outer main capping section and a complemental interiorly located and fixedly mounted inner section, said inner section being in the form of a shallow cup having a marginal tapered wall and a complemental disc-like wall, the latter provided with a centrally arranged keyhole-slot, the marginal edge portion of said outer section being tapered, conforming to and exteriorly surrounding and inclosing the tapered marginal wall of said cup, and a spring-pressed stud clamping and retaining disc located in said shell and normally lodged and confined in said cup, said disc being of a diameter greater than the slotted disc-like wall of said inner cup

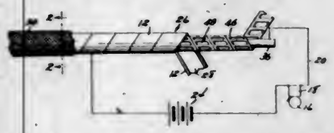
section, being spaced slightly from said wall and riding in movable contact with the inner surfaces of the tapered marginal wall of said cup and being adapted to press the headed inner end of a double headed stud, seated in said slot, against the inner surface of the disc-like wall of said cup, in the manner and for the purposes described.

2,423,536
HOOK FOR HOLDING CLOTHESLINES OR THE LIKE
Charles C. Wester, Sr., Washington, D. C.
Application November 16, 1945, Serial No. 629,150
4 Claims. (Cl. 24—131)



1. A hook of the character described formed from a strand of resilient metal and comprising a shank adapted to be secured to a support and an upstanding head at a front end of the shank, said head being of inverted U-shaped formation and having a bridge and arms extending downwardly therefrom and at lower ends of its arms being provided with inwardly extending portions extending towards each other inwardly of the head at an upward incline, one of the said upwardly inclined portions having its inner end integrally united with the shank, and the other upwardly inclined portion having a free inner end portion bent to form a rearwardly extending jaw spaced from a confronting side of the shank and terminating in a bevelled rear end face.

2,423,537
FIRE DETECTING CABLE
Dock R. Wheeler, Shreveport, La.
Application March 5, 1943, Serial No. 478,152
5 Claims. (Cl. 200—143)



1. A cable of the type described comprising first and second conductors each of material fusing at a relatively low temperature, insulation wound spirally on said first conductor; said second conductor assuming the shape of a ribbon and wound spirally on said insulation reversely thereof with spaces between the convolutions and said insulation normally spacing said first conductor from said second conductor therefor, and said insulation being provided with interstices through which fusion of the conductors will make contact therebetween.

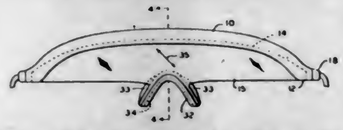
2,423,538
TOE SHIELD
Alexander W. Whiteford, New York, N. Y.
Application March 12, 1946, Serial No. 653,761
1 Claim. (Cl. 128—153)

A shield for the purpose specified consisting of a fabric strip arranged with a pair of disk-like portions, a portion connecting the disk portions in spaced relation and having a slot therein, and a tab portion extended from one disk portion diametrically opposite the disk connecting portion and arranged with an enlarged end, said strip adapted to encircle a toe with the disk portions superposed to each other relative to an



affected part of the toe and the tab portion superposed and adapted to be releasably engaged in the slot of the disk connecting portion with the enlarged end of the tab portion retaining the tab portion in engagement with the slot to retain the shield upon the toe.

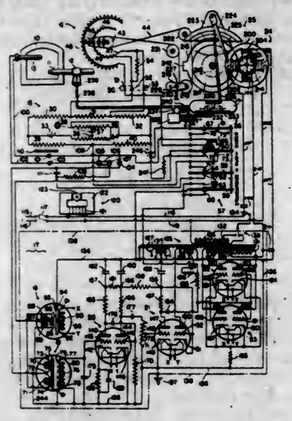
2,423,539
VIEWING VISOR
Charles W. Williams, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application April 19, 1945, Serial No. 589,113
6 Claims. (Cl. 88—41)



1. An ophthalmic device comprising, in combination, a bar element adapted to extend generally across the face and above the eyes of the wearer of said device, temple means for holding said device in position on said wearer, lens means comprising a sheet of transparent, selectively light-absorbing, organic plastic material, means for securing said lens to said bar, the lower edge of said lens sheet substantially coinciding with a horizontal plane through the optical axes of said wearer, said sheet having a pair of tab portions adjacent the middle of the lower edge thereof, said tab portions extending downwardly below the lower edge of said lens in said horizontal plane, and said tab portions defining a nose recess therebetween, nose-engaging means fitting within said recess, and means for securing said nose-engaging means to said tab portions.

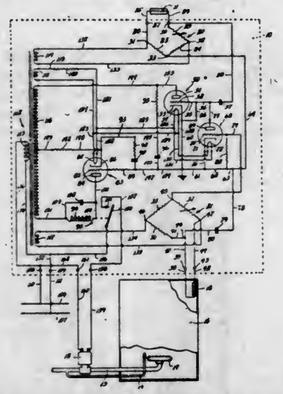
2,423,540
SELF-BALANCING POTENTIOMETER MECHANISM
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1941, Serial No. 421,173
52 Claims. (Cl. 171—95)

1. In combination with a potentiometer circuit having means for producing an electromotive force, a battery for producing an electromotive force in opposition to the first mentioned electromotive force and means responsive to the difference between the opposed electromotive forces, an adjustable rheostat comprising an adjustable resistance subject to substantially the same ambient temperature conditions as the battery and located in series with the battery for standardizing the battery with respect to a known electromotive force, said adjustable resistance having a temperature resistance coefficient to com-



pensate for changes in the electromotive force produced by the battery as a result of changes in the temperature of the battery.

2,423,541
CONDITION CONTROLLING APPARATUS
John M. Wilson and Francis A. Busse, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 25, 1944, Serial No. 551,228
16 Claims. (Cl. 236—9)

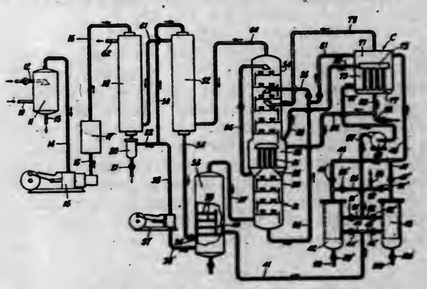


5. In condition controlling apparatus; a control device for controlling condition changing apparatus; means for controlling said device including an impedance element whose impedance changes with the value of a controlling condition; further means for limiting the action of said last named means whenever the value of a limiting condition is beyond a predetermined value beyond which a decrease in the effect of the condition changing apparatus is desirable, said further means comprising a further impedance element whose impedance changes with the value of said limiting condition and an electronic discharge device having an anode, a cathode, and a control element; connections between said anode and cathode and said first named means, and further connections between said control element and said further impedance element; said discharge device and said further connections being such that when said limiting condition is on the desired side of said limiting value, said discharge device is effectively non-conductive.

2,423,542
MONOAZO DYES
John Wright, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application July 8, 1942, Serial No. 450,189. In Great Britain August 13, 1941
10 Claims. (Cl. 260—206)

4. A substituted 4-amino-4'-lower-alkoxy azobenzene in which the 4-amino group is primary and in which the substituents apart from the 4-amino group and the 4'-alkoxy group are selected from the group consisting of lower alkyl, lower alkoxy, halogen, and acidylamino, each of at least three of said substituents being in an ortho position to the azo group.

2,423,543
PROCESS AND APPARATUS FOR SEPARATING GAS MIXTURES
Edward F. Yendall, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application August 1, 1944, Serial No. 547,598
12 Claims. (Cl. 62—175.5)

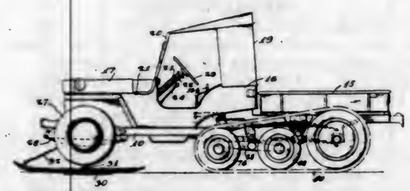


1. In a process for the separation of air containing high boiling point impurities by rectification at low temperatures wherein a compressed cooled gas mixture is separated into an impurity-free gas fraction and a liquid fraction containing said impurities, the gas fraction is passed to a relatively high pressure rectification zone, the said liquid fraction is filtered to remove solid impurities therein, the filtered fraction is progressively vaporized whereby solid impurities are concentrated in the liquid residue in a vaporization zone, and the resultant vapors are rectified; the improvement which comprises the steps of filtering a selected portion of unvaporized liquid residue from said vaporization zone, mixing the resultant filtered liquid residue with said filtered liquid fraction, and conducting the resultant mixture to said vaporization zone, thereby preventing the accumulation of solid impurities in said zone.

2,423,544
MOTOR VEHICLE OF THE ENDLESS TREAD TYPE
Russel D. Acton, Chicago, Ill.
Application August 27, 1945, Serial No. 612,981
5 Claims. (Cl. 180—9.1)

1. An automotive vehicle including a frame, a spring arranged at each side of said frame and

carried thereby, means including an axle housing connecting the rearward ends of said springs, axles revolvably mounted in said housing; driving wheels carried by said axles; a walking beam arranged at each side of said frame and carried by the forward extremities of said springs; each



of said walking beams supporting a pair of wheels journaled for rotation thereon, traction means associated with said wheels and actuated by the driving wheel, and linkage connecting said walking beams and extending transversely of the vehicle.

2,423,545

ESTERIFICATION OF TERPENE ALCOHOLS

Max E. Aeschbach, Pompton Plains, N. J., assignor to Norda Essential Oil & Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 13, 1944, Serial No. 544,834
7 Claims. (Cl. 260—489)

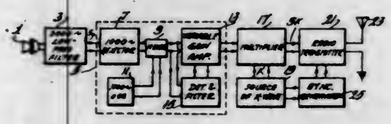
1. A process of esterifying a terpene alcohol with a diacyl anhydride of acetic acid under conditions such that free acetic acid is formed as a by-product, which acid interferes with the esterification reaction, which comprises reacting the said alcohol with the said anhydride in the presence of an entrainer which forms with acetic acid a binary azeotrope boiling lower than any of the ingredients in the reaction mixture, and distilling said azeotrope from the reaction mixture as acetic acid is formed.

2,423,546

CADENCE SUPPRESSION SYSTEM FOR SECRECY COMMUNICATION

Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 24, 1945, Serial No. 618,339
24 Claims. (Cl. 179—1.5)



1. In a secret telecommunication system, the method of utilizing an interfering signal to increase the transmission security of a communication signal comprising the steps of combining said communication signal and said interfering signal to provide a distorted signal having an envelope of uniform amplitude, coding said distorted signal, transmitting said coded signal, receiving and decoding said transmitted signal to derive said distorted signal, segregating said interfering signal component from said received decoded distorted signal, and deriving said communication signal.

2,423,547

CALENDERED FILTER MATERIAL AND METHOD OF FORMING SAME

Robert A. Behlen, Chagrin Falls, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware

Application January 1, 1944, Serial No. 516,616
1 Claim. (Cl. 210—169)



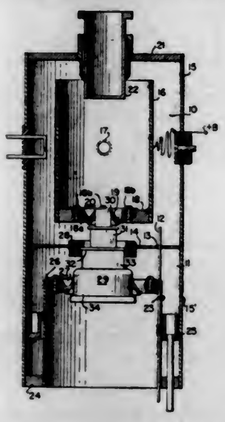
Filter material comprising a cloth of deformable material having two series of metal filaments in parallel relationship, the filaments of one series crossing the filaments of the other series at right angles, each filament passing alternately over and under crossing filaments providing nodes at said crossing points, each filament being separated from other parallel filaments by definite substantially fixed distances providing fixed filter openings of the order of a few thousandths of an inch, said cloth being flattened to a substantially uniform thickness over its entire surface, and said flattening being suficient to cause the metal of each filament at each node to flatten out in a plane until it substantially touches adjacent flattened nodes in the same plane, whereby said filter material provides a flat surface easily cleaned and said filament material is forced into said fixed filter openings to limit said openings by a predetermined amount.

2,423,548

ELECTRICAL CONNECTOR

Basil A. Bels, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application April 20, 1945, Serial No. 589,432
7 Claims. (Cl. 173—328)



1. An electrical connector adapted to engage an approximately cylindrical conductive contact member comprising, stacked laminations of resilient conductive material having nested V-shaped contact fingers arched normal to the plane of lamination and extending radially with respect to a common axis to provide at their inner ends a cylindrical laminated contact surface normally symmetrical about said common axis but deformable to maintain coincidence of the axis of said contact surface with that of said contact member when said member is positioned in engaging relation with said surface, whereby said connector is adapted to ensure consistent and substantially uniform electrical and thermal contact with said contact member while minimizing the force required to effect complete engagement of said member with said connector.

2,423,549

SILVER HALIDE PHOTOGRAPHIC EMULSIONS SENSITIZED BY POLYALKYLENE GLYCOLS

Ralph Kingsley Blake, Parlin, William Alexander Stanton, New Brunswick, and Ferdinand Schulze, Westfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 10, 1945, Serial No. 572,248
5 Claims. (Cl. 95—7)

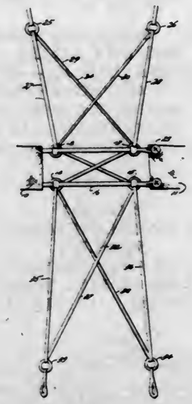
1. In a photographic element a light-sensitive silver halide emulsion layer having in intimate contact therewith a polyalkylene glycol having a molecular weight of at least 400 the alkylene groups of which contain 2 to 4 carbon atoms and constitute the only hydrocarbon groups in the said glycols.

2,423,550

EQUALIZER

Stella M. McMahon Burke, Los Angeles, Calif.

Application August 19, 1944, Serial No. 550,235
4 Claims. (Cl. 2—42)



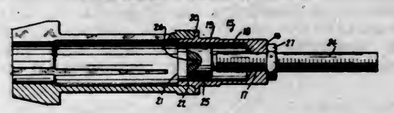
2. An equalizer comprising four spaced rings, an endless flexible member slidably extending through the rings and providing two connecting reaches and two crossed reaches, an additional pair of rings, and a second flexible member slidably extending through two of the rings of the mentioned four and said additional pair of rings, providing two connecting reaches and two crossed reaches, and a second pair of additional rings on the opposite side of the mentioned four rings from said pair of additional rings, and a third flexible member slidably extending through said second pair of additional rings of the mentioned four, providing two connecting reaches and two crossed reaches.

2,423,551

SCREW MACHINE COLLET STOP

Milton D. Caffin, New York, N. Y.

Application May 28, 1945, Serial No. 596,317
4 Claims. (Cl. 279—46)



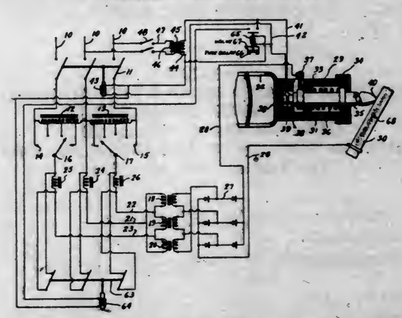
2. A collet stop comprising a tubular member open at one end and having at its other end a wall formed with an axial screw-threaded opening, said tubular member being formed with an annular outwardly extending flange adjacent its open end, and a screw adjustably engaged in said screw-threaded opening, the outer diameter of said tubular member on opposite sides of said flange being uniform and of a size to nicely fit the internal diameter of the rear end of a conventional collet.

2,423,552

MAGNETIC TESTING APPARATUS

John E. Clarke, Chicago, Ill., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware

Original application September 10, 1941, Serial No. 410,334. Divided and this application May 28, 1942, Serial No. 444,780
7 Claims. (Cl. 175—183)



1. In combination, a contact prod, an auxiliary switch on said prod, an abutment of conducting material engageable by said prod, a source of alternating current, rectifier means, a first circuit means connecting said rectifier means with said prod and said abutment of conducting material to pass current therethrough through said prod, a second circuit means connecting said rectifier means with said source for energization thereby, a main switch in circuit connection with said second circuit means, motor means connected to operate said main switch, a third circuit means connecting said auxiliary switch with said motor means for the energization of said motor means, an impedance, and timing means operably connected with said third circuit to automatically insert said impedance in said second circuit means.

2,423,553

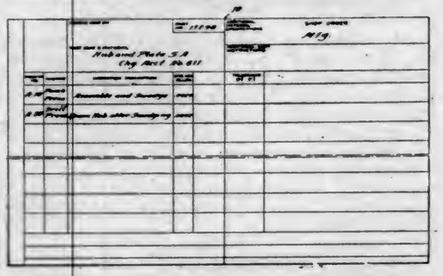
PROCESS OF PRINTING FROM A COMPOSITE HECTOGRAPHIC FORM.

William S. Cochran, Evanston, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application April 1, 1943, Serial No. 481,463
2 Claims. (Cl. 101—149.4)

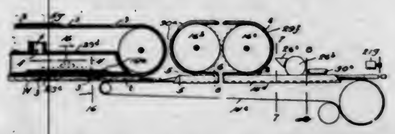
1. A duplicating method for job record and like systems which comprises forming a composite

master from a permanent reusable master sheet having information thereon in copyable ink and a single use master strip having information thereon in copyable ink by covering a predetermined section of the master sheet with said master strip, producing copies having classifying information thereon from said composite master upon individual composite copy and master sheets, adding new master information com-



prising information common to a group of like sheets and information differing on the individual sheets of a group, in hectograph ink to a marginal edge of said last named sheets and reproducing on a single copy sheet the master information on the individual sheets of a group by overlapping them to form a composite master exposing the marginal edge master portion of each sheet.

2,423,554
METHOD OF AND MEANS FOR MAKING MOUTHPIECE CIGARETTES
Glenn Davidson, Aurora, Ill.
Application February 19, 1940, Serial No. 319,760
18 Claims. (Cl. 131—61)

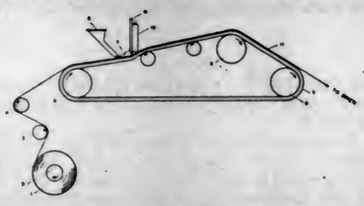


1. In apparatus of the character described, means for attaching sections of flat mouthpiece material upon a web of wrapper paper in spaced relation, means for depositing tobacco upon said web and said sections, means for removing the major portion of such tobacco deposited upon said mouthpiece sections and means for severing strands of tobacco overlying said mouthpiece sections.

11. In a method of manufacturing mouthpiece cigarettes the steps which comprise securing sections of mouthpiece material to a web of wrapper paper in spaced relation, then depositing tobacco upon said web and sections, then removing the major portion of such tobacco deposited upon said sections and then cutting strands of such tobacco overlying said sections.

2,423,555
COATED PAPER PRODUCT
Clarence D. Ender, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application April 24, 1944, Serial No. 532,463
2 Claims. (Cl. 117—111)

1. A method for applying to paper extremely thin coatings of chlorinated rubber, impervious to moisture and most oils, which comprises applying to a moving, continuous web of the paper a viscous composition comprising chlorinated rubber in a quantity between 40% and 80%, plasticizer between 15% and 50%, 0–5% wax, 0–25% resin, the percentages being by weight of total nonvolatile components of the composition, and volatile solvent for the chlorinated rubber and other ingredients, the solvent being in a quantity such that the nonvolatile content of the composi-

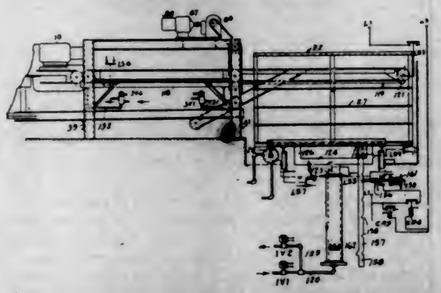


tion is 40–80% by weight and the viscosity of the composition is 600 to 600,000 centipoises by the falling ball method at the temperature of application used, and drawing out the composition by pressure of a doctor against the moving paper while resiliently supported, to a continuous coating which, when dry, will have a thickness from about 0.0001 to about 0.0008 inch and a weight no greater than 30 pounds per ream of 3600 square feet, and drying the resulting coating.

2,423,556
HYGROSCOPIC LIQUID COMPOSITION AND THE PROCESS OF SOFTENING PAPER WITH SAID COMPOSITION
Richard Feibelmann, New York, N. Y., assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 17, 1943, Serial No. 483,494
6 Claims. (Cl. 106—287)

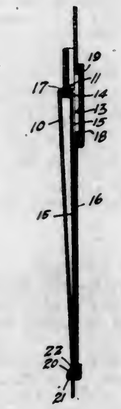
1. A composition consisting essentially of urea and potassium formate in a molecular ratio within the range of approximately 2 to approximately 6 mols of potassium formate to each 3 mols of urea.

2,423,557
APPARATUS FOR HANDLING CONCRETE BLOCKS
Robert M. Gray, Sheffield, Ala.
Application April 10, 1944, Serial No. 530,339
13 Claims. (Cl. 214—18)



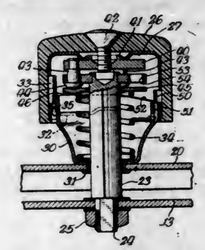
2. In apparatus of the character described, a machine for handling pallets bearing concrete blocks comprising a stationary conveyor, a shuttle conveyor adapted to telescope within the stationary conveyor and to be extended beyond the stationary conveyor, a stationary conveyor frame, a supporting track for the shuttle conveyor mounted on the stationary conveyor frame, means included in the stationary conveyor for delivering pallets to the shuttle conveyor when extended, a rack having a plurality of superposed lateral shelves on which the pallets are loaded, a hydraulic hoist for the rack, control means for the hoist operative responsive to the delivery of pallets to the shuttle conveyor and adapted to position the successive shelves beneath the shuttle conveyor and to raise the rack for the shelves to engage the pallets and lift them off the conveyor, other control means operative responsive to raising the hoist to its highest position to retract the shuttle conveyor from the rack and lower the hoist and rack, a rotary support disposed to receive the rack as it is lowered by the hoist, a hydraulic cylinder and plunger for imparting intermittent rotary motion to the support, and control means for the hydraulic cylinder operative responsive to lowering the hoist to its lowest position.

2,423,558
METHOD OF PRODUCING MOCK PATCH POCKETS
Isidor J. Herman and Alexander D. Davis, Montreal, Quebec, Canada
Application November 7, 1945, Serial No. 627,139
In Canada October 17, 1945
4 Claims. (Cl. 2—247)



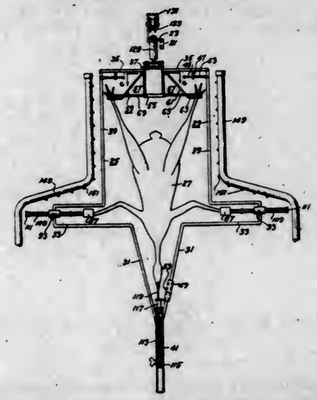
4. A method of forming a pocket on a piece of material to simulate a patch pocket, comprising slitting the material along a straight line parallel to the intended top edge of the pocket, sewing lining material to the top of the resulting slit, sewing a stitch line defining the outline of the bottom and sides of a pocket through said material and through said lining, the portions of the line defining the sides of the pocket ending in the area of the ends of said slit, folding said material along said stitch line away from the reverse side of the said material, sewing, from such reverse side, a line of stitching through the folded two thicknesses of material and through said lining material close to the fold line, folding said material back again from the obverse side thereof along the second line of stitching, and sewing a further line of stitching spaced inwardly from and approximately parallel to the first stitch line from the obverse side of said material.

2,423,559
PRESSURE COOKER COVER FASTENER
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 27, 1946, Serial No. 686,623
10 Claims. (Cl. 220—55)



4. A pressure cooker comprising a receptacle having an elliptical top opening, a cover engageable with the underside of the margin of said opening and insertable therethrough when tilted and rotated 90° out of alignment with the opening, means adapted to engage the receptacle and supporting the cover for rotation and vertical movement relative to the receptacle, a manually rotatable element carrying said cover and normally rotatable with said cover, said element being adapted by rotation in one direction to rotate said cover out of alignment with the opening and to engage said means in locking relation to hold the cover in a remote position from said means, and by rotation in the opposite direction to rotate said cover into alignment with said opening and to be disengaged from locking relation with said means, and a spring for moving said cover into engagement with the margin of said opening when said element is disengaged from locking relation with said means, said element being rotatable relative to said cover when the latter engages said margin and cooperating with said means to effect further upward movement of the cover.

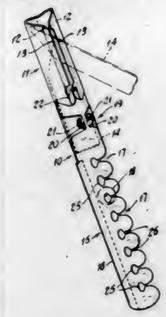
2,423,560
FOWL SUSPENSION APPARATUS
Lenus Jasper, Orland, Calif., assignor to Seth S. Barker, Ottumwa, Iowa
Application November 13, 1940, Serial No. 365,439
5 Claims. (Cl. 17—44.1)



1. Fowl suspension means comprising a hanging support, an angularly formed strip hingedly

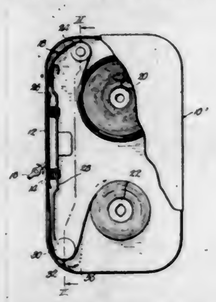
secured to said support and including an end portion having a notch extending into a side edge thereof, said notch being of a size to receive at least one leg of a fowl, and a second strip hingedly secured to said support below the first strip and slidably engaging said first strip at the junction of said end portion with the remainder of said first strip, said second strip having a length sufficient to extend across the notch in said end portion when the strips are in one position of their movement on their hinges.

2,423,561
TIE HOLDER
Max Kaden, New York, N. Y.
Application November 8, 1945, Serial No. 627,457
5 Claims. (Cl. 2—153)



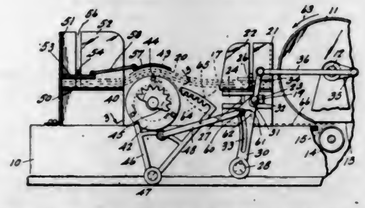
5. In a tie holder, a resilient, elongated and transparent member having a substantially triangularly-shaped channel formation at its upper end for accommodating the adjustable end of a tie, said formation simultaneously serving as support for the tie knot, and a strip-like extension depending from said formation and having along one edge a plurality of means for associating its lower end with a shirt button, below the collar button, thereby causing a bowing-out of the body of said member and bringing it under tension, said extension having a reinforced edge opposite said button receiving means.

2,423,562
FILM CARTRIDGE FOR MOVING PICTURE CAMERAS
George E. Lee, Kansas City, Mo.
Application June 22, 1944, Serial No. 541,554
6 Claims. (Cl. 88—17)



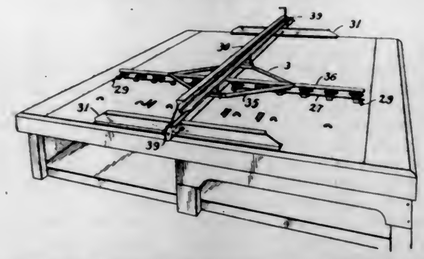
1. In a film cartridge for moving picture cameras wherein the film strip is advanced step-by-step past an exposure opening in the cartridge, said cartridge having a power driven spool for marginally perforated film; the combination of a guard member disposed to engage the film and hold the same against movement past the exposure opening by the power driven spool; a guide for directing the film toward the said guard; and a spur on the guard member for entering one of the perforations of the film strip when the power driven spool draws the film strip taut between the guard member and the said spool.

2,423,563
PAPER FEEDER
Maurice E. Morris, Oakland, Calif.
Application September 26, 1945, Serial No. 618,678
6 Claims. (Cl. 271—19)



1. Paper feeding means, in combination; means for releasing one end of the lowermost of a stack of sheets, and means for advancing the said lowermost sheet following release of said one end from under the superposed sheet of the stack of sheets, and means for operating said means for releasing and said means for advancing in synchronism; said means for releasing comprising a comb-like support for the stack of sheets, friction rolls operating between the teeth of said comb-like support and projecting thereabove for full cooperation with the underside of the lowermost sheet, means for moving said rolls in a plane parallel to said comb-like support and to the terminal end thereof and including means retaining said rolls against rotation when moved toward said terminal end and for freeing said rolls for rotation when moved in the other direction.

2,423,564
GANG SCRIBING MACHINE
Lyle L. Pierce, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application August 4, 1943, Serial No. 497,309
7 Claims. (Cl. 33—32)



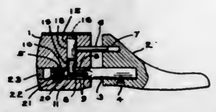
1. A gang scribing machine comprising a table, a guide rail disposed generally centrally of said table, and a carriage comprising a crossbar extending transversely of said guide rail, bracing means secured rigidly to said crossbar at locations spaced a substantial distance from opposite sides of said guide rail and extending a substantial distance beyond each side of said crossbar in

the vicinity of said guide rail, guide means carried by each portion of said brace means remote from said crossbar and engaging said guide rail at locations spaced lengthwise thereof for guiding movement of said crossbar over said table lengthwise of said guide rail, means independent of said guide rail supporting said crossbar above said table, and a plurality of styluses carried by and spaced along said crossbar for engagement with a sheet on said table during movement of said crossbar lengthwise of said guide rail.

2,423,565
POLYVINYL ACETAL RESIN COMPOSITIONS
Ernest A. Rodman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1942, Serial No. 459,527
3 Claims. (Cl. 260—42)

1. The process of rendering polyvinyl butyral resins insoluble which comprises mixing from 83.4 to 96.5 parts of a polyvinyl butyral having a free hydroxyl content of from 10% to 20% calculated as polyvinyl alcohol with from 3.5 to 16.6 parts of a butanol modified urea-formaldehyde resin containing from .5 to 1 mol of combined butanol and 2 mols of formaldehyde per mol of urea, and thereafter heating the composition at a temperature of from 82° C. to 116° C. for at least one hour until two contiguous films thereof are non-adhesive when a 2 x 4 inch strip thereof is doubled, coating to coating, and placed under a one pound weight for 30 minutes at 82° C.

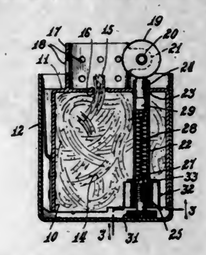
2,423,566
LAST
Abraham B. Rubin and George A. Faber, Millersburg, Pa., assignors, by mesne assignments, to Columbia Development Company, a partnership consisting of Anna G. Rubin and Rose T. Hallé
Application May 18, 1946, Serial No. 670,660
6 Claims. (Cl. 12—135)



1. A shoe last comprising fore and heel sections having aligned bores therein, a bolt fixedly secured in the bore in one section and slidable in the bore in the other, said bolt adjacent its sliding end, having a longitudinally extending slot therein, the bolt presenting a bearing surface within the slot toward the sliding end, a cam within said slot, said cam being mounted for rotating and slidable movement within said slot and bearing on said surface during a portion of its revolution, means to hold the axis of said cam from linear movement and to rotate the cam, to expand the sections apart.

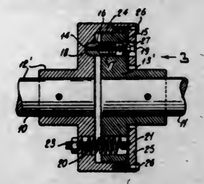
2,423,567
LIGHTER
Jacob S. Sherman, Chicago, Ill.
Application February 22, 1945, Serial No. 579,181
5 Claims. (Cl. 67—7.1)

3. In a lighter device, a feeder tube adapted to contain a piece of flint, and a magazine for replacement pieces of flint, said magazine comprising a piece of sheet material press-fitted around said tube and shaped to define with wall



portions of said tube a plurality of cells each to receive a piece of flint.

2,423,568
SHAFT COUPLING
Gerhard Slowig, Astoria, N. Y.
Application December 6, 1943, Serial No. 513,007
6 Claims. (Cl. 64—20)



1. In a shaft coupling, driving and driven members, substantially semi-spherical sockets in one member, recesses in the other member, power-transmitting elements with substantially semi-spherical ends operative in said recesses and lodged with their spherical ends in the spherical sockets, means for normally urging said elements into said sockets, and resilient means for connecting and tensionally urging said members toward one another.

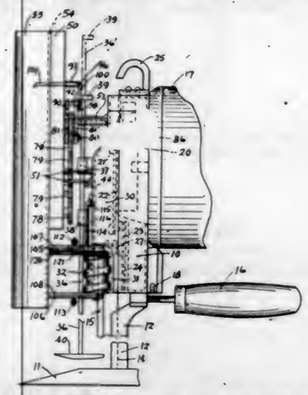
2,423,569
PROCESS FOR THE PRODUCTION OF ACYLATED HYDROXY-SUBSTITUTED CARBOXYLIC ACIDS
Herman Sokol, Hasbrouck Heights, N. J., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 12, 1945, Serial No. 582,408
9 Claims. (Cl. 260—479)

1. A process for the production of acetylsalicylic acid which comprises the reaction of acetylsalicylic-acetic anhydride with substantially anhydrous acetic acid in such amount that at least approximately 4 molecular proportions of acetic acid are present for each molecular proportion of the acetylsalicylic-acetic anhydride, whereby acetylsalicylic acid and acetic anhydride are formed, and subsequently recovering the resulting acetylsalicylic acid.

2,423,570
CLOTH-CUTTING MACHINE KNIFE SHARPENER
Moe Steiner, Brooklyn, N. Y.
Application February 19, 1946, Serial No. 648,743
7 Claims. (Cl. 51—249)

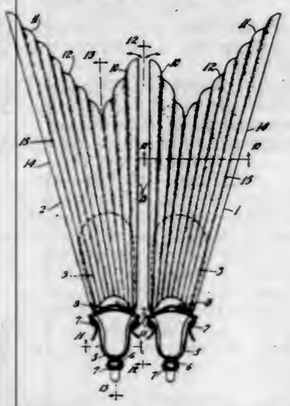
1. In a cloth-cutting machine of the reciprocating knife type having a cross-head for the knife

vertically slidably mounted in a housing, a narrow lug for supporting said knife projecting forwards centrally from said cross head, a hollow cover mounted on said housing and over said cross-head and having recessed bottom side portions for receiving grindstones for sharpening said knife, said recessed bottom side portions being positioned to the sides of said lug, a support mounted on the front of said hollow cover, a



vertical slide slidably mounted on said support, horizontal arms pivotally mounted on said slide, grindstones mounted on said arms and normally disposed in said recessed bottom side portions, and cam means including a cam mounted on the front of said cover for moving said arms towards each other when said slide moves down a sufficient distance for said grindstones to clear the bottom of said hollow cover for engaging said grindstones against said knife.

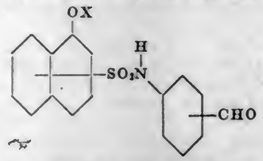
2,423,571
SWIMMING TAIL
Charles H. Wilen, Brooklyn, N. Y.
Application December 20, 1944, Serial No. 568,971
16 Claims. (Cl. 9—21)



2. A swimming tail of resilient material having, a receptacle portion to receive a swimmer's foot with means for fastening the foot in said receptacle, a tail part extending from the receptacle portion and terminating in a forked epibatic type end having a relatively thick inner border tapering laterally outwardly to a thin edge at the outer border.

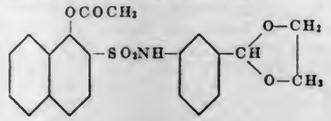
2,423,572
NAPHTHOLSULFONAMIDOBENZALDEHYDES AND ACETALS THEREOF
David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1946, Serial No. 667,111
4 Claims. (Cl. 260—338)

1. A compound taken from the group consisting of aldehydes of the general formula:

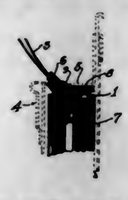


wherein X is a member taken from the group consisting of hydrogen and acylradicals, and acetals thereof with a hydroxy compound taken from the group consisting of alkanols of 1 to 4 carbon atoms and 1,2- and 1,3-alkanediols of 2 to 4 carbon atoms.

2. The compound of the formula



2,423,573
LIGHT-EXCLUDING SEAL FOR FILM PACKS
Thomas McGowan Aiken, Pittsburgh, Pa., assignor to Samuel Hornstein, Chicago, Ill.
Application February 9, 1945, Serial No. 577,079
7 Claims. (Cl. 95—67)



1. A device for sealing the slot in the top of a photographic film pack casing through which protrude tabs attached to films housed in the casing, comprising an elongated sealing member of T-shaped cross-section adapted to be positioned on top of the casing with one edge of the horizontal flange portion of the member in pressure contact with the face of the front tab and with the vertical stem portion of the member disposed in said slot; that part of the flange portion along said edge being flexible.

2,423,574
EXHAUST MANIFOLD FOR FOUR-CYCLE INTERNAL-COMBUSTION ENGINES
Charles G. Barrett, Alexandria, Va.; Vera M. Barrett, administratrix of said Charles G. Barrett, deceased, assignor to Edward C. Magdeburger, Washington, D. C.
Application May 19, 1945, Serial No. 594,734
3 Claims. (Cl. 60—29)

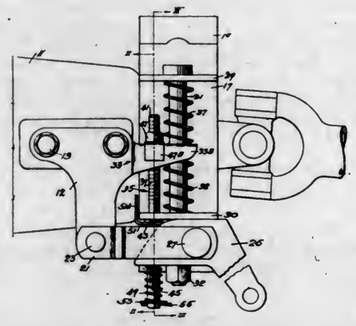
2. An exhaust manifold for a four-cycle internal combustion engine having six cylinders arranged in line and a firing order such that cylin-

ders in the respective longitudinal halves of the row of six cylinders exhaust alternately, said manifold comprising an elongated generally cylindrical shell having lateral exhaust connections leading thereto; and a partition extending from end to end of the manifold and substantially diametrically across the same to subdivide the mani-



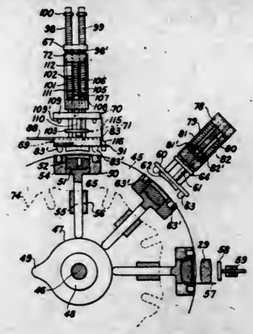
fold into two distinct longitudinal passages, said partition being straight except between the connections from the third and fourth cylinders, and being there helically displaced sufficiently to cause the first, second and third exhaust connections to enter one of said passages and the fourth, fifth and sixth to enter the other.

2,423,575
STABILIZER SCREW FOR BRAKE BANDS
Reginald R. Beezley, Memphis, Tenn.
Application May 29, 1946, Serial No. 673,065
8 Claims. (Cl. 188—77)



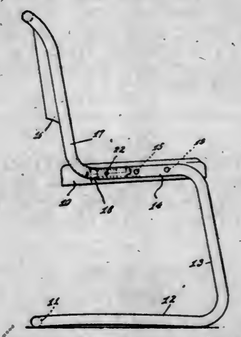
1. In a brake assembly which includes a brake band having spaced terminal ears, a bracket extension projecting between said ears and compression springs interposed between said bracket extension and said ears respectively, means for adjusting the spacing between a first said ear and said bracket extension whereby one of said springs is compressed and the other thereof permitted to expand, which comprisé a screw having a shank, a threaded end portion and an elongated head portion of angular cross section, said bracket extension and said first ear respectively having apertures to receive said screw, said screw being of length to extend between said bracket extension and said first ear and to project said threaded portion beyond said bracket extension and project said head portion oppositely beyond said first ear, a nut adapted to threadedly engage said threaded end portion and having an extension cooperating upon such engagement with said bracket extension to effect locking of said nut against turning, a washer having an aperture of angular shape corresponding to the cross sectional shape of said head portion and adapted to fit said head portion, said washer having a projection adapted to contact an edge of said first ear and lock said screw against turning and having an extension extending substantially the length of said head portion, and means removably securing said washer and extension on said head portion.

2,423,576
APPARATUS FOR MAKING SOAP CAKES HAVING DESIRED INSIGNIA
Leslie A. Block, Rochester, N. Y.; Wilton A. Block, administrator of said Leslie A. Block, deceased
Original application September 25, 1943, Serial No. 503,792. Divided and this application February 26, 1945, Serial No. 579,706
10 Claims. (Cl. 25—7)



1. In an apparatus for providing insignia in a soap cake, the combination with a mold assembly provided with a cavity for a soap cake and having a well provided with an aperture having the shape and size of the desired insignia, of a plunger member movable through a body of distinctive soap material, cooperating with and entering the apertured wall simultaneously to form a soap insert of a definite depth and to move the same through said apertured wall and into said soap cake, and an actuating means operatively connected to said plunger member and for moving the same into and through said aperture for soap insert formation and movement.

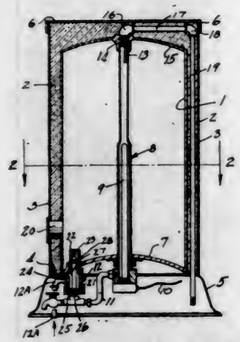
2,423,577
JOINT FOR METAL TUBES
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application October 23, 1944, Serial No. 559,911
12 Claims. (Cl. 287—119)



1. In combination, a metal tube having one end collapsed to form a single wall of double thickness, said wall of double thickness being curved transversely, a second tube of substantially the same diameter as the first tube, the outer surface of said collapsed portion substantially conforming in curvature to and engaging the inner sur-

face of the second tube for an angular extent of more than 180°, and means for securing the two tubes together with the collapsed portion of the first tube disposed within the second tube.

2,423,578
WATER-HEATING APPARATUS
Thomas A. Buckles, Portland, Oreg.
Application April 24, 1944, Serial No. 532,537
1 Claim. (Cl. 219—39)



A water heater comprising a boiler closed at both of its ends, a heating unit extending through both ends of the boiler and in open communication near its upper end with the interior of the boiler, an outlet pipe in communication with the uppermost end of the heating unit and extending downwardly and outwardly into communication with an outlet fixture, a cold water supply pipe in communication with the interior of the boiler at the lowermost end of the heating unit through a valve means extending through the bottom wall of the boiler into communication with the interior thereof, said valve means consisting of a vertically disposed hollow body member in communication through apertures at its upper end with the interior of the boiler and in communication near its lower end with a cold water supply pipe, a fixed hollow valve stem disposed within the valve housing and terminating at its lowermost end in a hollow valve fixedly seated in the bottom of the valve housing and in communication with a pipe for directing cold water to the interior of said heating unit, whereby upward movement of the heated water within the heating unit draws cold water from the cold water supply pipe through said hollow valve stem and into the heating unit.

2,423,579
CORRUGATED BELTING
Asa J. Buren, Cullom, Ill.
Application February 2, 1945, Serial No. 575,851
2 Claims. (Cl. 74—233)



1. A belt comprising an elongated belt element provided with a hollow corrugation thereon and a reinforcing element disposed in the said corrugation, said reinforcing element consisting of an elongated strip provided with cross members disposed to brace the side walls and outer portion of the corrugation.

2,423,580
METHOD OF STERILIZING CARBOHYDRATES AND APPARATUS THEREFOR
Edwin H. Carnarius, Wynnewood, Pa., assignor to Publicker Industries Inc., a corporation of Pennsylvania
Application October 13, 1943, Serial No. 506,050
6 Claims. (Cl. 195—103)

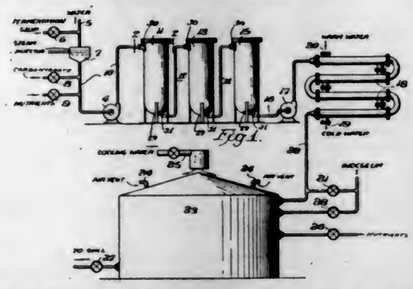
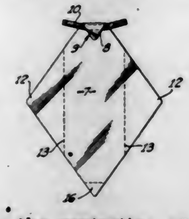


Fig. 1.

4. A process for sterilizing a carbohydrate mash which comprises heating the mash above 212° F. but below about 300° F. in a closed pressure heating system, passing the heated mash horizontally and tangentially into the top of a closed vertical cylindrical pressure detention system, moving said mash slowly along a continuous uninterrupted spiral path downward through said detention system, said spiral path having an axial dimension 4 to 5 times its maximum diameter, and withdrawing said mash from the bottom of said retaining system at the mean radius of said spiral path.

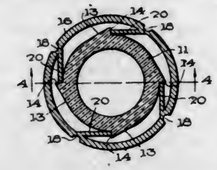
2,423,581
BIB
Frank Clark, Los Angeles, Calif.
Application November 4, 1946, Serial No. 707,665
7 Claims. (Cl. 2—49)



1. A bib for the protection of clothing comprising: a sheet of transparent water-repellant material, having outwardly angulated lateral margins folded so as to overlap and secured detachably to each other and co-acting with the medial portion of said sheet to form a sleeve, and having end portions folded and secured to said medial portion forming bights transverse to the axis of said sleeve, and a strip of pliable metallic material extending through one of said bights having end portions adapted to be pressed into holding engagement with a garment.

2,423,582
BOTTLE CAP
Philip G. Coleman, Chattanooga, Tenn., assignor of one-half to Robert Troxel, Cincinnati, Ohio
Application February 27, 1945, Serial No. 579,962
9 Claims. (Cl. 215—42)

1. The combination of a bottle having a neck, a closure for the bottle rotatable on the neck and including a plastic cap having a top and an integral skirt surrounding the neck, said skirt having a plurality of longitudinal weakening grooves therein parallel to the axis of rotation of the cap and extending from said top to the



bottom of said skirt, and means for exerting a bursting pressure on said skirt at points adjacent said weakening grooves, to rupture said grooves and burst the skirt of said cap to disintegrate said cap, upon rotating the cap, in one direction, with respect to said neck.

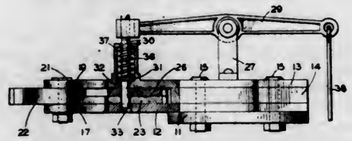
2,423,583
PROCESS OF FORMING HARD RESINOUS SURFACES ON ORGANIC PLASTICS, AND PRODUCT THEREOF
Dexter P. Cooper, Jr., Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application October 20, 1941, Serial No. 415,676
8 Claims. (Cl. 88—57)



1. A plastic lens comprising predominantly material from the class consisting of the transparent cellulosic plastics, the surfaces of said lens being coated with and the layers thereof immediately adjacent said surfaces having diffused therethrough a polymerized mixture of allyl methacrylate, methyl methacrylate and methacrylic acid.

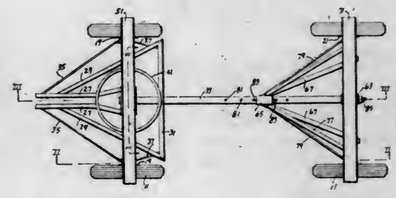
3. The process which comprises swelling cellulose acetate with a solution comprising allyl methacrylate monomer, methyl methacrylate monomer and methacrylic acid monomer, and heating said swelled cellulose acetate to polymerize so much of said solution as is absorbed therein.

2,423,584
AUTOMATIC BOOM LOCK
Floyd Currier, Oakland, Calif.
Application March 8, 1946, Serial No. 653,083
5 Claims. (Cl. 212—58)



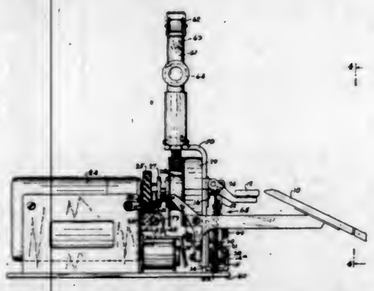
1. A boom locking device comprising a first horizontal support member formed with a pair of arms, a second horizontal support member formed with a pair of arms each vertically aligned with one of the arms of the first support member, a spacer block between the rearward portions of the first and second horizontal support members, a first horizontal jaw member pivotally secured between a first vertically opposed pair of arms, a second horizontal jaw member pivotally secured between the second vertically opposed pair of arms, the rearward portions of the jaw members overlapping and being received between the forward portions of the horizontal support members, a pair of vertically aligned apertures in the forward portions of said horizontal support members, apertures formed in the rearward portions of the jaw members adapted to register with the support member apertures when the jaw members are in boom locking position, a lever arm pivotally mounted for rotating in a vertical plane on one of the support members, a pin member connected to said lever arm and slidably received in the aligned apertures, and remotely actuated means for rotating said lever arm.

2,423,585
VEHICLE RUNNING GEAR
William E. Daugherty, Covington, Tenn.
Application August 26, 1944, Serial No. 551,306
6 Claims. (Cl. 280—109)



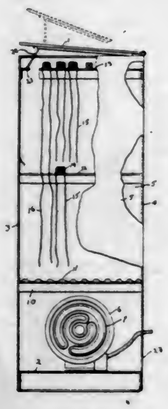
1. In a wheeled trailer including a front assembly, a rear assembly and a coupling pole; a said front assembly including a channel section axle member, a pair of channel section draft members overlying and secured to said axle member and extending forwardly therefrom, hounds of channel section secured to said draft members adjacent their forward ends diverging rearwardly from said draft members in overlying relation across and rearwardly of said axle, and secured thereto, transverse members of angle section respectively over and underlying the rear ends of said hound member, secured thereto and spanning therebetween to form a slot embracing said coupling pole, brace members secured to said draft members adjacent their forward ends and diverging into underlying relation with said axle member adjacent its ends, a plate-like strap secured at its opposite ends to said axle member and extending longitudinally thereof, said strap being spaced from said axle member intermediate its length to overlie said hounds and said draft members, and being secured to each thereof, a wear plate overlying said draft members and strap and secured to said strap, a fifth wheel ring, surrounding said wear plate, supported by and secured to said draft members, said strap and the upper of said transverse members, all of said members being integrally secured by welding; a bolster assembly comprising parts integrated by welding, including a bolster plate seated on said wear plate, a yoke member having a horizontal portion supported on and secured to said bolster plate and extending into overlying relation to said ring, and upwardly diverging arm portions, and a bolster supported by said arms and secured thereto; and a king pin, centrally disposed with regard to said axle and bolster assembly, coupling said axle and integrated parts, said bolster assembly, and said coupling pole; said axle member, said strap, and said wear plate, said coupling pole and said bolster yoke members being apertured to receive said pin.

2,423,586
CARRIAGE RETURN MECHANISM FOR TYPEWRITERS
Herman W. Decker, East Port Chester, Conn., assignor to Elinor W. Decker, East Port Chester, Conn.
Application August 7, 1944, Serial No. 548,516
33 Claims. (Cl. 197—66)



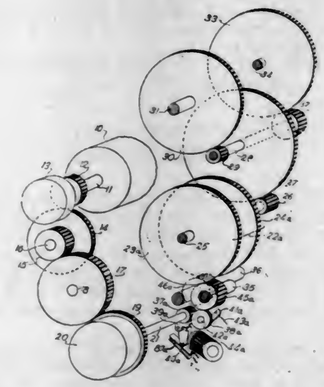
5. In a typewriter carriage return device, the combination of mechanism for shifting a typewriter carriage from a line ending to a line beginning position including a tape connected to the carriage and a reel on which the tape is wound, a motor and a one way clutch connection for driving the reel from the motor when the clutch connection is in its operative driving condition, a control for the circuit which includes the motor, said control including a fixed contact, a shiftable contact, a rotating contact plate driven from the reel for controlling the motor circuit in the part thereof between the two contacts, means for adjusting the relation between the contact plate and the shiftable contact and means controlled by the desired run of the typewriter carriage for setting the shiftable contact to its line beginning position.

2,423,587
DRIER AND HEATER
William E. Drewes, San Francisco, Calif.
Application December 22, 1945, Serial No. 636,724
5 Claims. (Cl. 34—233)



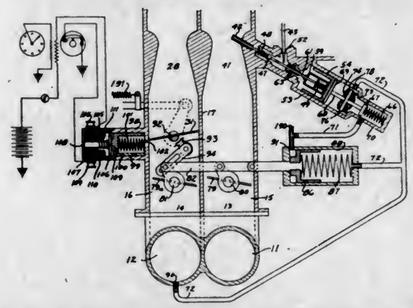
1. A device of the character described comprising a vertically elongated rectangular container having a front wall, a rear wall, opposed end walls, a bottom wall, and a top wall, means hingedly supporting said top wall from the upper edge of said rear wall for swinging upwardly from closed position covering the top of said container to a vertical fully open position, means including an element carried by said top wall for supporting the latter in inclined partially open position, a pair of horizontally spaced heating elements disposed in parallel vertical planes carried on the central portion of said bottom wall and facing oppositely outwardly toward said end walls whereby heat from said elements will be directed toward said end walls from said central portion, a grill in said bottom portion above said elements and adjacent thereto, openings formed in the bottom portion of said container for admitting atmospheric air into the space between said grill and said bottom wall, means above said grill and below said top wall for suspending clothing above said grill.

2,423,588
RADIO CONTROL APPARATUS
Harold F. Elliott, Belmont, Mass.
Application April 17, 1944, Serial No. 531,429
20 Claims. (Cl. 74—10)



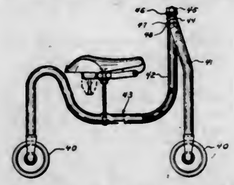
1. In electrical control apparatus having a rotary control shaft and a plurality of control units axially aligned on said control shaft, with each said control unit including an adjustable member on said control shaft, the combination of means for clamping said adjustable members in adjusted positions including a mounting member rotatably supported on said shaft, means retaining said mounting member against rotation, a locking member axially movable on said shaft adjacent said mounting member and having a toothed portion thereon, rotary means carried on said mounting member having a gear portion operatively connected with said toothed portion so that said gear portion is rotated by said locking member on rotation of said shaft, stop means operatively connected with each of said locking member and rotary means for locking the same in fixed relative positions, means for rotating said shaft including a rotary member having a hub portion axially movable on said shaft and operating on said control units to clamp and release said adjustable means, with the degree of rotation of said shaft intermediate the clamping and releasing positions of said rotary member being determined by the reversed rotation of said locking member into locked positions with said rotary means.

2,423,589
ENGINE CONTROL DEVICE
George R. Ericson, Kirkwood, Mo.
Application November 22, 1943, Serial No. 511,371
18 Claims. (Cl. 123—127)



1. In a control device for internal combustion engines of the type having main and auxiliary cylinder groups, means forming main and auxiliary mixing conduits for said groups, a throttle valve for said main mixture conduit, and a damper valve and a fuel valve for said auxiliary conduit, means for holding said damper valve in open position when said fuel valve cuts off the fuel supply to said auxiliary mixing conduit.

2,423,590
WHEELED VEHICLE FOR CHILDREN
William B. Fageol, Kent, Ohio
Application October 1, 1945, Serial No. 619,613
9 Claims. (Cl. 280—87.01)

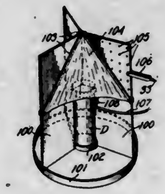


7. A frame for a wheeled toy or vehicle comprising a longitudinal tubular vertical frame member having a downwardly extending post at the rear, an upwardly extending forward portion, and an intermediate bar forming a seat support; a transverse tubular frame member substantially in the form of an inverted U connected at its mid-point to an upper and forward portion of said longitudinal frame to form a handle bar with downwardly depending legs at the ends thereof, said legs being widely spaced to avoid interference with the legs of the user, said post and the bottoms of said legs being adapted to have wheels attached thereto.

8. The device described in claim 7, wherein said transverse frame is pivotally attached to said longitudinal frame.

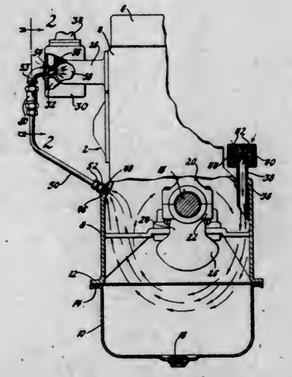
2,423,591
APPARATUS FOR MAKING GEOPHYSICAL SURVEYS UNDER WATER
John W. Flude, Houston, Tex.
Original application September 16, 1939, Serial No. 295,198, now Patent No. 2,283,200, dated May 19, 1942. Divided and this application March 7, 1942, Serial No. 433,731
5 Claims. (Cl. 177—352)

1. An apparatus for towing an instrument through the water, comprising a pair of concentric rings, radial fins connected thereto, an instrument casing disposed within the inner ring and contacting the inner edges of said fins, a plurality of flexible members loosely connecting



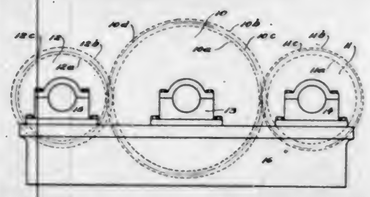
said fins and secured to each along a line diagonally thereof, and a plurality of apertures in one of said fins within the triangle formed by said diagonal lines.

2,423,592
AIR FLOW CONTROL FOR CRANKCASE VENTILATION
William J. Foster, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 10, 1942, Serial No. 465,181
30 Claims. (Cl. 123—119)



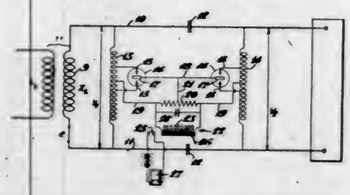
1. In a flow control for the ventilation system of the crankcase of an internal combustion engine as applied to the engine manifold, said flow control comprising two movable valves in the path of flow of the air and springs mounted in the flow control, one spring for each valve urging its respective valve to open position, one of said springs being stronger than the other, the weaker spring being insufficiently strong to overcome a manifold suction of approximately three inches of mercury and being compressed by the movement of the valve to closed position by the air flow when the manifold suction is approximately three inches or more to decrease the size of the passage in the conduit, said stronger spring being insufficiently strong to overcome a manifold suction of approximately twelve inches of mercury and being compressed by the movement of the second valve to closed position by the air flow when the suction in the manifold reaches approximately twelve inches or more, and the closing of said second valve further decreasing the size of the air passage in the conduit.

2,423,593
METHOD OF LAPPING GEARS
Emil R. Gasser, Buffalo, N. Y., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y., a corporation of Connecticut
Application December 3, 1945, Serial No. 632,352
1 Claim. (Cl. 51—287)



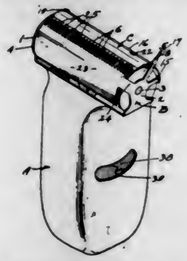
The method of lapping a gear to improve its tooth surface contour, said method comprising operating a subject gear to be lapped in mesh completely across the width of its teeth simultaneously with two lapping pinions with a lapping compound between the meshed toothed surfaces, providing an operating pressure angle between the teeth of one lapping pinion with the teeth of the subject gear which is greater than the intended normal operating pressure angle of said subject gear, and an operating pressure angle between the teeth of the other lapping pinion with the teeth of the subject gear which is lesser than the normal intended operating pressure angle of the subject gear, and so choosing said greater and lesser operating pressure angles that they differ from the normal intended operating pressure angle of the subject gear, by approximately the same degree.

2,423,594
RESONANCE INDICATING AND CONTROLLING DEVICE
Carl K. Gieringer, Cincinnati, Ohio, assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio
Application July 23, 1942, Serial No. 452,073
6 Claims. (Cl. 250—27)



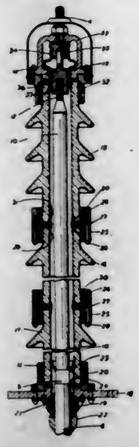
5. In a high frequency circuit of the type described, a primary circuit having an electron tube, a secondary circuit coupled with the primary circuit so as to derive voltage therefrom, the secondary circuit having a given inductive reactance, and also having capacitive reactance connected in series with the inductive reactance and said derived voltage, with the capacitive reactance equal to twice the inductive reactance, neglecting distributed parameters, whereby, at resonance, the scalar voltage across the inductive reactance and derived voltage is equal to the scalar voltage across the inductive and capacitive reactances and derived voltage substantially regardless of the load upon the apparatus, a control circuit upon which said scalar voltages are impressed, in common, in such manner that their electrical effects tend to buck one another therein, whereby the control circuit responds to the difference between said scalar voltages, and a control device comprising a signal unit which when actuated denotes inequality between said scalar voltages, and thus denotes a detuned condition in the apparatus, the said control device being actuated through said control circuit.

2,423,595
DRY SHAVER
Edgar C. Hall, Los Angeles, Calif.
Application August 29, 1944, Serial No. 551,646
15 Claims. (Cl. 30—43)



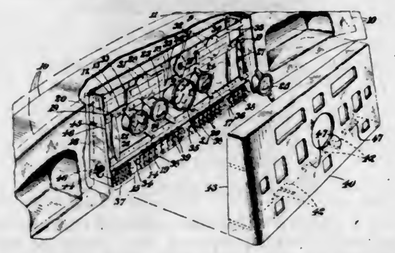
1. A dry shaver comprising: a cutter head formed of a plurality of continuously rotatable coaxial cutters, a relatively stationary cutter blade cooperating therewith, and means for simultaneously and continuously rotating said rotatable cutters relative to said stationary blade, said means including a motor driven rotatable member having frictional engagement with said rotatable cutters.

2,423,596
TERMINATION FOR HIGH-TENSION ELECTRIC CABLES
Douglas Taft Hollingsworth, London, England, assignor to British Insulated Callender's Cables Limited, London, England, a British company
Application October 10, 1945, Serial No. 621,613
In Great Britain November 9, 1944
7 Claims. (Cl. 174—143)



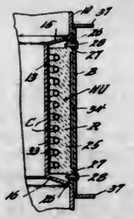
2. A tubular insulator adapted to serve as part of a termination for a high tension electric cable, said insulator having a voltage-dropping layer on the inside surface thereof longitudinally continuous from end to end thereof and a voltage-dropping layer on the outside surface thereof longitudinally continuous from end to end thereof, said outer layer being substantially more conductive than said inner layer.

2,423,597
INSTRUMENT PANEL FOR MOTOR CARS AND OTHER VEHICLES
Francis James Hurn, Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited, a British company
Application April 17, 1943, Serial No. 483,530
In Great Britain February 9, 1942
6 Claims. (Cl. 180—90)



6. An instrument panel for a motor vehicle comprising an instrument support having a surface facing outwardly from the panel, a plurality of selectable and optionally usable instrument positions on said surface, a plurality of instruments selectably applicable in number and location to said positions on the support, an interchangeable mask detachably applicable to said support, said mask having openings therein corresponding in number and location to the number of positions of the instruments in the selected lay-out, said mask selected from an assortment of masks having different selections of openings therein contemplating variable arrangements and selections of the instruments on the support, an electrical terminal board applied to said surface of the support, a plurality of electrical terminals on the front of said board, and means for electrically connecting said terminals and said instruments, all whereby the terminals are readily accessible from the front of the instrument panel once the mask has been removed.

2,423,598
ELECTRIC WATER HEATER
Lee P. Hynes, Haddonfield, N. J.
Application August 11, 1944, Serial No. 549,034
11 Claims. (Cl. 219—39)



1. An electrical heater of the character described having in combination a storage tank closed by top and bottom end heads, means for supplying water to and removing the same from said tank, the side wall of the tank having pressed thereinto an annular depression integral with said side wall extending radially into the space normally occupied by the said water, inwardly inclined wall portions connecting said depression with the walls of said tank, an electric heater unit located within said depression adjacent the innermost wall of the latter, the radial depth of said depression being such that the heat emanating from said heat unit is directly applied to the water at a location submerged therein, and covering means for the open side of said depression for enclosing said heating unit.

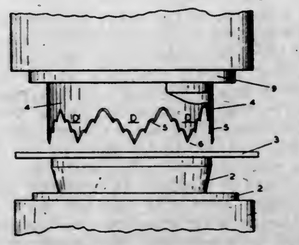
2,423,599
PROCESS FOR PREPARING ALPHA-METHALLYL ALCOHOL
Jonas Kamlet, New York, N. Y., assignor to Publicker Industries Inc., a corporation of Pennsylvania
Application November 14, 1944, Serial No. 563,436
12 Claims. (Cl. 260—640)

1. A process for the production of alpha-methallyl alcohol which comprises reacting butadiene with a member of the group consisting of hydrogen chloride and hydrogen bromide thereby to form an equilibrium mixture of 1-halobutene-2 and 2-halobutene-3, hydrolyzing said halobutene mixture to form an equilibrium mixture of alpha-methallyl alcohol and crotyl alcohol, fractionating said alcohol mixture to recover alpha-methallyl alcohol therefrom, reacting the crotyl alcohol with a member of the group consisting of hydrogen chloride and hydrogen bromide to form an equilibrium mixture of 1-halobutene-2 and 2-halobutene-3, and returning the last-mentioned halobutene mixture to the process for conversion to said alcohol mixture.

2,423,600
ICE CREAM MANUFACTURING PROCESS AND PRODUCT THEREOF
Manfred Landers, New York, N. Y., assignor to Lanco Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 14, 1944, Serial No. 568,208
10 Claims. (Cl. 99—136)

1. A composition for improving the texture of ice cream comprising a water-soluble salt of carboxymethylcellulose and a mixed glycerol diester of a higher fatty acid and an aromatic carboxylic acid.

2,423,601
SHEAR FOR FRANGIBLE MATERIALS
William L. MacArthur, Seattle, Wash.
Application October 13, 1945, Serial No. 622,157
7 Claims. (Cl. 164—29)



1. In a cutter for frangible materials to do cutting by being pressed thereagainst, a dentate cutter blade having a plurality of relatively large pointed teeth spaced along its cutting edge, the edges of said teeth being generally angular and

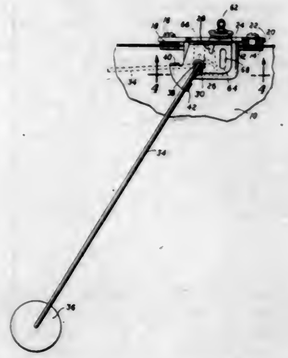
sloping away from the points, said sloping edges incised with sharp pointed incisor teeth spaced apart and with the axes of said incisors generally parallel to the axes of the main teeth of which they form a part.

2,423,602
MANIFOLD FOR INTERNAL-COMBUSTION ENGINES
Edward C. Magdeburger, Washington, D. C.
Application October 13, 1942, Serial No. 461,878
13 Claims. (Cl. 60—13)



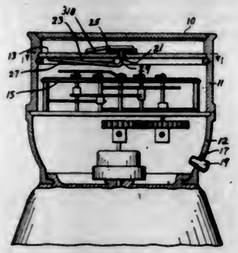
13. The combination of a multiple cylinder internal combustion engine having cylinders in line; and an exhaust manifold subdivided into distinct exhaust passages which have successive straight and helicoid portions, at least two cylinders being connected to a single passage, the cylinders so connected being chosen so that their exhaust periods do not substantially overlap; and connections from the cylinders to the manifold passages, said connections being similar in form and in location on the cylinders.

2,423,603
FLOAT OPERATED RHEOSTAT
William McCandless, Toledo, Ohio
Application November 10, 1944, Serial No. 562,887
5 Claims. (Cl. 201—48)



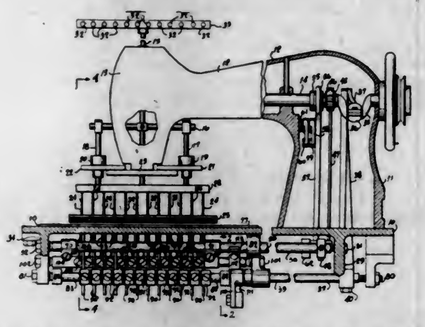
1. In a device of the class described, a mounting plate having a central depression and a depending peripheral flange to form a gasket seat, a depending bracket attached in normal relation to the lower side of the plate on depressed portion, a conical insulating support having wound thereon a resistance coil, an oblique upwardly projecting boss formed in the floor of the depression, terminal means cooperating with the conical support to hold the support against the oblique boss and to make electrical contact with an end of the resistance wire whereby the terminal means is enabled to place the resistance in an extraneous electric circuit, said oblique boss aligning one side of the conical support of the resistance wire in parallel juxtaposition with the bracket, bearing means in the bracket, an arm having a portion journaled in the bearing means, and a grounded contact means attached to the journaled portion to sweep in an arc over the resistance wire on the conical support on the side in parallel relation with the bracket.

2,423,604
WIPER AND VALVE FOR REGISTER BOX WINDOWS
Claude M. McCord, Memphis, Tenn.
Application June 12, 1944, Serial No. 539,974
8 Claims. (Cl. 15—250)



5. In a window wiper and valve; a window having a hole therethrough, a disc pressure relief valve against one surface of said window over and around said hole, a wiper bar against the opposite surface of said window, means resiliently urging said valve and said bar against said window, said means being secured to said bar, extending loosely through said hole and in sealed relation through said valve, and laterally from said valve into overlying relation with said bar and forming a handle for actuating said bar.

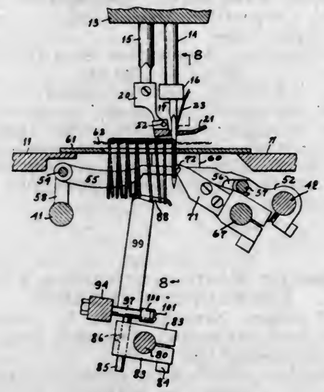
2,423,605
TUFTING MACHINE
Joseph K. McCutchen, Ellijay, Ga.
Application November 24, 1944, Serial No. 564,937
3 Claims. (Cl. 112—79)



1. In a sewing machine having a plurality of vertically reciprocating needles adapted to penetrate a base fabric and each needle being adapted to carry a strand through the fabric, an oscillating looper shaft disposed below the fabric, said looper shaft having a crank portion thereon disposed rearwardly of the axis of the looper shaft, thus being in offset relation to the longitudinal axis of the looper shaft, a plurality of members mounted on the crank portion and projecting forwardly to a point approximately in alinement with the axis of the looper shaft, the forward portion of each of the members having a groove for receiving the lower end of a looper bill member, a cap member removably secured on the member

for clamping the lower end of the looper bill whereby the cap can be removed and the looper bill can be removed horizontally and forwardly from the machine, each looper bill member having a looper bill thereon adapted to pass between the needle and the strand carried thereby when the needle is in lowered position for forming a loop from the strand carried by its associated needle, a cutter shaft mounted for oscillation below the fabric and rearwardly of the looper members, the cutter shaft having a plurality of resilient cutter members mounted thereon, and normally flexed to have rubbing engagement with the looper bills for cutting some but not all of the loops on the looper bills as the looper members oscillate rearwardly of the machine, each of the looper members having a needle guide portion extending upwardly and forwardly and being beveled at its upper end for guiding its associated needle in its downward movement to insure that the looper bill will pass on the proper side of the needle.

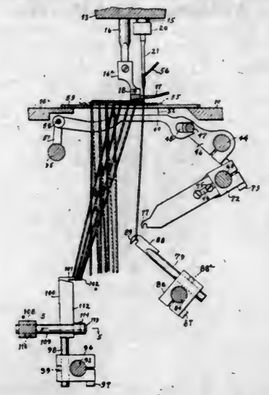
2,423,606
TUFTING MACHINE
Joseph K. McCutchen, Ellijay, Ga.
Application November 24, 1944, Serial No. 564,938
6 Claims. (Cl. 112—79)



1. In a sewing machine having a vertically reciprocating needle for carrying a strand through a base fabric, an oscillating looper adapted to pass between the needle and the strand carried thereby for forming a loop on the lower surface of the fabric as the needle moves upwardly through the fabric, an oscillating looper bill pointing in the opposite direction from the looper and adapted to pass into the loop while it is held on the looper while the looper is in lowered position and to hold the same while the looper moves upwardly and out of the loop, and cutting means associated with the looper bill for cutting some but not all of the loops held on the looper bill upon each complete oscillation of the looper bill.

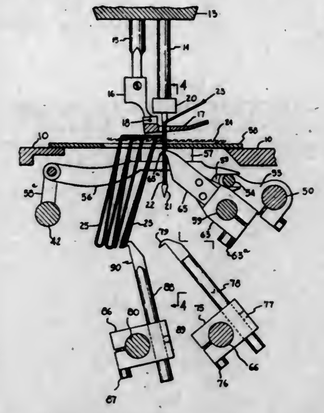
2,423,607
MACHINE FOR MAKING ELONGATED TUFTS
Joseph K. McCutchen, Ellijay, Ga.
Application November 24, 1944, Serial No. 564,939
4 Claims. (Cl. 112—79)

4. In a sewing machine having a vertically reciprocating needle for carrying a strand through a fabric, means for passing between the strand and the needle for forming a loop and for moving the loop downwardly to elongated position while the needle moves upwardly, a second means for passing into the loop while it is held in lowered position by the first means and moving the loop further downwardly to further elongate the



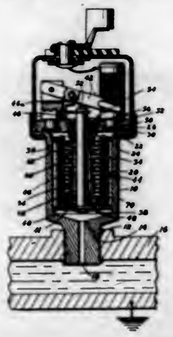
same, and third means for entering the loop while it is held by the second means for transferring the loop from second means to the third means.

2,423,608
LOOPING MACHINE
Joseph K. McCutchen, Ellijay, Ga.
Application November 24, 1944, Serial No. 564,940
4 Claims. (Cl. 112—79)



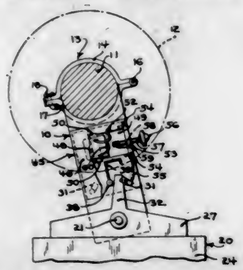
3. In a sewing machine having a vertically reciprocating needle for piercing a fabric to carry a strand through the fabric, a swingable arm having a hook on its end adapted to be passed between the needle and the strand carried thereby and to form a loop as the needle moves upwardly and to move further downwardly to elongate the loop, a second swingable arm adapted to pass into the loop while it is held on the first swingable member and to further elongate the loop while moving its lowermost portion downwardly while the first swingable arm moves upwardly out of the loop, a third swingable arm adapted to enter the loop while it is held on the second swingable member and to hold the loop while the second swingable member moves out of the loop.

2,423,609
BELLOWS OPERATED RHEOSTAT
Leslie H. Middleton, Toledo, and Edward A. Kern, Weston, Ohio
Application November 10, 1944, Serial No. 562,898
3 Claims. (Cl. 201—48)



1. In a device of the class described, a pressure responsive bellows, a pressure chamber cooperating with the bellows having a relation to the physical effect to be measured, a variable rheostatic device including a movable arm, a central rod movable by the bellows to actuate the movable arm of the rheostatic device, a sliding sleeve on the central rod to provide a movable abutment, a pair of loading springs cooperating with the abutment and active between the bellows and a fixed portion attached to one end of the bellows, variable stop means embracing the rod and adapted to cooperate with the ends of the sleeve to provide a sequential operation for the loading springs and to limit the maximum deflection of the bellows.

2,423,610
ELECTRIC BURGLAR ALARM
Albert F. Miller, New York, N. Y.
Application June 23, 1945, Serial No. 601,099
5 Claims. (Cl. 177—314)



1. An electric burglar alarm, comprising a top support member, a bottom member for supporting an electrically operated buzzer pivotally connected with and freely depending from said top support member, a main contact on said bottom member and cooperative with a pair of straddling connected contacts on the other of said members for closing a circuit when said bottom member swings right or left, an electrically operated control circuit for said buzzer including said contacts and mounted on said bottom member and controlled with said contacts, a stud slidably mounted in a bayonet slot in said top member for resting on said main contact and falling down alongside of said main contact when bottom member pivots for latching said main contact right or left against one of said pair of contacts, said bayonet slot having a second arm for holding said stud inoperative, a cover enclosing said stud, and electro-magnetic means for moving said stud in said bayonet slot.

2,423,611
COPPER HYDROXY SOAPS
Arthur Minich, Westfield, N. J., assignor to Modex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application November 10, 1943, Serial No. 509,811
1 Claim. (Cl. 167—22)

As a new chemical, fungicidal, anti-fouling, insecticidal compound: a dry granular hydroxy copper soap of a plurality of acids one of which is naphthenic acid and the remainder of which is selected from the soap-forming acid group consisting of oleic acid, 2-ethylhexoic acid, hydrogenated rosin, cocoanut fatty acid and stearic acid.

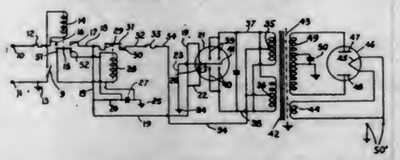
2,423,612
ISOMERIZATION OF OLEFINS
Maurice J. Mulligan, Detroit, and Paul L. Cramer, Highland Park, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application June 21, 1945, Serial No. 600,848
8 Claims. (Cl. 260—683.2)

1. The process of isomerizing an olefin which includes treating the olefin under isomerizing conditions with aluminum sulfate supported on diatomaceous silica of slightly acid reaction and thereby converting the treated olefin to an isomeric olefin.

2,423,613
METHOD OF MANUFACTURING ICE CREAM AND PRODUCT THEREOF
Bernard Nelson, New York, N. Y., assignor to Lanco Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 14, 1944, Serial No. 568,209
17 Claims. (Cl. 99—136)

1. The method of making an improved ice cream which comprises incorporating a mixed glycerol diester of a higher fatty acid and an aromatic carboxylic acid in the unfrozen ice cream mix and thereafter subjecting the mix to freezing conditions.

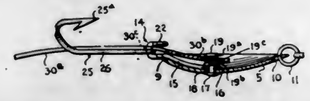
2,423,614
VIBRATOR POWER SUPPLY
Jerome J. O'Callaghan, Skokie, and Robert W. Saville, Wilmette, Ill., assignors to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application October 3, 1942, Serial No. 460,624
3 Claims. (Cl. 175—365)



1. In a vibrator power supply, a vibrator including an actuating means and main contacts,

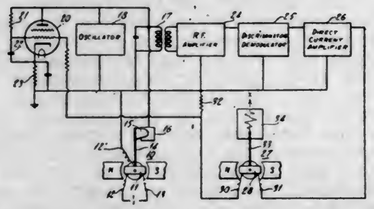
a main control relay, a pair of contacts closed by said main relay when excited, said contacts acting to determine the voltage supply to the actuating means of the vibrator, a time delay circuit in parallel with said actuating means and comprising a resistance and capacity in series, an ancillary relay connected in shunt to said capacity so as to be responsive to voltage developed across the capacity, a pair of contacts closed by said ancillary relay when excited and acting to determine the supply of voltage to the main contacts of the vibrator, a pair of contacts connected directly across said capacity and closed by said main relay when the relay is not excited, so as rapidly to discharge said capacity and to accelerate de-excitation of said ancillary relay upon the de-excitation of said main relay.

2,423,615
FISHING LURE
Lawrence H. Pecher, Akron, Ohio
Application October 12, 1944, Serial No. 558,383
8 Claims. (Cl. 43—42)



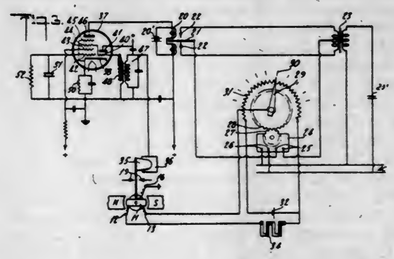
1. In a fishing lure of the character described, a concavo-convex body; an attaching member secured to the concave face of said body at a point intermediate the length thereof, said attaching member extending rearwardly along the face of said body to adjacent the rear edge thereof and extending upwardly and forwardly to form a vertical portion and terminating in a forwardly projecting horizontal loop having a gap therein; and a fishing hook and auxiliary lure mounted on said member in a swinging position on the vertical portion thereof and means to attach a line to the forward portion of said body.

2,423,616
SELF-BALANCING TRANSLATION SYSTEM
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application February 1, 1944, Serial No. 520,636
5 Claims. (Cl. 177—351)



5. An electrical system comprising an electrical instrument having a movable member, an oscillation generator comprising a resonant tank circuit having a resonant frequency determinative of the oscillation frequency, an electronic reactance tube operatively connected to said tank circuit to control the oscillation frequency, an output device having a movable member adjustable by and in proportion to an electric control current, a phase-shift type frequency discriminator connected to said generator comprising resonant impedance means and adapted to produce a control current varying in sense and magnitude in respect to a normal frequency balance in proportion to the relative frequency departure between the oscillation frequency and the resonating frequency of said impedance means, means for controlling said output device in accordance with said control current, a reactance element forming an effective tuning element of said impedance means and adjustable in response to a deflection of said instrument, means to derive a control potential from said output current for controlling said reactance tube, the frequency changes effected by said reactance tube and said reactance element in response to an initial deflection of said instrument counteracting each other, to thereby restore said frequency balance and to maintain said output device in a continuously and substantially instantaneously balanced follow-up relation with said instrument.

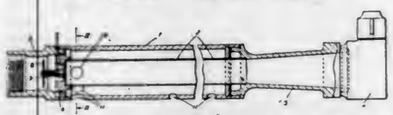
2,423,617
CONTINUOUS BALANCE MOTOR CONTROL SYSTEM
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application February 19, 1944, Serial No. 523,027
8 Claims. (Cl. 172—239)



5. An electrical system comprising a primary element supplying a relatively weak variable direct current input voltage; a secondary element having a movable member; an electric motor driving said secondary element; a frequency converter-amplifier comprising an electronic tube having at least a cathode, an anode, a pair of control grids and a screen grid interposed between said control grids, a resonant impedance means connected between said cathode and one of said control grids, a source of auxiliary high frequency voltage having a frequency normally equal to the resonant frequency of said impedance means and connected between the other of said control grids and said cathode, for producing a direct anode current having an amplitude varying in sense and magnitude in proportion to the relative frequency departure between said source and the resonant frequency of said impedance means; means for controlling said motor in response to said anode current to cause rotation thereof in either direction in dependence upon the sense of variation of said anode current; a current responsive device connected to said primary element having means operatively associated therewith for effecting a relative frequency departure between said source and the resonant frequency of said impedance means; a source of constant direct current potential; and an adjustable resistance controlled by said motor; said resistance being connected to said source and in series with said primary element to produce a balancing voltage in opposition to said input voltage, whereby to automatically restore the fre-

quency balance between said source and said resonant impedance means and to maintain a condition of electrical equilibrium between said input voltage and said balancing voltage.

2,423,618
FIRE-FOAM PRODUCING APPARATUS
Arthur Ferdinand Ratzer, Brentford, England, assignor to The Pyrene Company Limited, Brentford, England, a British company
Application August 19, 1944, Serial No. 550,207
In Great Britain September 2, 1943
5 Claims. (Cl. 261—116)



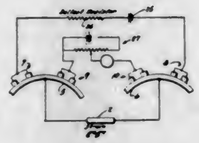
1. An apparatus for use in producing air-foam comprising a pipe for connection to a source of liquid under pressure, an orifice plate shaped to provide a plurality of substantially parallel jets, the axes of the jet orifices being symmetrically arranged with respect to a line and being so arranged as not to intersect on the discharge side of said plate, a substantially parallel-sided non-converging tube of cross-sectional area from five to fifteen times the total cross-sectional area of the jet orifices arranged to receive the jets without previous contact of the liquid thereof with the air, said tube being disposed with its axis along said line and being so formed and arranged as to allow air to enter and be entrained by the jets, the length of the tube being from 4 to 12 times the diameter of the tube, and means in advance of said orifice plate for causing the liquid to flow radially inwardly toward the jet orifices and thereby imparting enough turbulence to the liquid to cause the jets to scatter at the fringes and to occupy the whole cross-section of the tube over part of its length.

2,423,619
METHOD OF PREPARING COPPER FUNGICIDE SOLUTIONS
Leo Roon, South Orange, N. J., assignor to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York
No Drawing. Application November 10, 1943, Serial No. 509,809
12 Claims. (Cl. 167—22)

2. The herein described method of making water-insoluble copper soap which comprises: reacting water-insoluble copper raw material selected from a group consisting of copper metal, copper hydroxide, and copper carbonate, together with at least one substantially water-insoluble monobasic organic acid in the presence of aqueous ammonia, the copper raw material and the acid being present in stoichiometric quantities to produce an aqueous ammoniacal solution of a substantially water-insoluble copper soap.

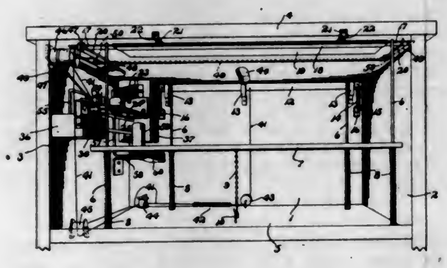
2,423,620
CONDITION RESPONSIVE APPARATUS FOR ROTATABLE MEMBERS
Arthur C. Ruge, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application October 29, 1943, Serial No. 508,216
11 Claims. (Cl. 73—136)

1. Apparatus responsive to a change of condition to be transmitted from a rotatable member comprising, in combination, electrical impedance means mounted on said member to rotate therewith and adapted to undergo a change of impedance in response to a change of said condition, a pair of slip rings mounted on said rotatable member and connected to said electrical impedance means, a power circuit having main



brushes engaging said slip rings for supplying current to said electrical impedance means, auxiliary brushes engaging said slip rings, and a second circuit connected to said auxiliary brushes and being responsive to changes of impedance of the electrical impedance means substantially independently of the resistance between said main brushes and said slip rings.

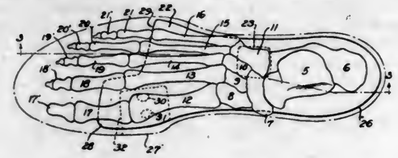
2,423,621
NEWSPAPER DISPENSER
John Sabaitis, Grand Rapids, Mich.
Application July 16, 1945, Serial No. 605,358
1 Claim. (Cl. 312—56)



A newspaper dispenser comprising a case having a horizontal top and a front having an elongated opening therethrough adjacent the top, a shelf within said case adapted to support a stack of newspapers, means for elevating the shelf to engage the upper newspapers of the stack with the under side of said top, an ejector slidably mounted under said top and engageable with the rear edge of the upper newspaper, a self closing slidable closure for said elongated opening, a coin controlled pull rod slidably mounted adjacent a side of the case and extending through the front and cables connected to said pull rod and extending over pulleys and connected to said closure and ejector in a manner to open said closure and partially eject a newspaper through said elongated opening upon outward movement of said pull rod.

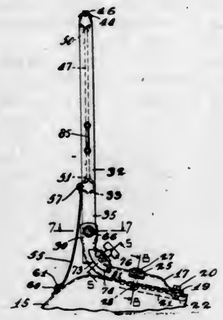
2,423,622
SESAMOID-CUBOID FOOT BALANCER
Herman L. Samblanet, Canton, Ohio
Application October 2, 1945, Serial No. 619,780
3 Claims. (Cl. 36—71)

1. A shoe insole for maintaining a foot in proper posture and balance, having a flat elevated portion located directly under and bearing primarily on the sesamoid bones of the first metatarsal, and a separate elevated portion lo-



cated under only the cuboid bone of said foot, said insole being otherwise substantially flat.

2,423,623
WINDSHIELD AND MOUNTING
Norman A. Schassberger, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application January 24, 1944, Serial No. 519,561
2 Claims. (Cl. 296—92)

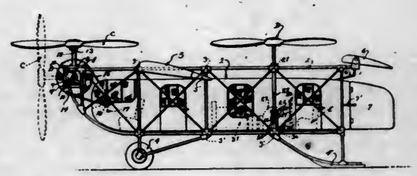


1. In a motor vehicle a body having a cowl; a windshield supporting means including a tubular bracket arranged at each side of said cowl; a reinforcing tube positioned within each of said tubular brackets, the extremities of said tubular brackets and reinforcing means being flattened; means passing through one of the flattened portions of each of said brackets for securing said brackets to said cowl; additional securing means connecting said brackets to said cowl and spaced from said first mentioned securing means; a windshield frame; means pivotally connecting said windshield frame to the upwardly extending flattened portions of said brackets; cooperating abutments associated with one of said brackets and said windshield frame for determining the operative position of said windshield frame; means associated with said abutments for securing said windshield frame in operative position, said securing means being removable; and a chain connected to said securing means in juxtaposed relation to said abutment means.

2,423,624
INDIUM PLATING
Clarence F. Smart, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application January 18, 1941, Serial No. 375,021
5 Claims. (Cl. 204—45)

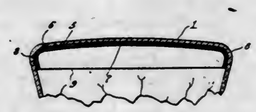
1. A process of preparing an electrolyte for the electrodeposition of indium which comprises, dissolving tartaric acid in water to make a concentrated solution, dissolving a compound of indium in said solution, and adding water and ammonium hydroxide to the indium containing solution to make an ammoniacal solution of the desired concentration.

2,423,625
COMBINED AEROPLANE AND HELICOPTER
Andrew Smith, Milwaukee, Wis.
Application January 19, 1945, Serial No. 573,489
1 Claim. (Cl. 244—7)



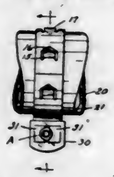
An aeroplane of the helicopter type comprising a skeleton frame having upper and lower sections connected by brace bars, a fuselage nested within the skeleton frame, the forward nose portion of said frame being extended beyond the fuselage, bearing blocks mounted in the nose portion of said frame, brace clips having trunnions mounted in the bearing blocks, transversely disposed tubes connecting the brace clips, the same forming a rigid oscillatory bridge, a pair of rotary engines mounted in the bridge having propellers extending therefrom, a pulley wheel rigidly secured to the center portion of the bridge, and a gear connection between the pulley wheel and fuselage for rocking said bridge from a horizontal position to a vertical position.

2,423,626
METHOD OF MANUFACTURING SCREENS IN CATHODE-RAY TUBES
Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application May 20, 1944, Serial No. 536,628
1 Claim. (Cl. 117—33.5)



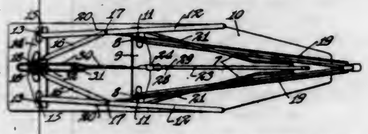
In a method of manufacturing screens in cathode ray tubes, having a screen section which is relatively flat, the periphery of which flat portion is more sharply and annularly curved, the steps which include applying a weak solution of phosphoric acid binder on both the relatively flat and sharply curved portions of the screen section to form a tacky film of uniform thickness, said section including a circular relatively flat portion and an adjacent annular relatively curved portion, removing excess of said solution, dusting a first fluorescent powder, filling into the tube a settling solution to form a liquid column covering said section, said settling solution comprising a second fluorescent powder, allowing said second powder to settle on said section, and sucking out excess settling solution.

2,423,627
ELECTRICAL CONDUIT CLAMP
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 15, 1944. Serial No. 526,509
1 Claim. (Cl. 173—273)



A conduit clamp adapted to be applied to a conduit having a painted coating to provide an electrical contact with the conduit through said coating, said clamp comprising a loop of resilient sheet metal, an integral tongue on said loop formed by a cutout area comprising a pair of spaced side slits and end slits merging with each other to define a point at the free end of said tongue and providing a clearance around the tongue, said tongue being bent outwardly from adjacent its junction to the loop and then curved inwardly so that the point of the tongue projects from the inner periphery of the loop at an abrupt angle in position for point engagement with the conduit when the clamp is tightened in order to puncture and project through said painted coating on the conduit into contact with the body of the conduit.

2,423,628
IRONING TABLE HAVING FOLDING SUPPORTS
Christ Tonn, Minneapolis, Minn., assignor to H. V. Keller Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application June 8, 1945, Serial No. 598,282
7 Claims. (Cl. 38—117)



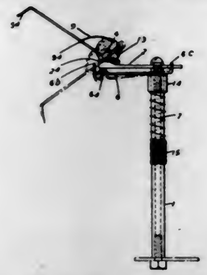
1. In an ironing table, a top assembly, a front leg unit movably connected to said top assembly, a rear leg unit movably connected to said top assembly, a front leg brace movably connected to said front leg unit below the upper end thereof and also movably connected to said rear leg unit below its upper end, and a locking brace having an end movably connected to the under side of said top assembly for movement longitudinally of said top assembly and parallel thereto and extending downwardly and rearwardly and being movably connected to said rear leg unit a substantial distance below the connection of said front leg brace and said rear leg unit.

2,423,629
MATERIAL TREATING MECHANISM
Harry E. Vogeli, Alliance, Ohio, assignor to The Salem Engineering Company, Salem, Ohio, a proprietorship
Application March 15, 1944, Serial No. 526,588
2 Claims. (Cl. 214—18)

1. Apparatus comprising in combination, a material-treating compartment; means within said compartment including a plurality of aligned tubular members joined together by articulated connectors; a plurality of individually rotatable discs arranged along a path substantially parallel with that formed by said tubular members and each rotatable in an upstanding plane angularly disposed with respect to the principal axis of said tubular members to form with said tubular members supporting means for substantially cylindrical work pieces adapted to be treated; means for rotating said tubular members; and discharging means located at the exit of said compartment.



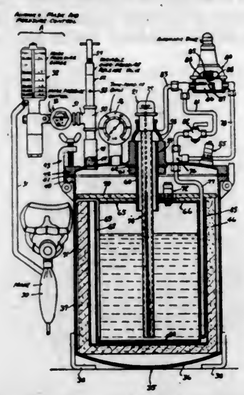
2,423,630
YARN-TENSION OR TAKE-UP DEVICE, PRIMARILY FOR KNITTING MACHINES
Carlyle Herbert Wainwright, Leicester, England, assignor to The Bentley Engineering Company Limited, Leicester, England
Application April 11, 1946, Serial No. 661,232
In Great Britain May 1, 1945
5 Claims. (Cl. 66—146)



1. A yarn-tension or take-up device of the type comprising a biassed yarn-engaging arm or dropper movable under the action of its bias, as the yarn tension decreases, to take up slack in the yarn, having in combination a support column, an arm-mounting platform thereon, a movable trapper member for co-operating with the platform to grip the yarn between them at the supply side of the arm, an adjuster movable along the column, a spring interposed between the adjuster and the trapper member for urging the latter against the platform, and means on the movable trapper member for engagement by the arm as the latter moves against its bias and for moving said member away from the platform to release the yarn.

2,423,631
CONVERSION APPARATUS
John D. Akerman and Jean F. Piccard, Minneapolis, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application January 26, 1942, Serial No. 428,330
11 Claims. (Cl. 62—1)

4. An apparatus for converting oxygen from the liquid to the gaseous phase in accordance with a variable demand and under pressure comprising a pressure tank for storing the gaseous oxygen, a port in the pressure tank wall for withdrawing vapor oxygen therefrom, a relatively smaller liquid oxygen storage tank positioned in the interior of the pressure storage tank, a foraminous heat insulating covering for the liquid oxygen storage tank, a passageway from the interior of the liquid oxygen storage tank and above the liquid level thereof to a position adjacent the outer surface of said liquid oxygen storage tank



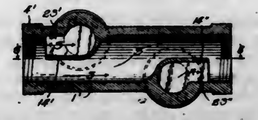
and adjacent the inner surface of said insulating covering whereby cold gaseous oxygen may be delivered to the inner surface of the insulating material for outward filtration therethrough, and means responsive to decrease of gaseous oxygen pressure in the pressure tank for discharging liquid oxygen directly from the liquid oxygen storage tank to the pressure tank for direct evaporation therein.

2,423,632
COUPLING
Louis E. Ansorge, Manitowoc, Wis., assignor to Eastman Mfg. Company, Manitowoc, Wis.
Application October 21, 1943, Serial No. 507,063
4 Claims. (Cl. 285—86)



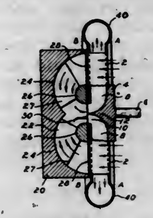
1. A renewable hose coupling comprising a body portion, said body portion having a cylindrical unbroken portion provided with unbroken external threads extending around said cylindrical portion a plurality of times in a continuous manner, a tubular insert screwed into said body portion and swaged in place, a hose surrounding said tubular insert, a compression sleeve surrounding said hose and having interlocking engagement with the body portion at a point spaced from said continuous threads to prevent turning of said compression sleeve, and a clamping nut screwed only on to said body portion and having an internal tapered portion for compressing said compression sleeve to cause the hose to be tightly gripped between the compression sleeve and the tubular insert.

2,423,633
FLOW REGULATOR
William Baden, Chicago, Ill.
Application February 11, 1946, Serial No. 646,862
5 Claims. (Cl. 138—37)



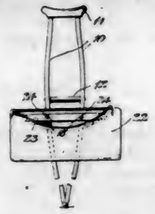
1. A pipe fitting comprising a tubular main portion and a pair of laterally extending tubular projections whose axial center line is offset upwardly from the longitudinal center line of the main portion, a horizontal cross partition in the main portion having an upwardly and forwardly extending end portion to form a space above the partition open at its rear end to the interior of the tubular main portion, and a vertical partition extending upwardly from the horizontal partition to the top of the inside of the tubular main portion to divide said space into two parts, one of said parts connecting with the tubular interior of one of said laterally extending projections, and the other of said parts connecting with the tubular interior of the other of said laterally extending projections.

2,423,634
COMPRESSOR
Henry A. Berliner, Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application June 12, 1945, Serial No. 598,967
4 Claims. (Cl. 230—119)



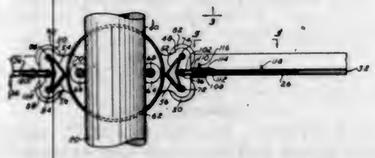
1. An air compressor comprising a plurality of separate hollow blades extending radially from a rotatably mounted hub and adapted upon rotation to force air between the blades from the intake side of the blade system to the delivery side in a direction parallel to the axis of rotation to impart initial energy to such air, means for delivering into the inner ends of said blades the air impelled to the delivery side of said blade system by operation thereof to thereby cause such air to be forced radially through the separate blades whereby energy due to centrifugal force is added to the air, and means for receiving the air discharged from the open outer ends of said blades.

2,423,635
CRUTCH ATTACHMENT
Ferdinand H. Blum, New York, N. Y.
Application November 29, 1945, Serial No. 631,527
5 Claims. (Cl. 135—47)



1. An article carrying attachment for crutches of the type including a pair of convergent rods connected by a top cross-bar and a hand grip, which comprises a member adapted to be mounted on the rods below the hand grip to extend transversely of the rods, clamping means connected to the member for securing it to the rods, a receptacle, and cooperating means on the member and receptacle for detachably connecting the member and receptacle.

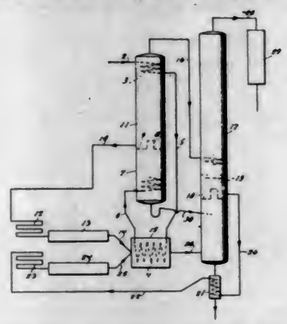
2,423,636
GUN CARRIAGE FOR TURRET GUN SLOT CLOSURES
Chester M. Boyd, Silver Spring, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application May 4, 1944, Serial No. 534,159
3 Claims. (Cl. 89—36)



1. A gun carriage for a turret gun slot closure of the type in which the carriage is movable along the slot and bands are attached respectively to each side of the carriage and extend along the slot to close the same, comprising a pair of spaced connected plates, a substantially hollow cylinder rotatably mounted on said plates and disposed between them and having an opening therethrough through which the barrel of a gun is adapted to project, and a pair of rollers rotatably supported within the cylinder and adapted to engage opposite sides of the barrel.

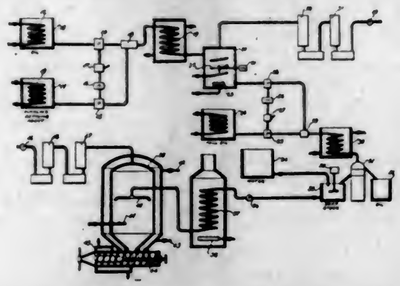
2,423,637
PROCESS AND APPARATUS FOR THE CATALYTIC CRACKING OF A HYDROCARBON OIL
Edward F. Chandler, Brooklyn, N. Y.
Application March 17, 1943, Serial No. 479,415
2 Claims. (Cl. 196—52)

1. In a process of selectively cracking a hydrocarbon oil stock, the steps comprising preheating and vaporizing liquid hydrocarbon charge oil by indirect heat exchange with hot cracked vapors issuing from first and second thermal catalytic cracking zones, submitting the vapors of said charge oil to expansion and fractionation in a first fractionating zone, removing a lower boiling fraction as a vapor from said first fractionating zone, condensing a higher boiling fraction in said first fractionating zone, and subjecting the condensate, while still hot, to further treatment of direct evaporation and selective cracking in the first catalytic cracking zone for optimum conversion, expanding and dephlegmating the cracked vapors in a second fractionating zone while in admixture with the previously separated lower boiling point fraction removed from the first fractionating zone, removing motor fuel vapors from said second fractionating zone and condensing



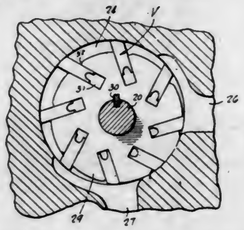
them, condensing a heavier fraction in said second fractionating zone, and vaporizing and subjecting to further separate selective cracking said heavier fraction from the second fractionating zone in the second catalytic cracking zone, comingling and expanding the cracked vapors therefrom with those obtained from the first cracking zone, fractionating the mixed cracked hydrocarbons in the second fractionating zone, and recycling the heavier condensate therefrom through the second cracking zone.

2,423,638
PROCESS OF REFINING OIL AND FOR PRODUCING SOAP
Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Benjamin Clayton, doing business as Refining, Unincorporated, Houston, Tex.
Application December 12, 1945, Serial No. 634,477
3 Claims. (Cl. 252—367)



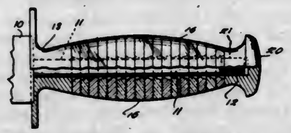
1. The process of producing an improved soap product from the soap stock resulting from refining animal and vegetable oils, which comprises, subjecting a relatively dry mixture containing neutralized oil and soap stock to centrifugal separation in the presence of a hydrating agent containing tall oil soap to produce a mixture of soap stock and tall oil soap, promptly thereafter heating the mixture of soap stock and tall oil soap, discharging the heated mixture into a vapor separating chamber, removing vaporizable impurities from the heated mixture in said vapor separating chamber to produce a purified soap product, removing said product from said chamber and cooling said product.

2,423,639
ROTARY PUMP
Walter Czarnecki, Eddington, Pa., assignor to Eddington Metal Specialty Company, Eddington, Pa., a partnership
Application March 15, 1945, Serial No. 582,837
2 Claims. (Cl. 103—135)



1. In a rotary pump having a rotor and a casing in which the casing is provided with a substantially enclosed cylindrical chamber with inlet and outlet connections, means eccentrically mounting the rotor in the cylindrical chamber of the casing, said rotor having a plurality of slots rectangular-shape in cross section extending inward from the periphery thereof, said slots having parallel sides and said sides positioned at acute angles to radially extending planes from the center of the rotor with the slots sloping backward from the direction of rotation of the rotor, the peripheral surface of the rotor provided with beveled surfaces adjacent the leading edges of the slots, and a plurality of vanes slidably mounted in said slots, said vanes having arcuate outer ends, longitudinally extending recesses in the inner edges and passages across the leading faces thereof providing continuous communicating means between the periphery of the rotor through the spaces provided by the said beveled surfaces and the recesses in the inner edges of the vanes, whereby fluid under pressure in front of the vanes passes inward through the said passages in the vanes building up pressure behind the vanes for forcing the vanes outward accentuating the centrifugal force in the rotor.

2,423,640
DECORATIVE KNIFE HANDLE
Don A. Dally, Pillager, Minn.
Application November 3, 1944, Serial No. 561,793
4 Claims. (Cl. 41—34)

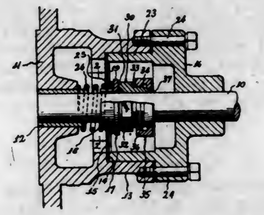


1. In the combination of a knife having a blade, an integrally attached shank and a handle detachably secured to said shank; said handle comprising a plurality of transparent disks having centrally disposed beveled apertures therethrough positioned on said shank, coloring matter on the interior of said beveled apertures and means for retaining and compressing said disks.

2,423,641
PROCESS FOR THE PREPARATION OF THIOL ESTERS
Ellsworth Knowlton Ellingboe, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1944, Serial No. 541,291
4 Claims. (Cl. 260—455)

1. Process for the preparation of thiol esters which comprises reacting thiolacetic acid in a neutral to acid liquid environment at a temperature from —50° C. to +200° C., with a vinyl ester of the class consisting of vinyl chloride, vinyl acetate, and vinyl thiolacetate in the presence of a catalyst containing two directly linked oxygen atoms and selected from the class consisting of peroxides and molecular oxygen.

2,423,642
DIAPHRAGM SHAFT SEAL
Peter Endebak, Chicago, Ill., assignor to Tuthill Pump Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1944, Serial No. 552,122
3 Claims. (Cl. 286—11)



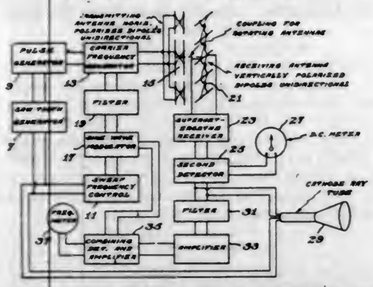
1. In a seal for a rotatable member, a housing member, a flexible diaphragm having its periphery fixed with respect to said housing member and surrounding said rotatable member, a thrust collar loosely mounted on said rotatable member in slidable but non-rotative engagement with said diaphragm, said thrust collar having a radially extending shoulder in spaced relation to said diaphragm, an annular sealing member detachably surrounding a cylindrical portion of said thrust collar and interposed between said diaphragm and the shoulder on said thrust collar, and an annular bearing collar detachably mounted on said rotatable member in rotatable engagement with the outer face of said thrust collar and maintaining said annular sealing member under yielding compression between said diaphragm and the shoulder on said thrust collar.

2,423,643
CONDENSATION PRODUCTS OF GUANYLUREA WITH ALKYLENE OXIDES
Walter P. Ericks, Buffalo, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 22, 1943, Serial No. 484,077
2 Claims. (Cl. 260—553)

1. A method of preparing an ethylol guanyl urea which includes reacting guanyl urea and ethylene oxide at 10° C.

2. An ethylol guanylurea as produced by the method of claim 1.

2,423,644
RANGE FINDER
John Evans, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1939, Serial No. 274,641
10 Claims. (Cl. 250—1.66)



1. In a device of the character described, means for radiating a pulse of wave energy, means for generating a modulating signal, means for varying the frequency of said modulating signal at a known rate, means for applying a portion of known frequency of said signal to modulate said pulse, means for receiving said modulated pulse after reflection, means for combining said modulation signal and said reflected signal to obtain a signal corresponding to their difference frequency, and means for indicating the difference frequency of said modulating signal at the time of reception and the frequency of modulation of said received pulse.

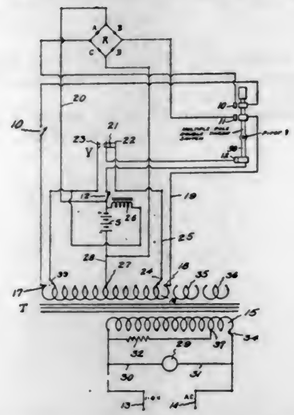
2,423,645
CARD INDEX
Curt Helgesson Fahlstedt, Stockholm, Sweden
Application May 5, 1944, Serial No. 534,256
In Sweden April 22, 1943
3 Claims. (Cl. 129—16.1)



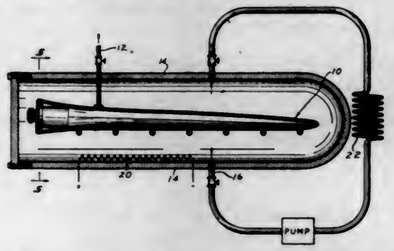
1. In a card-index, a casing having an opening in the front wall thereof, a drawer slidable into and out of said casing through said opening, a plurality of cards stacked horizontally in said drawer, each card having a notch extending inwardly from the front edge and one side edge thereof, the width of the notches increasing from the top towards the bottom of said stack, a transversely extending scale provided on said casing, a transversely slidable member located in the front portion of said casing, a pointer carried by said member and cooperating with said scale, and a selector arm carried by said member extending into the space provided by said notches for retaining within the casing when the drawer is slid out all the cards the notches of which are located entirely to one side of said arm.

2,423,646
BATTERY CHARGER WITH REVERSIBLE FEATURE
Leroy R. Flippen, Clearfield, and Fred L. Hennefer, Kaysville, Utah
Application February 6, 1945, Serial No. 576,470
8 Claims. (Cl. 175—363)

1. In combination, a storage battery, a rectifier, a vibrator, and a transformer, the transformer having means for connection with a source of A. C. current, a circuit connecting the vibrator with said transformer and the battery, a circuit connecting said rectifier with said transformer, vibrator and battery, and switches located in said circuits for selectively rendering said circuits active at different times in a manner whereby one circuit may be used as a source of A. C. current supply from a D. C. current source at one time, and another circuit may be used as a battery charging circuit to charge the battery from an A. C. source of supply at another time.

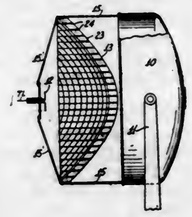


2,423,647
METHOD OF MAKING ARTICLES OF COMPRESSED AND IMPREGNATED WOOD
Joseph E. Gurvitch, Hyattsville, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application July 14, 1943, Serial No. 494,747
2 Claims. (Cl. 144—309)



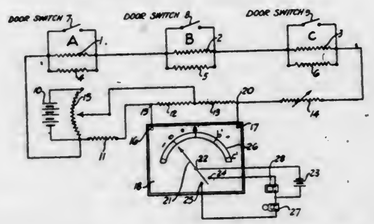
1. The method of manufacturing laminated wood articles, such as propellers, comprising the steps of first forming a plurality of wood veneers each having the approximate shape of one of the laminations of the final article but being of substantially greater dimensions throughout than said one of the laminations, superposing said pieces in face-to-face relation with adhesive between adjacent pieces to produce a preliminary article having the general shape of the final article which is to be produced and being materially larger in all dimensions than such final article, and subjecting said preliminary article to fluid pressure over its entire external surface to reduce the size of the article in all directions to the desired size of the final article, and heating the fluid to set the adhesive.

2,423,648
ANTENNA
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1943, Serial No. 473,674
11 Claims. (Cl. 250—11)



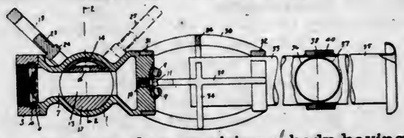
1. A directive antenna system, including a radiator and a parabolic reflector, said parabolic reflector being comprised of a plurality of conductive walled cells arranged with their lengths parallel to the axis of said reflector, the lengths of said cells being such that substantial energy from said radiator is not radiated therethrough and said cells having transverse dimensions such that substantial energy is not propagated therethrough by wave guide action.

2,423,649
ELECTRIC BURGLAR ALARM
Gerard Michael Horvitch, Johannesburg, Transvaal, Union of South Africa
Application June 14, 1945, Serial No. 599,327
In the Union of South Africa December 8, 1944
3 Claims. (Cl. 177—314)



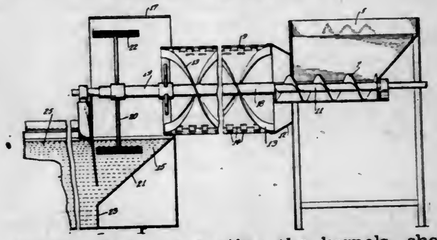
1. An electric burglar alarm for use in a building in which there are several points of entrance thereto comprising, in an electrical circuit, a separate and different electrical resistance (hereinafter called a detector resistance) at each of the respective points of possible entry to said building which it is desired to protect; a shunt resistance connected in parallel with each such detector resistance; separate switch means for each detector resistance, said switch means being operable when the point of entry with which it is associated is opened and, when operated, adapted to short out its detector resistance and with it its shunt resistance; a source of electric current; and a meter having a moving pointer; said pointer being associated, on the one hand, with a scale calibrated to show the respective points of possible entry at positions within the range of the pointer corresponding to the magnitude of the respective pairs of detector and shunt resistances and, on the other hand, with fixed contact means which is connected into a signal circuit.

2,423,650
FOAM NOZZLE
Gordon F. Hurst, San Jose, Calif.
Application January 13, 1945, Serial No. 572,633
3 Claims. (Cl. 261—116)



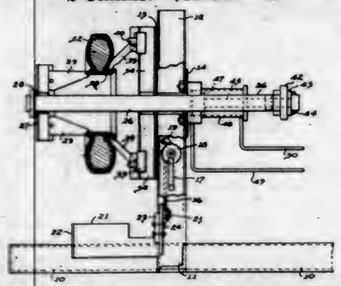
1. A foam nozzle comprising a body having an inlet for admission of a foam solution into said body and a plurality of outlets arranged for ejection of such solution therefrom in separate streams to convergence thereof outwardly of said body, an open ended aerating tube for receiving said streams in one end thereof for ejection through the opposite end, means securing said tube to said body with said one end spaced therefrom for admission of atmospheric air into said streams and into said one end of said tube, a pair of concave screens in said tube concentric therewith and at a point intermediate the ends thereof, said screens being arranged with their concave sides in opposed relation.

2,423,651
COMBINED SCREENING AND GRAVITY LIQUID SEPARATION APPARATUS
Karl McMaster Jones, deceased, late of Garrison, N. Y., by Elizabeth T. Jones, administratrix, Garrison, N. Y.
Application March 26, 1945, Serial No. 584,866
1 Claim. (Cl. 209—17)



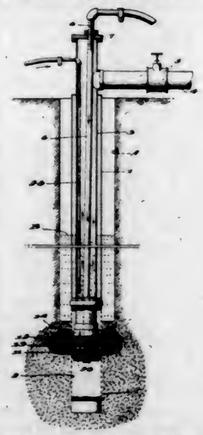
Apparatus for separating the kernels, shells and husk fragments of cracked nuts, comprising a hopper into which said cracked nuts may be introduced, a rotatable shaft extending through and beyond said hopper, a screw conveyor rigidly secured to and carried by said shaft and located in the bottom of said hopper, a perforated cylindrical screen also rigidly secured to and carried by and rotating with said shaft and provided internally with helical conveyor means, which screen receives at one end the cracked nuts supplied from said hopper by said screw conveyor and discharges at the other end the residue of the screening operation, a water-containing tank having an inclined wall located below and arranged to receive nut kernels, husk and shell fragments from the discharge end of said screen, a baffle located opposite the discharge end of said screen and projected into said tank, and paddle means also rigidly secured to and carried by said shaft and located between said baffle and the discharge end of said screen and arranged to agitate the mixture of kernels, husks and shells at the surface of the water in the tank whereby the shells which are separated from the kernels and husks are permitted to sink in the water on to the inclined wall of the tank down which they slide beneath the baffle into the bottom of the tank.

2,423,652
TIRE REMOVING APPARATUS
Merle B. Kelley, Washington, Pa., assignor, by direct and mesne assignments, to Kel-Mar Tire Remover Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1944, Serial No. 556,940
2 Claims. (Cl. 157—6)



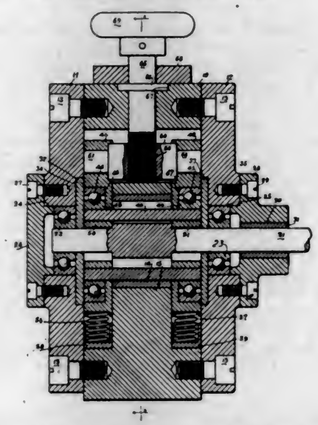
1. Tire removing apparatus, comprising pusher elements engageable with one edge of a rim, fingers arranged in an annular path, in position to enter between a tire and the other edge of the rim, brackets pivotally supporting the fingers in sloping relation to the peripheral surface of the rim, means for moving the pusher elements and the brackets relative to one another, in an axial direction, to cause the free ends of the fingers to push the tire from the rim, means limiting outward swinging movements of the inner ends of the fingers, springs yieldably holding the fingers at their outer limits of movement, and stop shoulders on the brackets, in position to limit pivotal movements of the fingers toward the rim to points at which they will be in proximity to the peripheral surface of the rim, but out of thrust engagement therewith, said stop shoulders being located radially inward of the pivotal supports for their respective fingers, in position to receive the major portion of thrust forces imposed upon the fingers.

2,423,653
APPARATUS FOR DEVELOPING WELLS
Herman E. Lauman, Garden City, N. Y.
Application August 3, 1943, Serial No. 497,228
5 Claims. (Cl. 166—2)



1. In apparatus for developing a well formed by a bore in surrounding strata, the combination of a pipe section adapted to extend downwardly in the bore, a fixed abutment on the pipe section, a cage containing a chamber opening outwardly and slidably mounted on the pipe section for movement lengthwise thereof, said cage having inner openings, and yieldable packing surrounding the pipe section intermediate the cage and the abutment, said pipe section having openings therein in position to register with the inner openings in the cage and establish communication from the pipe section into the cage upon sliding movement of the cage lengthwise in a direction to expand the packing.

2,423,654
VARIABLE DELIVERY VANE PUMP
Arthur F. Leis, Dayton, Ohio
Application August 3, 1944, Serial No. 547,829
9 Claims. (Cl. 103—161)



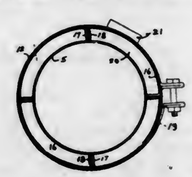
1. A variable delivery pump that includes in combination, a casing having a chamber therein, a rotor positioned in said chamber rotatable coaxially therewith and having a plurality of radially extending arms forming individual pumping chambers in said chamber, arcuately shaped vane segments positioned in said individual pumping chambers and driven rotatively by said rotor, means forming circular track means to receive the arcuately shaped ends of said vane segments to guide rotation thereof about the axis of said rotor and cause radial reciprocation thereof in said pumping chambers, and means for moving said track-forming means relative to the axis of said rotor to change the eccentric relationship therebetween and thereby change the delivery from the pump.

2,423,655
PIPE COUPLING OR JOINT
Albert Mars and Michael M. Mars, Cleveland, Ohio
Application June 5, 1944, Serial No. 538,726
3 Claims. (Cl. 285—196)



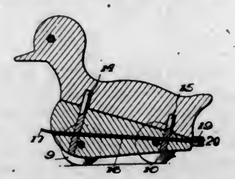
1. A coupling of the class described, comprising a pair of compression members, one of which is internally threaded at one end and formed with an internal conical seat at its other end of a low angle relative to the axis of said member, said compression member also having a radial abutment shoulder between said threaded portion and said conical seat, the other of said compression members being externally threaded and formed with an internal conical seat and abutment shoulder, and a gasket of deformable material, such as lead, provided with a cylindrical bore therethrough to receive a cylindrical pipe or shaft and conical end faces tapering at an angle substantially corresponding to the conical seats of the compression members, said conical faces terminating their bases in an annular flange adapted to be compressed against the abutment shoulders of the compression members, as the conical end is compressed against the pipe or shaft, when the said compression members are screwed home to effect a leak-proof connection.

2,423,656
PROTECTIVE COVER FOR SMOKE PIPES
John H. Messer, Pittsburgh, Pa.
Application May 2, 1945, Serial No. 591,575
1 Claim. (Cl. 126—307)



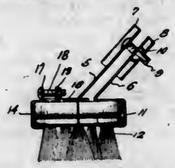
A protective cover for a smoke pipe comprising a cylindrical jacket for enclosing the smoke pipe and consisting of four quadrant jacket sections, one side edge of each of said sections being shaped to form a groove and the other side edge thereof being formed to provide a lip, the lip of each of said sections engaging in the groove of the adjacent section for connecting said sections together, said inter-engaging lips and grooves being disposed inwardly and serving to concentrically maintain said jacket in spaced relation with respect to the smoke pipe, and clamping bands mounted on said jacket for securing the latter in the assembled position.

2,423,657
TOY
James B. Mutch, Rochester, N. Y., assignor to Rochester Shoe Tree Co., Inc., Rochester, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,073
5 Claims. (Cl. 46—103)



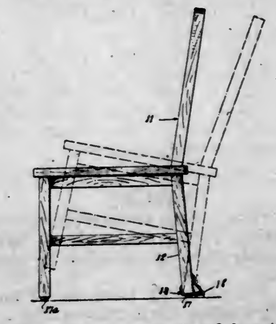
1. A wheeled toy including a body representative of a figure composed of upper and lower body portions each having a front and rear end, the lower body portion having a longitudinal passage therein, the upper body portion being reversible on the lower body portion, one of said body portions having spaced projecting pins and the other body portion having spaced sockets to detachably receive said pins interchangeably in reversible mounting of the upper body portion on the lower body portion, and a pull string slidable in the passage of the lower body portion, whereby to pull the toy forwardly from either end of the figure.

2,423,658
BRUSH HOLDER
Harry Elwood Priem, Dunmore, Pa.
Application January 11, 1944, Serial No. 517,827
1 Claim. (Cl. 15—146)



A brush holder comprising front and rear clamping members of sheet metal, said front clamping member embodying a two-part construction and said rear clamping member comprising a single part, both of said clamping members including upwardly and rearwardly inclined plates spaced from each other and stamped to form a handle receiving socket on their opposed faces, connecting means between the inclined plates to clamp the socket to a handle, a channel member formed on the lower edge of the plate of the rear clamping member adapted for receiving the rear edge of a brush, one part of said front clamping member including a channel member adapted for receiving the front edge of a brush, a horizontal plate projecting from the channel of the front clamping member resting on the brush, guides on the side edges of said horizontal plate, a horizontal extension plate on the second part of said front clamping member and projecting forwardly from the lower edge of its inclined plate and overlying the first horizontal plate for sliding thereon between said guides, integrally formed upstanding apertured tongues rising from the horizontal plates and spaced from each other, and connecting means between the tongues for adjusting the channel of the front clamping member relative to the channel of the rear clamping member in clamping engagement on the brush.

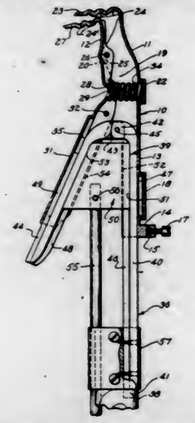
2,423,659
ANTISKID DEVICE FOR CHAIRS
William H. Rabe, Upper Arlington, Ohio
Application November 12, 1943, Serial No. 509,969
2 Claims. (Cl. 155—77)



1. In a chair having a pair of front and a pair of rigid rear legs, means at the lower end of

each of said rear legs providing supporting surfaces at the bottom of each of said rear legs comprising a downwardly facing surface centered approximately in line with the longitudinal axis of the leg and extending generally transverse to said axis, adapted to rest upon and slidably engage the floor when the chair is in normal position and all four legs bear upon the floor, and a downwardly-facing friction surface arranged rearwardly and upwardly of each of said slidable surfaces and each closely adjacent to its respective slidable surface, said slidable and friction surfaces being in fixed relationship to the respective leg and to each other, and said friction surfaces being above the floor when the chair is in normal position but engaging the floor when the chair is tilted rearwardly whereby the slidable surfaces are raised from the floor when the chair is tilted still further rearwardly, thus preventing skidding of the bottoms of the rear legs when the chair is tilted rearwardly by the occupant.

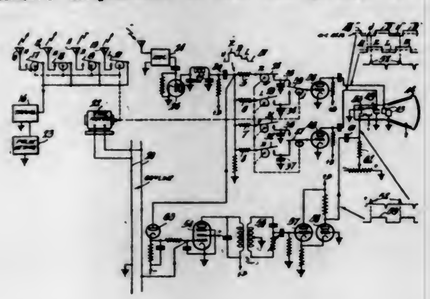
2,423,660
POWER LINE TAPPING CLAMP
Charles E. Reynolds, Alexandria, Va.
Application July 2, 1946, Serial No. 681,078
6 Claims. (Cl. 173—273)



1. A line tapping clamp comprising a fixed jaw having a lower extension, a swinging jaw pivotally connected thereto, a lever pivotally connected to the fixed jaw, the upper end thereof being pivotally connected to a lower end of the swinging jaw, spring means between the fixed jaw and the pivot of said lever and swinging jaw to move the swinging jaw into closed engagement with the fixed jaw, and a handle device including a shank engageable in the lower extension of the fixed jaw, a camming lever pivotally connected to said shank and engaging said first named lever, a longitudinally movable cam head disposed between said shank and camming lever, and said handle device further having means for advancing and retracting said cam head.

2,423,661
REFLECTED WAVE DIRECTION FINDER
Henry E. Rhea, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 27, 1943, Serial No. 512,029
10 Claims. (Cl. 250—1.72)

1. An indicator for a radio pulse-echo system of the type comprising a plurality of directive antennas having overlapping radiation patterns in the horizontal plane and having overlapping patterns in the vertical plane, a radio pulse transmitter unit and a radio pulse receiver unit, means for switching said antennas successively to at least one of said units, said indicator comprising a cathode ray tube having a pair of horizontal deflecting elements and a pair of vertical deflecting elements, means for obtaining an alternating-current wave that is a measure of the relative amplitudes of the two groups of re-



flected pulses in said horizontal plane, means for applying said wave to said pair of horizontal deflecting elements to deflect the cathode ray of said tube in one direction, means for obtaining a second alternating-current wave that is a measure of the amplitude of the two groups of reflected pulses in the vertical plane, means for applying said second wave to said pair of vertical deflecting elements, and means for changing the intensity of said cathode ray periodically and in synchronism with said alternating-current waves.

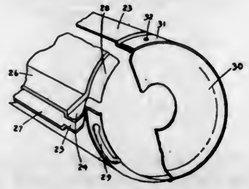
2,423,662
PHONOGRAPH PICKUP DEVICE
Bruce Roberts, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 8, 1944, Serial No. 553,156
1 Claim. (Cl. 179—100.41)



In a phonograph pick-up for modulating the frequency of an oscillator, in combination, a pair of cylindrical members of high permeability material, each of said members having an annular depression therein to form an outer shell and an inner pole piece, said pole pieces being shorter than said shells, coils in said annular depressions, means mounting said cylindrical members with the rims of the shells in abutting relationship forming a space between said pole pieces, a disk of high permeability material mounted in said space between said pole pieces, and a lever carrying said disk, said lever terminating in a stylus at its opposite end whereby movement of said stylus in accordance with the grooves of a phonograph

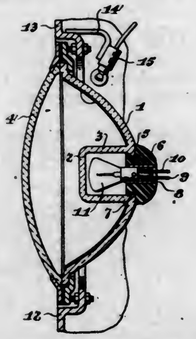
record or the like will move said high permeability disk into and out of a normal position in which its axis is more or less nearly coincidental with the axis of said pole pieces.

2,423,663
FILM CARTRIDGE
Bruno C. Roehrl, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 22, 1944, Serial No. 555,212
8 Claims. (Cl. 206—52)



5. A roll film cartridge comprising a shell and end caps having a substantially continuous rim, said shell being cylindrical in form and having a tangentially extending film slot formed from projecting lips bent outwardly from the cylindrical shell, the ends of the shell being necked down for the reception of the end caps, means for preventing compression of the film slot beyond a predetermined extent which includes offset ends of the lip members, means including notches cut in the offset ends of the lip members for allowing assembly of said end caps having a substantially continuous rim, and bayonet-type connections for retaining the end members on the shell and in light-tight cooperation therewith.

2,423,664
HEADLIGHT LENS
Earl Ryder, Bergen, N. Y.
Application May 9, 1946, Serial No. 668,415
1 Claim. (Cl. 240—41)



In a headlight lens the combination of a lens proper and a parabolic mirror fastened together on the edges and enclosing an open space between them, a transparent pocket extending centrally from the parabolic mirror into the open space, said pocket opening rearwardly and being integral with the mirror, an inwardly projecting flange surrounding the rim of the pocket, an elastic plug having an undercut at its forward end adapted to engage with said flange, and a lamp socket and lamp held centrally in said plug and said socket.

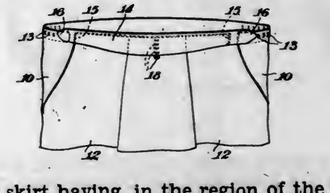
2,423,665
ACID RESISTANT ALLOY
William B. Sullivan, Cleona, and John W. Juppenlatz, Lebanon, Pa., assignors to Lebanon Steel Foundry, Lebanon, Pa., a corporation of Pennsylvania
No Drawing. Application October 5, 1944, Serial No. 557,370
3 Claims. (Cl. 75—125)

1. A corrosion resistant alloy of improved crystalline and structural properties comprising

Ni about 27–30%
Cr about 19–22%
Cu about 2.0–3.0%
Si about 2.0–about 3.0%
Mo about 1.45–about 1.95%
C trace–0.1%
Mn about .5–2.0%

and the remainder Fe, the ratio of Si to Mo being greater than one.

2,423,666
SKIRT
Nathaniel Tennens, London, England
Application July 24, 1944, Serial No. 546,273
In Great Britain July 23, 1943
4 Claims. (Cl. 2—221)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A skirt having, in the region of the waist, a pair of gussets disposed at the respective sides of the skirt and each provided with a series of fastener elements disposed in spaced-apart relation across the width of the gusset, and having a supporting waist band secured near its respective ends to the body of the skirt, and arranged to extend across the front thereof, fastener elements provided on free end portions of said waist band for engagement with any selected fastener elements of the respective gussets, thereby to provide for variation in the effective waist measurement of the skirt, a series of fastener elements provided on the front of the body of the skirt and which are vertically spaced apart, and a cooperating fastener element on the free central part of the waist band for engagement with any selected one of the said vertically separated fastener elements to provide additional support for the skirt in a manner which allows for variation vertically as to the disposition of the free central part of the waist band with respect to the body of the skirt.

2,423,667
ADJUSTABLE RECEIVER FOR SPENT BOBBINS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 17, 1946, Serial No. 662,876
9 Claims. (Cl. 139—255)

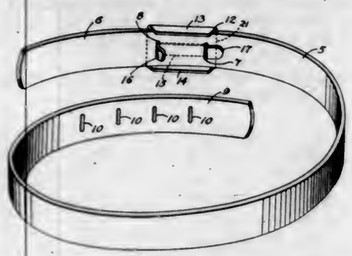
1. In a weft replenishing loom having a reciprocating lay, a spent bobbin receiver, means capable of supporting the receiver on the loom in

any one of a plurality of positions in front of the lay and arranged lengthwise thereof, a bobbin chute secured in fixed position on the lay, a bobbin guide for the chute, and means capable



of securing said guide to said chute in position to direct a bobbin descending along the chute into said mouth when said receiver is in any of said positions thereof.

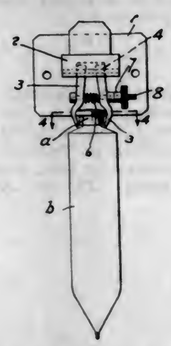
2,423,668
BELT AND BUCKLE
Robert N. Wiethorn, Cincinnati, Ohio
Application May 16, 1946, Serial No. 670,055
4 Claims. (Cl. 2—322)



3. In a device of the class described, the combination of a plain length of belting characterized by uniformity of thickness from end to end, opposite ends of the belt being apertured to form elongated slots extending transversely between the belt edges, and a buckle comprising a plate having an outer face and an inner face approximating in width the width of the belt, a rigid strip having opposite ends, and an intermediate portion fixed flatwise upon the inner face of the plate lengthwise thereof, one end of the strip being turned substantially at right angles to the plate to provide a shank, then extended toward the adjacent end of the plate in substantial parallelism therewith, said shank being in length no shorter than the single thickness of the belt, the other end of the strip being turned away from the plate to extend therefrom a distance at least equal to twice the thickness of the belt, to provide an anchorage lug insertable in a slot at one end of the belt.

2,423,669
COMBINED TUBE AND TOOTHBRUSH HOLDER
William D. Winslow, Vineland, N. J.
Application April 7, 1945, Serial No. 587,139
4 Claims. (Cl. 248—108)

1. A holder for collapsible tubes comprising a shelf-like bracket member adapted for securement to a supporting wall or the like, a pair of depending jaws pivotally supported at the outer extremity of said bracket member, spring means interposed between said jaws tending normally to separate the same, and means operatively associated with the shanks of said jaws for closing the same against the action of said spring means, the free extremities of said jaws being interiorly convexed to grip diametrically opposite sides of



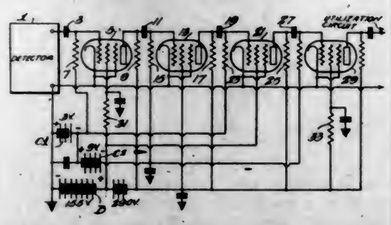
the conventional sealing cap of a tube to securely support the same when the jaws are closed.

2,423,670
SHIP CONSTRUCTION
Wiley Porter Winslow, Richmond, Calif.
Application March 5, 1945, Serial No. 581,030
1 Claim. (Cl. 114—79)



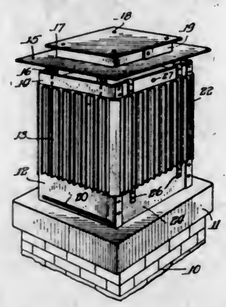
A hull construction consisting of a plurality of frames having expansion joints formed therein and a plurality of plates secured to said frames, said plates being curved to form an expansion joint at their abutting edges said joints coinciding with the expansion joints in said frames.

2,423,671
APPARATUS FOR AND METHOD OF PULSE LIMITATION AND AMPLIFICATION
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1940, Serial No. 316,223
7 Claims. (Cl. 178—44)



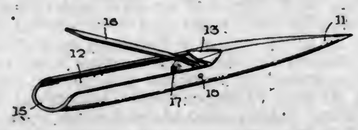
1. The method of amplifying and limiting unidirectional current pulses which includes amplifying a unidirectional current pulse to an amplitude not in excess of a predetermined value irrespective of the amplitude of the applied pulse, amplifying said amplified pulse without altering its wave form, further amplifying said second mentioned amplified pulse to an amplitude not in excess of a predetermined value irrespective of the amplitude of said second mentioned amplified pulse, and still further amplifying the third mentioned amplified pulse without altering its wave form.

2,423,672
CHIMNEY VENTILATOR
Gottlieb F. Zucker, Chicago, Ill.
Application January 10, 1945, Serial No. 572,156
8 Claims. (Cl. 98—66)



1. A generally rectangular chimney ventilator comprising a housing having vertical walls, the major portion of the area of each of said walls being punched into a plurality of parallel vertical strips, one strip at each corner being arranged at an angle of substantially forty-five degrees relative to the side walls, the remaining parallel vertical strips each being formed so as to have a substantially V-shaped cross section with the edges thereof directed outwardly from said housing to provide ventilating openings between adjacent strips, said openings being a fractional part of the width of said strips, the edges of said strips extending substantially to the planes interconnecting the corner strips, a cover plate for said housing mounted in spaced apart relation to the top thereof, said plate having an area greater than the horizontal cross section of said housing, an auxiliary plate of smaller size mounted above said first plate in spaced relation thereto, and vertical wall means interconnecting said upper and lower plates.

2,423,673
FID FOR SPLICING ROPE
Venancio Adrias, II, Washington, D. C.
Application June 17, 1944, Serial No. 540,855
2 Claims. (Cl. 57—23)

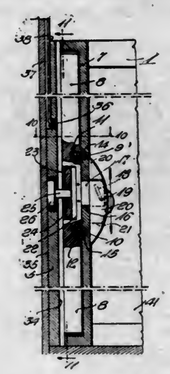


1. A fid comprising an integral tubular body one end of which is closed and tapered to a point, the opposite end being of channel shape for the reception of a rope strand to be spliced, a clamping element pivotally mounted in said channel in close proximity to the inner terminal of the closed end of the body, the terminals of the engaged end of said element being extended beyond the sides of the latter, lugs formed on the margins of the channel in proximity to the axis of the clamping element, the lugs being in the path of movement of said element to limit the extent of movement of the latter into the channel.

2,423,674
PROCESS OF CATALYTIC CRACKING OF PETROLEUM HYDROCARBONS
Per Henning Wilhelm Ågren, Nynashamn, Sweden, assignor to A. Johnson & Co., New York, N. Y., a company of Delaware
No Drawing. Application June 24, 1944, Serial No. 542,005. In Sweden August 24, 1942
2 Claims. (Cl. 196—52)

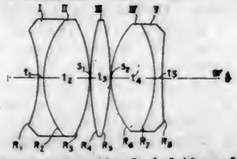
1. In the cracking of petroleum oils, the process which comprises passing such an oil into a hole drilled in a natural oil-shale rock formation in contact with said rock and while heating the drill hole to cracking temperatures, passing the oil into said hole until the natural oil content of the formation is exhausted and withdrawing the resulting products from said hole, thereafter continuing to pass oil into said hole and cracking it therein utilizing the catalytic properties of the natural rock formation to enhance the cracking of said petroleum oil, and withdrawing the cracked products from said hole.

2,423,675
SAFETY REVERSIBLE WINDOW
Louis I. Alperin, Scranton, Pa.
Application July 17, 1945, Serial No. 605,581
4 Claims. (Cl. 20—49)



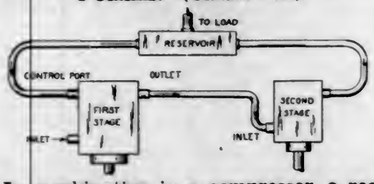
1. Hardware for controlling the position of double-hung window sashes in longitudinally extending stiles in a window frame for composite translatory and angular movement of the sashes with respect to the window frame comprising strip members slidable in the stiles of a window frame and disposed at opposite edges of translatory and angularly movable window sashes, cup-shaped members recessed into central positions in said strip members, diametrically opposite lugs secured to said cup-shaped members and fastened to transverse positions on said strip members, plate members each having a stud thereon, said plate members being disposed in said cup-shaped members and said studs extending into opposite edges of the window sashes and turnable therewith, said studs being positionally adjustable with respect to said window sashes and means interposed between said cup-shaped members and said plate members whereby angular movement of said window sashes operates to transversely displace said plates for frictionally engaging the window frame and securing the sashes in the selected angular positions.

2,423,676
EYEPIECE
Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 20, 1943, Serial No. 511,061
7 Claims. (Cl. 88—57)



1. An eyepiece for optical sighting devices comprising a plurality of positive components spaced apart an aggregate distance less than F/3 where F is the focal length of the eyepiece in which positive components each outer surface facing another positive component is convex thereto, the front surface of the positive component farthest from the eye position being concave to the front with a radius of curvature smaller than 5F, the eyepiece being characterized by having at least two cemented surfaces joining negative and positive elements in which the power of such surfaces is on the average between zero and minus 0.05/F and the index difference ($N_N - N_P$) at such surfaces is on the average between zero and plus 0.08, where N_N and N_P are the refractive indices of the negative and the positive elements respectively.

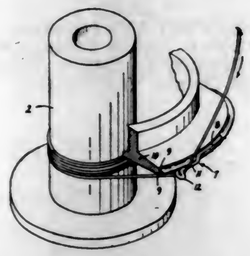
2,423,677
COMPRESSOR PRESSURE CONTROL
Roy O. Balogh, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1946, Serial No. 645,191
4 Claims. (Cl. 230—21)



1. In combination in a compressor, a reciprocating piston and a cylinder, a movable member cooperating with said piston and cylinder to form the clearance volume of said cylinder, said movable member having an inlet port and a check valve therein, said movable member also having means arranged for communication with an exhaust port in said cylinder at all positions of said movable member, said movable member being spring loaded to reduce the clearance volume, said movable member being subjected to fluid pressure to increase said clearance volume, the relation of the inertia of said movable member, the force of said spring and the piston speed being such that said movable member makes only a partial stroke during a cycle.

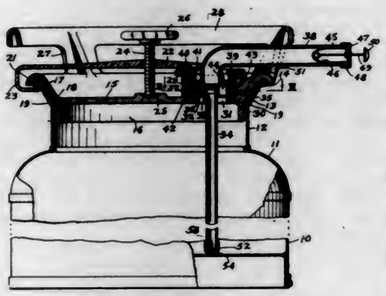
2,423,678
CAP SPINNING TRAVELER
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 24, 1945, Serial No. 589,961
2 Claims. (Cl. 57—127)

1. Cap spinning apparatus comprising a non-rotatably mounted cap, an annular guideway on the lower rim of the cap, a traveler, guide means on the traveler arranged to co-operate with the guideway, said traveler having a portion below, and extending in the general direction of, the



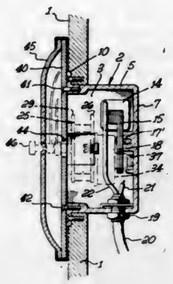
lower rim of the cap comprising a yarn-guiding surface for holding the yarn out of contact with said rim and a portion bent downwardly from said yarn-guiding surface so that it extends in the way of the yarn as it passes under the cap.

2,423,679
DEVICE FOR DISPENSING FROM AN INVERTED MILK CAN
Leo Bethke, Maywood, Ill., assignor to Solar-Sturges Mfg. Co., Melrose Park, Ill., a corporation of Illinois
Application April 6, 1944, Serial No. 529,721
7 Claims. (Cl. 222—185)



1. Dispenser structure for a milk can comprising a cover therefor and means for clamping the cover in sealing engagement with the can, a chamber formed in said cover, a dispensing spout extending laterally from said cover and terminating at its inner end in a flange in said chamber, said chamber having a passageway in its bottom in communication with the interior of the can, a disk in said chamber below said spout flange and having passageway therethrough connecting said chamber inlet passageway with said spout, said spout receiving milk from said can when said can is in inverted position, a structure on said cover for supporting said can in inverted position, an air inlet tube extending from said disk and passageways in said disk connecting said tube with said chamber, said chamber having an inlet for air from the exterior of the can, whereby air may flow into the space above the milk level in the can when the can is inverted and milk is dispensed therefrom through said spout, and a plug engaging in the outer end of said chamber for clamping said spout flange and disk axially in said chamber.

2,423,680
TIME OUTLET
Edgar Bourquin, Los Angeles, Calif.
Application August 13, 1945, Serial No. 610,446
7 Claims. (Cl. 58—53)



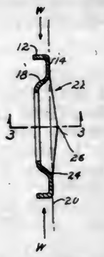
1. A device for facilitating the installation and repair of electrically driven clocks and the like, comprising: an outlet box provided with side walls, a back wall and an open front; means carried by the box for attaching the box to a supporting panel in which said box is recessed; a magnetic core and field coil mounted within the box; a port in the wall of the box for the reception of electrical conduit means; and guide means carried by the box for guiding and supporting a removable motor unit in operative relation to the magnetic core.

2,423,681
USE OF MAGNESIA CATALYSTS IN THE PRODUCTION OF BUTADIENE
Darrel J. Butterbaugh, Philadelphia, and Le Roy U. Spence, Elkins Park, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 30, 1944, Serial No. 551,996
3 Claims. (Cl. 260—681)

3. A process for producing butadiene which comprises vaporizing ethanol, passing the resulting vapors over a catalytic agent comprising magnesium oxide admixed and digested with silica in the presence of a strongly alkaline material and containing a promoter, while maintaining said catalytic agent at a temperature of from about 375° to about 525° C., and thereafter removing butadiene from the gaseous mixture.

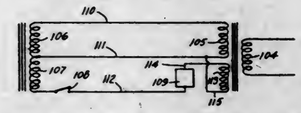
2,423,682
SHEET METAL STRUCTURE
John B. Castle, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application May 30, 1944, Serial No. 538,023
2 Claims. (Cl. 189—37)

1. A beam having a web of sheet material provided with flanged lightening holes arranged in a juxtaposed series in the web, the flanges of said holes projecting angularly from said web and terminating in an inwardly directed annular member substantially parallel to said web; and columns, arranged between adjacent flanged lightening holes, projecting to the side opposite to that to which the flanges of said lightening holes project, said columns rising from the face plane of said web from lines tangent to the top and bottom peripheries of adjacent flanged lightening



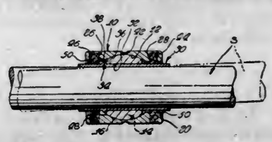
holes to a crown intermediate the length of said columns.

2,423,683
ELECTRICAL CONTROL SYSTEM
Andrew B. Christensen, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application October 2, 1943, Serial No. 504,713
9 Claims. (Cl. 171—97)



8. An alternating current supply circuit for electrically controlled devices operable only at a predetermined voltage and phase, said circuit comprising a device of the aforesaid character, a plurality of transformer windings, each of substantially equal value, means permanently connecting certain of the transformer windings together and to the devices, and switch means operable to control the connection of the devices to at least one of the other windings for device operation only when the switch means is operated to a closed circuit position, each of the windings having a predetermined voltage-phase relationship, the effective voltage being a multiple of the supply voltage from the secondary of the input transformer to the auto-transformer and having a phase differing therefrom and each being necessary for device operation, circuit connecting means for connecting the windings in a predetermined relationship to attain that operating value of voltage and that phase relation, said switch means controlling certain of the connecting means and being connected to the devices.

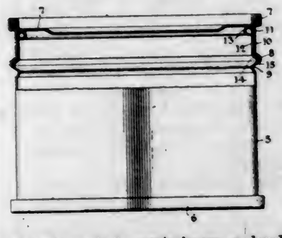
2,423,684
SPHERICAL BEARING DEVICE
Samuel Collito, Jr., Newark, N. J.
Application November 1, 1945, Serial No. 626,152
5 Claims. (Cl. 308—72)



1. In a spherical bearing comprising outer and inner complementary bearing members having spherically concave and spherically convex bearing surfaces, respectively, said inner bearing member having a cylindrical axial opening, a cylindrical member fitted in said inner bearing member in

said cylindrical opening thereof and having an outer peripheral rib having a spherically convex outer surface portion in bearing relation to said concave surface of the outer bearing member.

2,423,685
COLLAR MOUNTING FOR TEAR-STRIP CANS
John Coyle, Baltimore, Md., and William F. Punte, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,857
2 Claims. (Cl. 220—54)



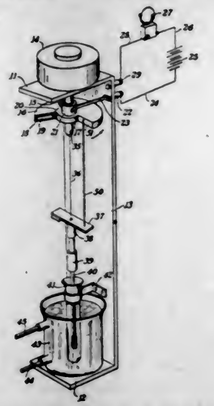
1. In a sheet metal container, a body portion, an upper end closure seamed onto the body portion, said body portion having an S-shaped bead structure adjacent its upper end including an outwardly directed upper bead portion and an inwardly directed lower bead portion, the body portion between said upper bead portion and the closure being scored to provide a tear strip, and a collar snugly fitting within the body and having a main body portion lying opposite and extending above and below the tear strip and a lower raw edge extremity turned outwardly as an anchor into the upper bead portion and into position for engaging as a collar limiting stop against the upper bead portion outwardly of the diameter of the container body portion.

2,423,686
SILICEOUS CONTACT MATERIAL AND PROCESS OF MANUFACTURE
Arthur B. Cummins, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 8, 1942, Serial No. 461,315
7 Claims. (Cl. 252—235)

1. A siliceous contact material comprising spherular granules of aggregated calcined particles of diatomaceous earth impregnated with an active catalyst, at least 80% by weight of said particles being less than 6 microns in size, said particles being adhered together in aggregate granules by a silicate formed in situ, and said granules having a diameter of 1/20–1/2", a resistance against crush loads of 3–20 pounds for an average size granule of 1/16" diameter, and a resistance against structural changes at temperatures of 2200–2600° F.

2,423,687
GEL-POINT INDICATOR
Harry I. Davis and Daniel E. Farwell, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 24, 1944, Serial No. 551,029
2 Claims. (Cl. 177—311)

1. An apparatus for determining the gel-point of cellulose derivative solutions which undergo gelation upon cooling comprising a rotary member immersed in a liquid solution, driving means, means including a torsion wire connecting said driving means to said member to rotate the latter in said solution, a timing plate positively driven in unison with said driving means and formed with angularly spaced edges, an electrical contact positioned on one edge of said edges, means for cooling the solution to gel the latter to thereby increase the resistance of rotation of said member to a point sufficient to cause said member to lag



behind said driving means, a second contact operatively connected to said member and normally engaging the other edge of said plate but movable into engagement with said one edge and said first contact when said member lags a predetermined amount behind said driving means, a signal circuit connected to said contacts and actuated upon the engagement of said contacts to indicate that the gel-point of said solution has been reached, and temperature indicating means positioned in said solution for indicating the temperature of said gel-point.

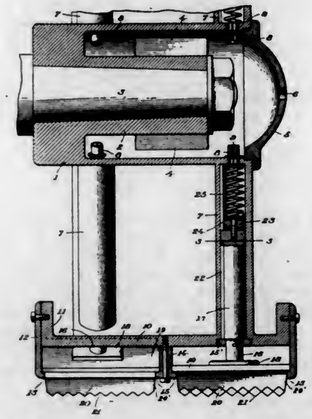
2,423,688
SODA LIME COMPOSITION
Morgan R. Day, North Scituate, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application May 18, 1945, Serial No. 594,594
2 Claims. (Cl. 252—192)

1. A granular absorbent composition consisting essentially of the reaction product of 69.75 parts by weight of hydrated lime, 15 parts by weight of kieselguhr, 5.25 parts by weight of sodium hydroxide, an amount of a copper compound selected from the group consisting of copper sulphate, copper carbonate, cuprous and cupric chloride equivalent in copper to 10 parts by weight of copper carbonate and water in amount sufficient to form a paste.

2,423,689
SODA LIME COMPOSITION
Morgan R. Day, North Scituate, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application May 18, 1945, Serial No. 594,595
2 Claims. (Cl. 252—192)

1. A granular gas absorbent composition consisting essentially of the reaction product of 69.75 parts by weight of hydrated lime, 15 parts by weight of kieselguhr, 5.25 parts by weight of sodium hydroxide, an amount of a zinc compound selected from the group consisting of zinc sulphate, zinc chloride and zinc oxide equivalent in zinc to 10 parts by weight of zinc oxide and water in amount sufficient to form a paste.

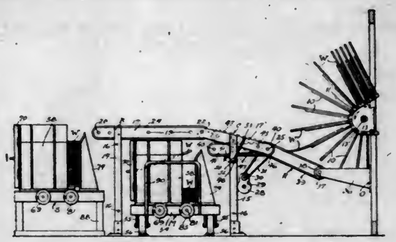
2,423,690
SPRING WHEEL
Charles E. Dickerson, Philadelphia, Pa.
Application October 8, 1943, Serial No. 505,542
1 Claim. (Cl. 152—6)



A wheel of the class described having a hub, said hub having spaced series of hollow spokes extending therefrom, a rim surrounding the hub and to which the spokes are connected, removable ring plates on the sides of the rim having their outer edges formed with inwardly directed flanges, a central ring member fixed on the rim and having its outer edge provided with laterally extending flanges, a piston rod in each spoke and having a reduced end extending therethrough, a flange on said reduced end, a nut screwed in the rim and arranged around the reduced end of each piston rod, a segmental tread member on the said flange of each piston rod having a flanged head to be engaged by the flanges of the ring plates, a piston on the inner end of each rod, a spring in each spoke exerting a pressure against the piston for urging the piston rods outwardly through the spokes, an inwardly opening spring influenced air valve between the inner wall of the hub and each piston and coengaging means between the piston rods and the hollow spokes for holding the piston rods from turning.

2,423,691
STACKING DEVICE
Charles H. Domville, Jr., Glen Ellyn, and Earl E. Gray, Chicago, Ill., assignors to Caspers Tin Plate Company, Chicago, Ill., a corporation of Illinois
Original application February 10, 1944, Serial No. 521,800. Divided and this application November 23, 1944, Serial No. 564,738
9 Claims. (Cl. 271—86)

2. A stacking device comprising a base, upright end walls on said base, front and back side walls on said base, adjusting means on said base for relative shifting of said end walls to determine the distance therebetween for the size of sheets to be received, adjusting means on said base for effecting relative movement of said front and

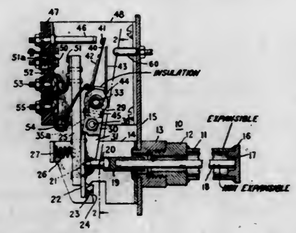


back side walls on said base to determine the distance therebetween for the size of sheets to be received, and manually operable control means for said adjusting means located adjacent each other at one side of said base.

2,423,692
NORMAL SECONDARY NONADECYL SULPHATES
Emil E. Dreger, Summit, and John Ross, Ramsey, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Original application July 9, 1937, Serial No. 152,852. Divided and this application May 26, 1943, Serial No. 488,558
6 Claims. (Cl. 260—459)

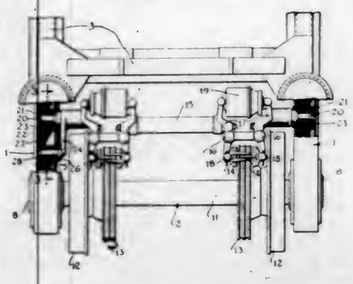
1. A normal secondary nonadecyl sulphate.

2,423,693
REVERSAL RESPONSIVE SWITCH
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1945, Serial No. 575,134
10 Claims. (Cl. 200—137)



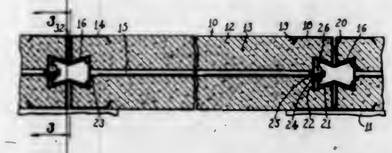
1. A reversal responsive switch having, in combination, a pair of switch contacts, a resilient arm for carrying one of said contacts into and out of abutting engagement with the other of said contacts, a stop for limiting the resilient movement of said arm upon engagement of said contacts, an insulating block having adjustable means for mounting said arm and stop for relative adjustment thereon to predetermine said resilient movement, and a variable condition responsive operating element for reversely moving said block and having a pair of slip friction bearing members adjustably clamping said block therebetween to effect said predetermined resilient movement of said arm before slipping relative to said block.

2,423,694
BRAKE MECHANISM
Carolus L. Eksergian and Paul W. Gaenssle, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 27, 1945, Serial No. 574,892
5 Claims. (Cl. 188—59)



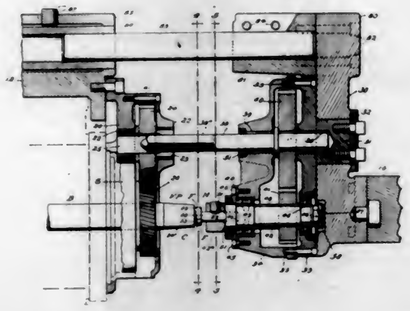
1. In a brake mechanism for vehicles, a wheel and axle assembly, longitudinally extending side members supported adjacent the opposite ends thereof, a brake rotor carried by said assembly, a brake stator adapted to cooperate with said rotor, and a support for said stator extending transversely between said side members and supported at its ends substantially in the vertical planes of symmetry of the respective side members through flexible joint structures arranged in said planes of the respective side members, at least one of said joint structures comprising spaced parts engaging the adjacent side member at spaced points, whereby to transmit braking torque to said member.

2,423,695
BUILDING STRUCTURE
Louis A. Falco, New Haven, Conn., assignor to The Dextone Company, New Haven, Conn., a corporation of Connecticut
Application April 26, 1944, Serial No. 532,699
1 Claim. (Cl. 72—68)



The combination of two slabs of substantial thickness laid edge to edge and provided in their adjacent edges with narrow mouthed dovetail grooves, and sheet metal clips having resilient portions of dovetail formation engaging respectively the grooves of the slabs, said clips permitting an initial setting of the slabs with their adjacent edges spaced from each other, and the walls of the clip engaging the sides of the dovetails of the grooves to resist more than a predetermined separation of the edges of the slabs, each clip being in general in the form of a U and the dovetail portions being formed by indenting the sides of the U, the clip being of a width adjacent the base or connecting portion to permit it to be inserted in the groove of one slab and turned through 90° to engage the dovetail of said groove, the other dovetail portion of the clip being engaged with the dovetail of the other groove.

2,423,696
POLYGONAL GENERATING TOOL
Frank J. Fink, Chardon, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application February 24, 1944, Serial No. 523,712
3 Claims. (Cl. 90—11)

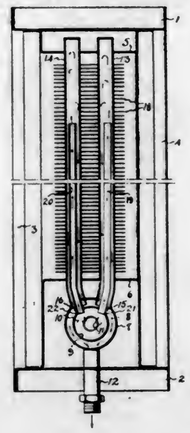


1. In a turret type machine for producing work including a polygonal shape, a frame, a support rotatable on the frame for holding the work for turning about a work axis, a rotatable turret movable toward and from the support in a direction parallel to the work axis, a first gear rotatable about an axis fixed on the frame and eccentric to the work, a second gear, one of said gears having a non-round axial hole at its center, a pin coaxially connected to the other gear and closely conforming to said hole and slidable into and out of the same as the turret moves toward and from the work support in one rotated position of the turret, a gear on the support in driving relation to said first gear, a rocker mounted on the turret for rocking about the axis of said second gear, a cutter mounted on the rocker for rotation about an axis eccentric to the axis of the second gear and connected to be driven by said second gear, and means effective to hold said rocker at a selected rocked position and thereby to determine the spacing between the cutter axis and the work axis; said gears and pin forming a chain of drive connection between the work and the cutter whereby to determine the rate and direction of angular movement of the cutter relative to the work.

2,423,697
METHOD OF ASSEMBLING HEADERS AND TUBES
Edward L. Garfield, Scarsdale, N. Y., assignor to Ice Air Conditioning Co. Inc., New York, N. Y., a corporation of New York
Application December 24, 1943, Serial No. 515,521
3 Claims. (Cl. 29—157.3)

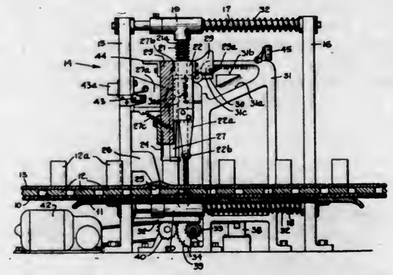
1. A method of assembling headers and tubes comprising the steps of telescoping a pair of said seamless header tubes, said header tubes each having at least two rows of holes in the wall thereof, positioning the inner header with respect to the outer header so that the holes of the inner header are exposed by the holes of the outer header, welding tubes extending through the holes of the outer header in the holes of the inner header by operating through the holes of the outer header, shifting the inner header so that holes of its other row are exposed to respective ones of the holes of the other row of the outer header, positioning the inner header with respect to the outer header so that the holes

of the inner header are exposed by the holes of the outer header, welding tubes extending through the holes of the outer header in the holes of the inner header by operating through



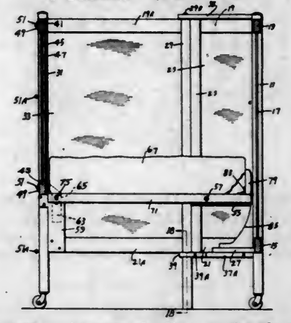
the holes of the outer header, telescoping the larger tubes with said smaller tubes, and welding the larger tubes to the outer header at the holes therein.

2,423,698
STRIP WORKING APPARATUS
Rex L. Hallman, Milford, Conn., assignor of thirty per cent to John W. Hallman, Devon, Conn.
Application September 12, 1944, Serial No. 553,785
19 Claims. (Cl. 164—48)



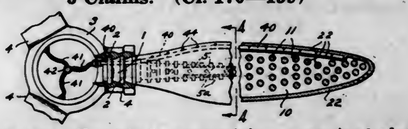
1. Apparatus for cutting a strip of plastic material into pieces of desired size as the latter is fed from a source of supply comprising conveying means for supporting and advancing the strip to feed the strip to and away from a cutting station; a cutter at the cutting station for cutting the strip supported by the conveying means into sections; means operable by the conveyor for automatically causing the cutter to move from a starting position to cut the strip; means for causing the cutter to travel with the cut section carried by the conveying means and in engagement therewith; means for withdrawing the cutter from the strip when the latter reaches a predetermined position in its travel; and means for returning the cutter to starting position ready for the next automatic operation.

2,423,699
FOLDING BED
Walter Hand, Memphis, Tenn.
Application April 5, 1945, Serial No. 586,739
2 Claims. (Cl. 5—99)



1. A folding bed including a back wall, foldable end walls, a detachable front, a mattress and a mattress support frame; said end walls each including a section rigidly attached to said back, and a section hinged to the forward edge of said rigid section and inwardly foldable into parallelism with said back, means respectively pivotally attaching the opposite ends of said mattress support frame intermediate its width to said fixed end sections adjacent the forward edges of said sections, means respectively at opposite ends of said frame adjacent its outer edge, and complementary means carried by said folding sections engageable by said frame means, in open position of said folding sections, for supporting said frame in bed position, and means biased for latching engagement with said frame means in supported position.

2,423,700
PROPELLER BLADE
Gordon W. Hardy, Cleveland Heights, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 16, 1943, Serial No. 491,037
3 Claims. (Cl. 170—159)

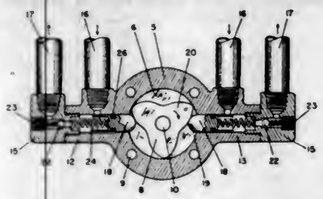


2. A propeller blade comprising a central slotted metallic reinforcing bar tapering outwardly to a tip portion at one end, a perforated sheet metal reinforcing element mounted in the slot in said bar, extending longitudinally of said bar and laterally of the blade, a molded core of organic plastic material surrounding said bar and element and locked thereto by interlocking engagement with the perforations of said element and with the slot in said bar, and a protective metallic armor bonded directly to said plastic core.

2,423,701
PUMP
Gordon W. Hardy, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application January 1, 1945, Serial No. 570,825
7 Claims. (Cl. 103—174)

1. A pump comprising a hollow case, a plurality of piston cylinders rigid with said case and in

communication therewith, a pump piston in each cylinder and a rotatable cam member with a plurality of equally spaced lobes of uniform shape



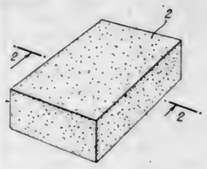
to drive said pistons through a pumping stroke, said pistons and said cam lobes having such position and configuration that the cam applies peak driving force to only one piston at a time.

2,423,702

MOLDED BLOCK OF ACTIVATED CARBON IN A POROUS CASING OF FIREPROOFED CARBON

Coleridge W. Hart, Peekskill, N. Y.

Application September 20, 1944, Serial No. 555,020
1 Claim. (Cl. 252—265)



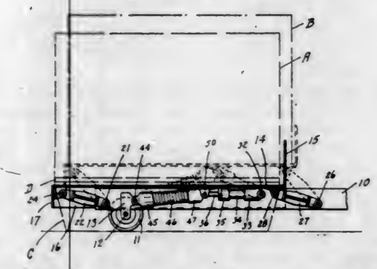
As an article of manufacture, a body of finely-divided activated carbon enclosed in a porous casing composed of a mixture of activated fireproofed carbon, carbonized pitch freed of volatile matter, and infusorial earth.

2,423,703

LIFT TRUCK

John R. Henderson, Indianapolis, Ind.

Application February 1, 1945, Serial No. 575,713
11 Claims. (Cl. 254—10)



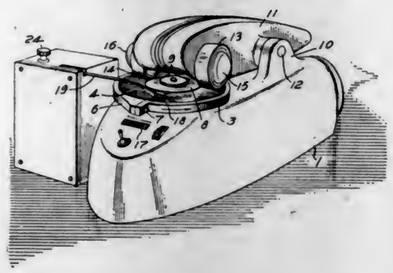
1. In a truck structure having a supporting base means and load lifting means operatively connected together, the combination of a pair of opposed fluid pressure operable means each having the remote end thereof connected to one means and the other end of said fluid pressure operable means connected to the other of the said two first mentioned means and spring power means operatively interposed between the two first mentioned means and normally opposing one of the pressure operable means and assisting the other of said pressure operable means.

2,423,704

FABRIC ABRADING TESTER

Robert L. Hood, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application January 19, 1945, Serial No. 573,530
1 Claim. (Cl. 73—7)



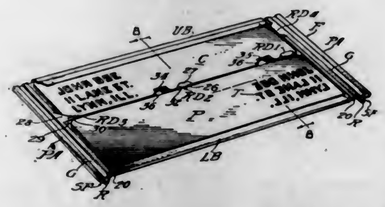
In a fabric abrading machine having a turntable adapted to receive a sample of fabric to be tested, an electric motor for driving the same, means to supply current thereto, an abrading roller having a friction surface adapted to rest on the sample of fabric to one side of the turntable center and be driven thereby, the improvement which includes a circuit interrupting device for the motor and a hook connected therewith, the hook being adapted to rest on the surface of the fabric being tested so that upon failure of the fabric under the action of the abrading roller, the hook will catch in the fabric and further movement of the turntable will, through the instrumentality of the hook, trip the circuit interruption means and stop the turntable driving motor.

2,423,705

MEANS FOR RETAINING AN INDEX CARD AND PRINTING PLATE ON A CARRIER

Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application August 24, 1942, Serial No. 455,901
12 Claims. (Cl. 101—369)



1. A printing device including a carrier, a printing plate and an index card mounted on said carrier in side-by-side relation with marginal portions thereof arranged in juxtaposed relation, retaining means on the carrier disposed between at least parts of said marginal portions, one of said marginal portions being cut away in at least a part thereof to clear said retaining means whereby parts thereof extend past said retaining means to underlie parts of the other of said marginal portions, said retaining means being extended over the marginal portion of which at least a part overlies at least the part of the marginal portion that extends past the retaining

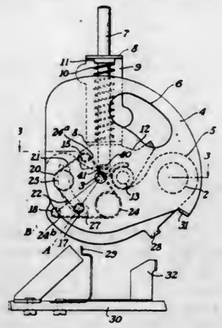
means, and means for securing the marginal portions of the index card and printing plate opposite the juxtaposed marginal portions thereof to said carrier.

2,423,706

BLADE AND COVER BLIND SHUTTER

Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 12, 1945, Serial No. 622,028
6 Claims. (Cl. 95—60)



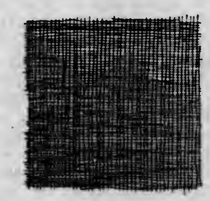
1. A camera shutter comprising an apertured support, a shutter blade pivotally mounted thereon for movement to uncover and cover said aperture to make an exposure, a cover blind pivotally mounted on the support for movement to uncover and cover said aperture, a trigger movably mounted on the support, a shutter blade spring connecting the shutter blade and trigger, a cover blind spring connecting the cover blind and trigger, said trigger setting both springs by moving said springs as the trigger is moved, the connections between the cover blade spring and the cover blade, and the cover blind spring and cover blind being angularly offset with respect to the pivotal mounts of the shutter blade and cover blind whereby movement of the trigger may be set both springs and release only the cover blind spring and means carried by the cover blind for releasing the shutter blade spring whereby the shutter blade may swing upon its pivot to make an exposure.

2,423,707

FABRIC OR GAUZE OF UNIFORMLY OXIDIZED CELLULOSE

William O. Kenyon and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 2, 1945, Serial No. 580,734
6 Claims. (Cl. 139—426)



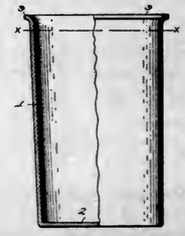
1. Surgical fabric consisting of woven threads of uniformly oxidized cellulose fibers.

2,423,708

METHOD OF SALVAGING METAL CANS

Thomas P. Keogh, New York, and Henry A. Fink, Pelham Manor, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application February 23, 1944, Serial No. 523,594
1 Claim. (Cl. 113—120)



The method of salvaging used metal cans having a drawn body portion closed by seaming an end thereto, comprising severing the body on a line immediately beneath the seam joining the end of the body portion for access to the contents of the can, discarding the portion of the can above the severing line, subjecting the remainder of the can body to a drawing action for lengthening the body wall to its original length and flanging the redrawn body preparatory to reclosure of the same by seaming an end to the flange of the body portion.

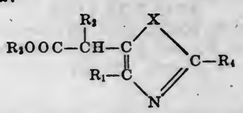
2,423,709

4-ARYL THIAZOLE (AND SELENAZOLE)-5-ACETIC ACIDS AND ESTERS AND PROCESS OF PRODUCING THE SAME

Edward B. Knott, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 24, 1945, Serial No. 584,735. In Great Britain May 18, 1944
13 Claims. (Cl. 260—298)

1. The azole compounds of the following general formula:



wherein R_1 represents a member selected from the group consisting of aryl and 2-thienyl groups, R_2 and R_3 each represents a member selected from the group consisting of hydrogen, an alkyl group, an aralkyl group and an aryl group, R_4 represents a member selected from the group consisting of hydrogen, an alkyl group, a thiol group, an alkylthio group, an aralkylthio group, and an amino group, and X represents sulfur when R_4 has the values recited above and X represents selenium when R_4 represents a member selected from the group consisting of an alkyl group and an amino group.

2,423,710

SENSITIZED PHOTOGRAPHIC EMULSION

Edward B. Knott, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

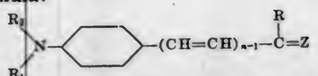
Application April 12, 1945, Serial No. 587,917
In Great Britain May 18, 1944
18 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion sensitized with at least one sensitizing dye selected

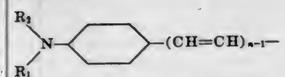
from the group consisting of 2'-cyanine salts and oxacarbocyanine salts and containing, as a super-



sensitizer, at least one compound selected from those which are represented by the following general formula:

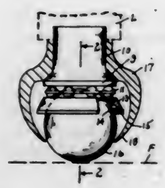


wherein R_1 and R_2 each represents an alkyl group, n represents a positive integer of from 1 to 6, R represents a member selected from the group consisting of hydrogen, an alkyl group, an aralkyl group, an aryl group and a group of the following general formula:



wherein R_1, R_2 and n each represents the values given above, Z represents a member selected from the group consisting of a hydrazono group, an alkylhydrazono group, a dialkylhydrazono group, an aralkylhydrazono group, a diaralkylhydrazono group, an arylhydrazono group, a diarylhydrazono group, a hydroximino group, a carbamylhydrazono group, a thiocarbamylhydrazono group and a guanylhydrazono group when n represents a positive integer of from 1 to 6, and when n represents a positive integer of from 2 to 6, Z represents an oxygen atom in addition to the groups recited above for Z.

2,423,711
BALL-BEARING FOOT FOR FURNITURE AND THE LIKE
Roy R. Knox, New Orleans, La.
Application August 3, 1945, Serial No. 608,621
1 Claim. (Cl. 16—26)



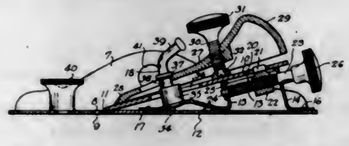
In a device of the character described, the combination of a housing adapted to be attached to the lower portion of an article, a thrust plate inside of said housing, a series of ball bearings in contact with the lower surface of said plate, a thrust plate having its upper surface in contact with said ball bearings, a flange extending downwardly from the periphery of said last mentioned plate, a comparatively large ball below said last mentioned plate, projections extending inwardly from said flange and engaging said ball, and arms extending downwardly from said housing and swaged inwardly for holding said ball in said housing.

2,423,712
INSOLE FOR WELT SHOES
Euclid I. La Chapelle, Brockton, Mass.
Application November 6, 1946, Serial No. 708,008
6 Claims. (Cl. 36—22)



2. An insole for welt shoes as herein shown and described, having, in combination, a sewing rib having an outer flange and an iner flange disposed upon and secured by cementitious material to the peripheral margin of the underside plane face of the body of the said insole; permanent reinforcing sewing rib fastening means disposed at the toepart of the said insole and passing through the cemented outer flange of the sewing rib and entirely through the body of the said insole, but, invariably, leaving the back of toe forepart of the said insole free of such permanent reinforcing sewing rib fastening means; a cover disposed upon the said permanent reinforcing sewing rib fastening means situated at the top side plane face of the body of the said insole; and a reinforcing sewing rib means, in the form of a fabric sheet, disposed upon and secured by cementitious material to the underside plane face of the said insole enclosed by the sewing rib, to the cemented inner flange of the sewing rib and extending towards the top of the inner side face of the sewing rib.

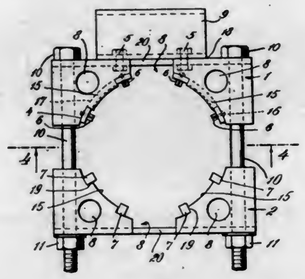
2,423,713
BLOCK PLANE
Raymond P. Lavietes, Shelton, Conn., assignor to Abraham H. Lavietes, Shelton, Conn.
Application November 9, 1944, Serial No. 562,671
2 Claims. (Cl. 145—14)



2. A plane of the character described comprising a base having a transverse slot, a blade inclined to the base having a cutting edge adapted to project through said slot, a support for the blade mounted on the base comprising a substantially flat strap of metal extending longitudinally of the base including an inverted substantially U-shaped portion forming a top wall on which the blade rests, said strap also including supporting feet extending in opposite directions from the lower ends of the side walls of the U-shaped portion fastened to the base, an adjusting means mounted in said support and including means

connected with the blade to adjust the blade on the support, and a clamp above the blade including means for clamping the blade against said top wall.

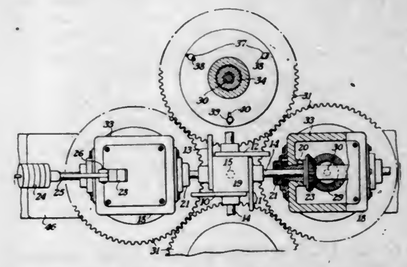
2,423,714
ELECTRODE CLAMP
Laurence Edward Leonard, Trail, British Columbia, Canada, assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application June 29, 1943, Serial No. 492,747
9 Claims. (Cl. 204—297)



1. An electrode clamp including two similar clamp yokes, each of which is comprised of sheet metal in U-shaped channel section having two side walls connected by a base portion, the yokes being positioned at opposite sides of the electrode with the base portions spaced therefrom and the side walls extending from the base portions toward the electrode, a contact plate secured across the distal edges of the side walls of one of said yokes, said contact plate being formed to follow the general shape of the adjacent surface of the electrode, cooperating interlocking means on said distal edges and the contact plate, a plurality of spaced contact bars secured to said contact plate and bearing against the electrode, said contact bars being of higher electrical conductivity than said contact plate and presenting relatively narrow edges for contact with the electrode, current supply means, electrical connections between said contact bars and said current supply means, and means for urging said yokes together to clamp them about said electrode with said contact bars in contact therewith.

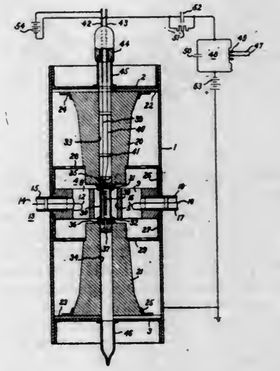
2,423,715
APPARATUS FOR ABRADING SURFACES
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 13, 1945, Serial No. 634,663
4 Claims. (Cl. 51—111)

1. An abrading machine of the type described comprising in combination four plano abrading tools arranged so that their axes lie substantially in the same plane and the plano faces of opposing tools are parallel to one another while the faces of adjacent tools are mutually at right angles, whereby said tools are adapted to simultaneously engage four sides of a rectangular block of work disposed between them, each of said tools being eccentrically mounted on the end of a spindle, whereby a portion of each tool is adapted to overhang the edges of said block as it rotates and intersect the grinding plane of each adjacent tool periodically during rotation, means for normally forcing one of each parallel pair of tools toward the other of said pair, and means for synchronously driving said individual



tools so that they do not interfere with one another.

2,423,716
ULTRA HIGH FREQUENCY MAGNETRON OF THE RESONATOR TYPE
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 20, 1943, Serial No. 479,925
11 Claims. (Cl. 250—36)

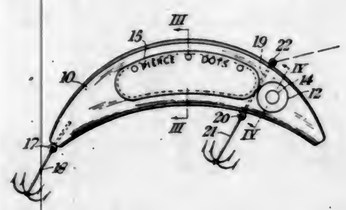


1. An ultra high frequency electric discharge device of the magnetron type comprising a cathode and an anode structure having a central opening through which said cathode extends and having in communication therewith a plurality of space resonant cavities, means for establishing a magnetic field which with an electric field applied across said anode structure and said cathode establishes therebetween a rotating space charge, means for exciting one of said cavities at one frequency, and means for exciting another cavity at a different frequency thereby establishing across said cathode and said anode structure a voltage corresponding to a resultant of the above frequencies.

2,423,717
ARTIFICIAL MINNOW
Stanley J. Mikina, Wilkinsburg, Pa.
Application December 22, 1945, Serial No. 636,570
5 Claims. (Cl. 43—46)

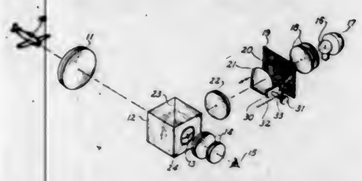
5. In an artificial fish lure, a body comprising a generally crescent shaped member having curved upper and lower surfaces, said body hav-

ing an opening therein extending between the side walls, said opening being of gradually increasing cross-sectional area from the center



line of the body outwardly and being adapted to have detachably secured therein a capsule containing a quantity of fish attracting material.

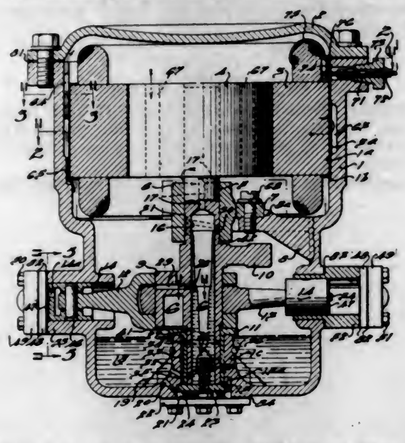
2,423,718
STADIAMETRIC RANGE FINDER
Charles A. Morrison, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 20, 1946, Serial No. 648,973
2 Claims. (Cl. 88—2.3)



1. A stadiametric range finder comprising a housing, means for viewing in a comparison plane an image of the target to be ranged, means carried in the housing for producing a small spot of light, a solid conical lens of transparent refractive material in line with light from the spot, the apex angle of the cone being between 150° and 180°, the axis of the cone being substantially aligned with said spot, means for holding the conical lens and for moving it axially in the housing to and from the spot of light whereby the spot appears through the cone as a ring of light of variable diameter, means including an objective for receiving light from the spot through the cone and for projecting an image of said ring in the comparison plane and range indicative means operated by said cone moving means.

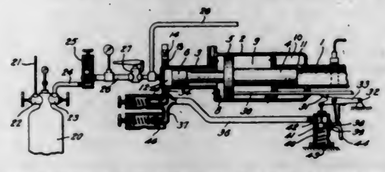
2,423,719
MOTOR-COMPRESSOR UNIT LUBRICATION
Glenn Muffly, Springfield, Ohio
Application January 5, 1940, Serial No. 312,564
8 Claims. (Cl. 230—206)

8. In a sealed motor-compressor assembly, in combination, a gas-tight housing enclosing the working parts of said assembly, a motor including a rotor located in said housing, a compressor having working parts driven by said motor and sealed from atmosphere by said housing, a vertically directed shaft connecting said motor and compressor for driving the latter, a bore in said shaft extending lengthwise of it for at least part of its length, a stationary wall closing an open end of said bore, an oil conduit extending through said wall into said bore at approximately the axis of rotation of said shaft, means for supplying oil to said bore through said oil conduit, and an oil outlet port leading from said bore for



delivery of oil to a bearing surface of said assembly.

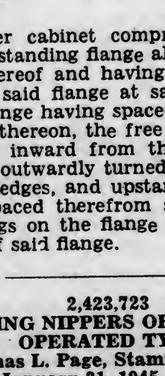
2,423,720
STARTER FOR FREE PISTON MOTOR COMPRESSORS
Paul Müllejans, Lindau, and Franz Neugebauer, Munich-Allach, Germany; vested in the Attorney General of the United States
Application November 12, 1941, Serial No. 418,666
In Germany November 29, 1940
10 Claims. (Cl. 230—56)



1. In a device for starting a free piston motor compressor by means of fluid under pressure, said compressor having a flying mass formed by pistons displaceable in stationary cylinders and forming with said cylinders a plurality of working spaces, the combination of a locking device for holding said flying mass in its dead center position; a container filled with said fluid under pressure; a pipe line connecting said container with a selected one of said working spaces; a releasing device adapted to be influenced by said fluid under pressure and to release said locking device; a second pipe line connecting said selected working space with said releasing device; and means in said second pipe line for releasing fluid pressure from said selected space to said releasing device when the pressure in said space exceeds a predetermined limit.

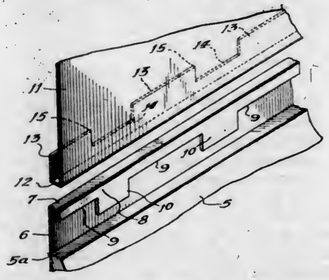
2,423,721
BUCKET SPINNING GUIDE
Seddon C. Nelson, Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 1, 1945, Serial No. 597,070
2 Claims. (Cl. 57—76)

1. A thread guide having a tubular body providing a longitudinal passage for the thread, at least four projections longitudinally spaced within the passage, each extending inwardly in one of four directions at least through the axis of the passage and having a ridge extending transversely of the passage and adapted to engage the



thread, the ridges of at least two adjacent projections being parallel and at least two other adjacent ridges being parallel and substantially at right angles to the first-mentioned parallel ridges.

2,423,722
SHOWER CABINET
Stanley E. Nilson, Chicago, Ill., assignor to Fiat Metal Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 18, 1945, Serial No. 573,331
5 Claims. (Cl. 189—2)



1. A shower cabinet comprising a receptor having an upstanding flange along the back and side walls thereof and having ledges extending inward from said flange at said back and side walls, said flange having spaced downwardly extending lugs thereon, the free ends of said lugs being spaced inward from the flange, cabinet walls having outwardly turned lower edges resting on said ledges, and upstanding lugs on the said walls spaced therefrom and engaging between the lugs on the flange and the upstanding portion of said flange.

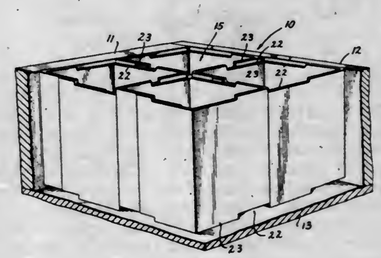
2,423,723
PRUNING NIPPERS OF THE PULL OPERATED TYPE
Thomas L. Page, Stamford, Conn.
Application January 31, 1945, Serial No. 575,384
6 Claims. (Cl. 30—190)

1. A cutter of the character described comprising an elongated handle, a rod protruding longitudinally from the handle, a sleeve having an opening in one end through which the rod projects, said rod extending through the tube, a hollow head detachably secured to the outer end of the tube and receiving the adjacent end of the rod, said head having a slot, a bell-crank shaped cutter pivotally secured in the head and provided



with a cutting edge along one leg portion thereof, a pivotal connection between the opposite leg portion of the cutter and the adjacent end of the rod, said head being provided with an inclined strike opposed to the cutting edge of the cutter, spring means in the tube engageable with the rod for retaining the blade in retracted position.

2,423,724
PLANT PROPAGATING POT AND METHOD OF MAKING SAME
Floyd G. Paxton, Riverside, Calif.
Application January 1, 1945, Serial No. 570,837½
5 Claims. (Cl. 47—37)



1. A paper plant propagating pot comprising a square paper tube having castellated upper and lower edges exhibiting alternate protrusions and recesses, the protrusions of said bottom edge providing balanced supporting feet for said pot, the recesses of said bottom edge providing drainage from said pot, a protrusion of said upper edge on a given side of the pot being adapted to lie opposite and extend above a recess of the upper edge of another such pot placed in side by side relation therewith.

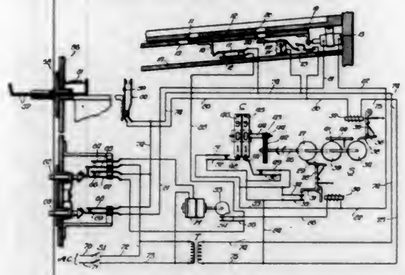
2,423,725

ADD AND SUBTRACT COUNTER AND CONTROL DEVICE FOR A GAME APPARATUS

Frederick A. Poole, deceased, late of Barrington, Ill., by American National Bank and Trust Company of Chicago, and Paul L. Poole, Chicago, Ill., executors, assignor to Production Instrument Company, Chicago, Ill., a corporation of Illinois

Original application July 23, 1941. Serial No. 403,615, now Patent No. 2,368,874, dated February 6, 1945. Divided and this application November 26, 1943, Serial No. 511,789

9 Claims. (Cl. 273—118)



4. In a game apparatus, a numerical counter, means responsive to the deposit of a coin for advancing said counter, an electromagnetic device for placing the game in playing condition, a circuit for said device prepared by the operation of said counter, and a switch controlled by the player for closing said circuit.

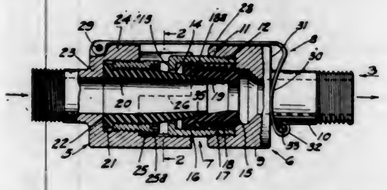
2,423,726

QUICK BREAKING UNION FOR PIPE ENDS

Joe Prata, Torrance, Calif.

Application June 7, 1945, Serial No. 598,102

3 Claims. (Cl. 285—170)



1. In a quick breaking union for pipe ends, a pipe end member having a terminal head formed by enlarging the diameter of the pipe and thickening a portion of its wall, said thickened wall portion terminating at its outer end in a peripheral internally screwthreaded flange, a cup-shaped member having a bottom with a circular axial opening therethrough, the end portion of said member opposite to its bottom being screwed into the threaded portion of said flange, an open-ended tubular female sealing member having one end slidably fitted within the thickened wall portion of the aforesaid head and having an exterior flange around its opposite end which fits with an adjustive fit within said cup-shaped member, thereby forming a closed-in annular space within the latter member, a spiral spring in said space acting against the last mentioned flange, said female member having an outwardly increasing frusto-conical space within its flanged end portion, an open-ended tubular male sealing member which extends through the aforesaid bottom opening of said cup and has an exteriorly tapered end portion swedged in a fluid-tight manner into said frusto-conical portion of the female member, said male member having an external flange around its opposite end, a second pipe end member having a head formed by thickening one of its end portions and an annular shoulder within said head against which the flanged end portion of said male member abuts, a compression collar screwed into said head of said male member and clamping said flanged portion of said male member against the latter shoulder, clamping means operatively related to said pipe end heads to draw them toward each other under compression, and a plurality of circumferentially spaced apart guide fingers carried by the second mentioned pipe end head and externally overlying the bottom portion of said cup-shaped member.

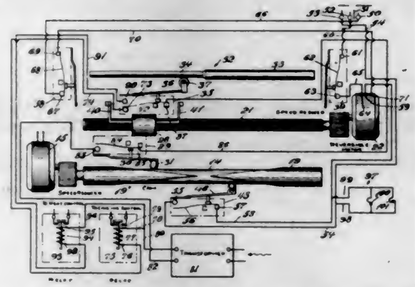
2,423,727

THROTTLING DEVICE FOR TWO OPPOSED ELECTRICALLY CONTROLLED FORCES

John Richard Rafter, Sharon, Mass., assignor to Providence Braid Company, a corporation of Rhode Island

Application November 13, 1945, Serial No. 628,193

9 Claims. (Cl. 171—97)



9. A throttling device for two opposed electrically controlled forces comprising a constant speed shaft, switch actuating surfaces on said shaft, a threaded shaft, a rider actuated thereby to move longitudinally along said constant speed shaft, a switch carried by said rider to be actuated by said actuating surfaces, a pair of circuits both including said switch, and a second switch actuating longitudinally extending surface and another switch carried by said rider having an arm to move along said second surface to complete one or the other of said pairs of circuits dependent upon the portion of the second surface said arm engages.

2,423,728

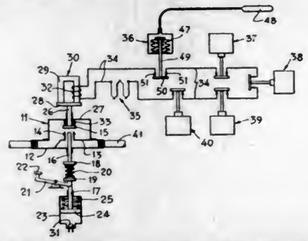
ENGINE CONTROL SYSTEM

William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation

Application November 8, 1943, Serial No. 509,455

4 Claims. (Cl. 123—198)

4. In a safety control system for an internal-combustion engine: a valve for controlling supply of fuel to said engine, means biasing said valve to closed condition, manual means for opening said valve, an electromagnet effective when energized to maintain said valve in open condition against the force of said bias only after the valve is first opened by said manual means, a thermoelectric generating device for energizing said electromagnet and having a hot junction subjected to the heat produced by combustion in the engine, a circuit interconnecting said thermoelectric generating device and said electromagnet, a device responsive to a condition necessary to the continued proper operation of the engine for so controlling said circuit that the electromagnet is deenergized when said condition becomes abnormal, and a time-delay device activated by the operation of said manual means for independently maintaining said valve in open condition for an interval sufficient to permit proper heating of said thermoelectric generating device when the engine is operated.



2,423,729

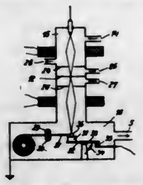
VAPORIZATION OF SUBSTANCES IN A VACUUM

Rudolf Rühle, Stuttgart-Zuffenhausen, Germany; vested in the Attorney General of the United States

Application January 18, 1940, Serial No. 314,565

In Germany February 22, 1939

9 Claims. (Cl. 219—19)



5. The method of vaporizing a substance in a vacuum, comprising producing electronic rays with a source located within a zone maintained at sub-atmospheric pressure, placing a vaporizable substance within said zone in spaced relation to said source of electronic rays, and modifying the normal path of travel of rays emitted by said source by passing rays from the source through a field of force to converge and concentrate said rays onto the vaporizable substance whereby to heat the latter and cause it to vaporize.

2,423,730

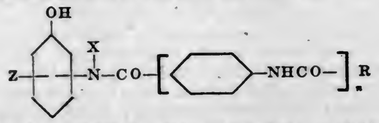
ACYLAMINO PHENOLS

Ilmari F. Salminen and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 8, 1944, Serial No. 539,397

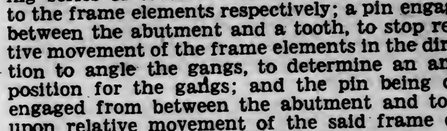
7 Claims. (Cl. 260—559)

1. A compound having the formula:



where X is selected from the class consisting of hydrogen and alkyl groups, R is selected from the class consisting of alkoxyphenyl, phenoxyphenyl, alkylphenoxyphenyl, phenoxyalkyl and alkylphenoxyalkyl groups, n is selected from the group consisting of 0 and 1, Z is selected from the class consisting of hydrogen, halogen and hydrocarbon, the hydrocarbon is attached to the phenol nucleus in a position selected from the class consisting of 5- and 6-positions with respect to the hydroxyl group and the nitrogen atom is attached to the phenol nucleus in a position selected from the class consisting of 2- and 3-positions with respect to the hydroxyl group.

7. A compound having the formula:



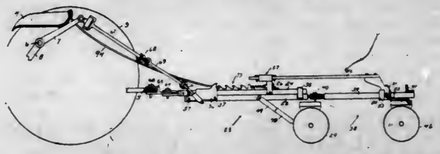
2,423,731

ADJUSTING MEANS FOR SOIL WORKING IMPLEMENTS

Fredrick W. Schiefelbein, Berea, Ohio, assignor to The Dunham Company, Berea, Ohio, a corporation of Ohio

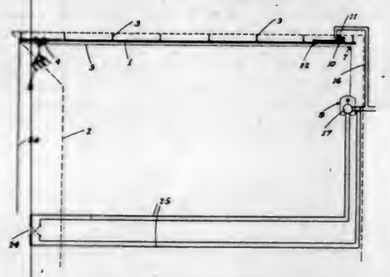
Application April 27, 1944, Serial No. 532,927

8 Claims. (Cl. 55—83)



1. In a disc harrow arranged to be propelled by a tractor, and having a main forward draft hitch and an auxiliary forward draft hitch; a frame comprising two frame elements movable forwardly and rearwardly relative to each other; a gang of discs pivotally supported on the frame and movable to soil working angle positions upon relative forward movement of one frame element and relative rearward movement of the other, and movable to minimum angle transport positions upon relative forward movement of the said other frame element and relative rearward movement of the said one frame element; said relative movements being effected by a connection from the said one frame element to the main draft hitch of the tractor, and by a connection from the said other frame element to the auxiliary draft hitch of the tractor; means associated with the tractor to apply said auxiliary draft or discontinue its application; a forwardly and rearwardly extending series of teeth and an abutment connected to the frame elements respectively; a pin engaged between the abutment and a tooth, to stop relative movement of the frame elements in the direction to angle the gangs, to determine an angle position for the gangs; and the pin being disengaged from between the abutment and tooth upon relative movement of the said frame elements in the other direction and mechanism for positioning the pin for engagement between the abutment and teeth selectively when the pin has been disengaged as aforesaid, comprising a movable pin carrier, a movable support for the pin on the carrier, means actuated by movement of the carrier for moving the pin on the carrier into and out of a position in which it is engageable with the teeth, and means to move the carrier comprising a connection extending forwardly therefrom toward the tractor.

2,423,732
HAY UNLOADING APPARATUS
Manuel O. Souza, Newman, Calif.
Application May 28, 1945, Serial No. 596,125
3 Claims. (Cl. 212—86)



1. A hay storing apparatus comprising, with a storage structure an overhead track in said structure extending rearwardly from the front thereof, a hay supporting member, a carriage movable along the track from which the member is suspanded, a cable hoist connected to the carriage for moving the same along the track, an electric motor for operating the hoist, a circuit for the motor, a manual switch in the circuit, another normally closed switch in the circuit, and means functioning upon arrival of the carriage at the rear end of the track to open said other switch.

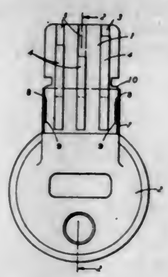
2,423,733
ROTARY WING AIRCRAFT WITH MECHANICAL BALANCING FOR FLAPPING
Edward A. Stalker, Bay City, Mich.
Application July 16, 1943, Serial No. 494,914
12 Claims. (Cl. 170—160)



1. In an aircraft of the direct lift type, a blade, means for supporting said blade on the aircraft for rotation about an upright axis, additional means for supporting said blade for flapping movement with respect to said axis, said flapping movement producing a force acting in a direction transverse to said axis, means providing for displacing the center of gravity of said blade relative to said upright axis, and means movable in coordinated relation with said flapping movement and cooperating with said displacing means for causing displacement of the center of gravity of said blade to develop a centrifugal force component opposing and substantially balancing said transverse force.

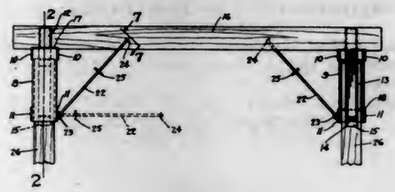
2,423,734
KEY
Bernard Sterner, London, England
Application April 23, 1945, Serial No. 589,839
In Great Britain May 10, 1944
6 Claims. (Cl. 70—411)

1. A key comprising a holder, a plurality of grooves in said holder, bits disposed in said grooves, lugs formed integral with the holder projecting into said grooves, recesses in said bits in which said lugs engage and an initially separate sleeve which surrounds the holder and the inner ends of the bits and secure the bits in the



grooves with their recesses engaged with the lugs.

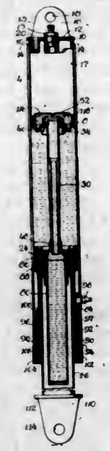
2,423,735
TRESTLE CLAMP
Harold D. Strand, St. Paul, Minn.
Application December 6, 1945, Serial No. 633,223
7 Claims. (Cl. 304—5)



1. A trestle clamp adapted to secure together a pair of supporting legs and a transverse beam in clamped assembled relation, comprising a pair of spaced outer members, means rigidly connecting the outer members to each other to provide a hollow structure, a pair of relatively movable clamping elements positioned within the structure to permit insertion of one of said supporting legs at each side between an outer member and a clamping element, the elements being spaced apart at their upper ends to receive said transverse beam, clamping means carried adjacent the lower end of each element to engage an adjacent side of an inserted leg whereby, upon forced relative movement of the clamping elements and structure, the legs and beam are securely held in clamped relation.

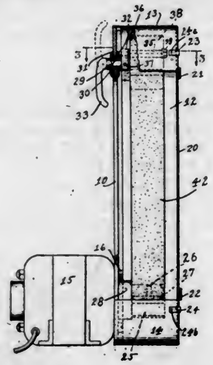
2,423,736
SHOCK STRUT
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 29, 1943, Serial No. 480,900
30 Claims. (Cl. 267—64)

10. In an oleo pneumatic shock strut, a cylinder having a cylinder head at one end, a piston guide at the opposite end and an intermediate bulkhead, a piston supported in said guide for reciprocal movement with said cylinder, and a substantially noncompressible liquid and a pressure gas confined within said cylinder, said piston having at its upper end an orifice plate supporting a metering pin chamber open to said cylinder, said bulkhead supporting a hollow metering pin receivable within said chamber and affording a passage for said liquid from said chamber into the portion of said cylinder above said bulkhead, said bulkhead having a valve auto-



matically closing as said strut is compressed and automatically opening as said strut is released.

2,423,737
BELT ABRADING MACHINE
John B. Tavano, Waterbury, Conn., assignor to The Tavano Aero Engineering Co., Waterbury, Conn., a corporation of Connecticut
Application May 3, 1945, Serial No. 591,757
4 Claims. (Cl. 51—135)

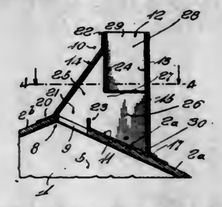


1. In an abrading machine, a U-shaped casing open at one side and having a base, a motor attached to the rear of said casing and having a horizontal shaft, a pulley mounted on said motor shaft, a vertical rockable arm pivotally mounted at the top of said casing and having a handle for operating the same, a horizontal upper shaft secured to said rocking arm on an offset axis eccentric from the pivotal axis of said arm and located within said casing, a releasable pulley rigidly secured to said upper shaft, an abrasive belt passing around said pulleys, and a stop pin secured to said casing in the path of said arm at a point just behind the line passing through the axes of said motor shaft pulley and rockable arm, said upper pulley being releasable by forcing it forwardly past said line in a direction away from said stop pin.

2,423,738
FORGEABLE ALLOY FOR HIGH-TEMPERATURE USE
Rudolf H. Thielemann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 1, 1941, Serial No. 381,377
8 Claims. (Cl. 75—128)

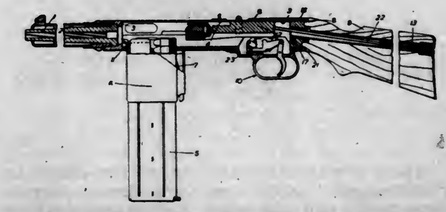
1. A forgeable alloy containing about 0.30% to 0.60% carbon, about 0.30% to 1.50% manganese, about 0.40% to 0.60% silicon, about 12% to 18% chromium, about 20% to 40% nickel, about 2% to 8% molybdenum, about 1% to 5% columbium with the remainder substantially all iron.

2,423,739
VENTILATOR FOR BUILDINGS
George Tillman, Kingsville, Tex.
Application February 19, 1945, Serial No. 578,608
5 Claims. (Cl. 98—42)



1. A ventilator of the character described comprising an oblong rectangular body of truncate-triangular form in cross section and including a bottom, side walls and end walls and having an air inlet compartment opening outward through its bottom, an air outlet compartment opening outward through its top said compartments being arranged out of vertical alinement with each other, a partition extending upwardly from its bottom and separating the lower portions of the compartments, a partition extending downwardly from its top and disposed in spaced relation to the first-named partition, to form therewith a passage between the compartments above the bottoms thereof, the second-named partition serving as a deflector to direct any moisture entering the top of the air outlet compartment toward the bottom of said compartment, and drain outlets from the air outlet compartment arranged below the level of said passage.

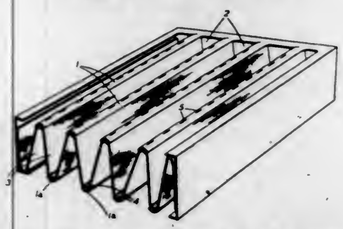
2,423,740
MEANS FOR ASSEMBLING THE BODY AND BUTT OF AUTOMATIC FIREARMS
Josef Veselý, Winchmore Hill, London, England
Original application March 4, 1942, Serial No. 433,322. Divided and this application July 17, 1943, Serial No. 495,097. In Great Britain June 10, 1941
2 Claims. (Cl. 42—75)



2. A firearm having a butt, a tubular gun body and a butt holder for detachably connecting said

butt to said gun body, said butt holder being of generally cylindrical tubular form and constructed to receive and hold in the opposite end portions thereof the rear end portion of said gun body and the forward end of said butt, respectively, and including between its ends a transverse wall provided in its surface facing towards the body end of said butt holder with a deep annular axially open groove shaped to receive therein the rear end of the tubular gun body, and a securing pin passing through registering holes provided respectively in the gun body and butt holder for the purpose of locking the butt holder and gun body together.

2,423,741
FILTERING DEVICE
Cecil Gordon Vokes and Arthur Albert Smith, Guildford, England, assignors to Vokes Limited, Guildford, Surrey, England
Application December 11, 1944, Serial No. 567,608
In Great Britain July 1, 1943
1 Claim. (Cl. 183—71)



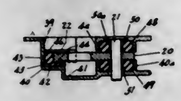
A filter including a slotted plate comprising parallel integrally connected channeled bars in spaced relation, as screen of deeply crimped formation having a plurality of offset oppositely disposed bends, the bends at one side of the screen underlying and nesting with said channeled bars, a second plate comprising parallel integrally formed channeled bars which are offset with respect to the first mentioned bars so as to underlie and nest with the screen bends at the opposite side of the screen, an independent bar nested with and extending the length of the inner side of each screen bend to form with the outer bars a supporting and wear resisting binding for each of said screen bends, and tying elements extending through the screen and the inner and outer bars at each screen bend to maintain the bars and screen in relatively fixed relation.

2,423,742
RIBBON POSITIONING MEANS FOR WRITING MACHINES
Adolph F. von Soden, Los Angeles, Calif.
Application August 13, 1943, Serial No. 498,447
2 Claims. (Cl. 197—156)



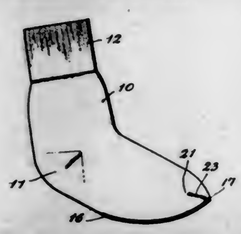
1. In a vibrator attachment of the class described adapted to be used for guiding a typing ribbon past a printing point, comprising a ribbon guide means, a base in said guide means, a cut out section in said base, a pair of boss member means disposed at each side of said base, a slidable rod means disposed in each of said boss member means and extending outwardly therefrom, a spring means at each end of said rod means, a spring holding means at each end of said rod means for holding said spring means in position, an extension at each upper end of said rod means having a boss member, and back brace means attached to said boss member of said rod means for holding said ribbon holding guide means in position, on the vibrator.

2,423,743
FIFTH WHEEL COUPLING MEANS
George Walther and Elmer L. Miller, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio
Original application August 5, 1940, Serial No. 351,540. Divided and this application August 1, 1944, Serial No. 547,538
9 Claims. (Cl. 280—33.1)



1. In coupling means for tractor-trailer vehicles, in combination, a fifth wheel member for cooperation with a king pin, coupling means on the fifth wheel comprising a jaw adapted to be impinged by and to lock a king pin into cooperation with the fifth wheel, a supporting plate carrying said jaw, and resilient means mounting said supporting plate with respect to said fifth wheel, said resilient means permitting yielding movement of the supporting plate relatively to the fifth wheel incident to impingement and locomotion stresses transmitted to the jaw through the king pin.

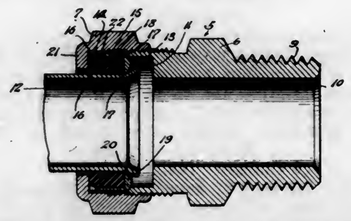
2,423,744
TOE CLOSING FOR SOCKS AND THE LIKE
Gary T. Whitlock, Hendersonville, N. C.
Application August 31, 1944, Serial No. 552,054
1 Claim. (Cl. 2—239)



The method of forming the end of a foot piece of the character described consisting in producing a tubular blank, flattening the same to form creases midway of the top and bottom of the foot piece, cutting off the lower corner of the blank on a curved line extending from the crease at the bottom a substantial distance from the extremity of the blank, and extending upwardly thereon to a distance short of the upper crease, securing the edges thus formed together to form a lower curved seam, flattening the upper portion of the sock above said seam in a plane transverse to that on which the sock was flattened initially, and trimming off the outer end portions of the blank on a curved line extending from side to side and extending rearwardly a shorter distance than

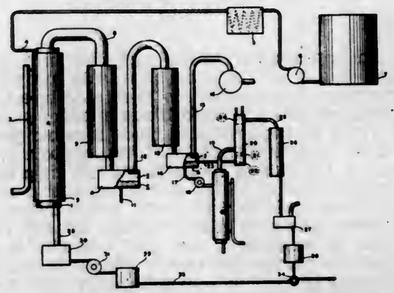
the first cut, and lying immediately adjacent the termination of the first cut at the extremity of the blank, and securing to each other the edges thus formed by the last mentioned transverse cut, for the purposes described.

2,423,745
FLEXIBLE COUPLING
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1944, Serial No. 564,578
1 Claim. (Cl. 285—90)



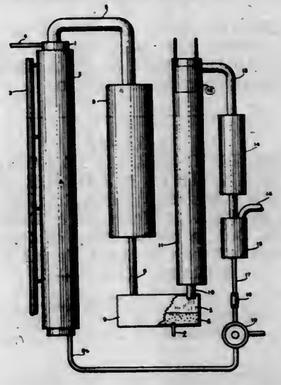
A flexible coupling for a tube having an enlarged end, comprising coupling members having threaded engagement with each other for housing the enlarged end of a tube, said coupling members defining therebetween an annular chamber, a packing member disposed within said annular chamber and surrounding said tube in the region of the enlarged end, and a sleeve surrounding said packing member and having an inwardly extending flange at one end in contact with the tube adjacent the enlarged end thereof and abutting against one of the coupling members, the other end of said sleeve abutting against the other coupling member upon relative movement of said coupling members toward one another to tightly press the packing against the tube adjacent the enlarged end whereby said tube is resiliently supported in said coupling and positively restrained from withdrawal therefrom.

2,423,746
METHOD FOR THE EVAPORATION AND CONCENTRATION OF LIQUIDS
George G. Zahm, Buffalo, N. Y., assignor to Hurd Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1943, Serial No. 489,224
6 Claims. (Cl. 99—205)



1. The method of concentrating liquids such as fruit juices, beverages, extracts, and infusions which comprises continuously flowing the liquid at high velocity over a heat exchange surface under vacuum and thereby continuously separating the liquid into a concentrate portion and a vapor portion, continuously fractionally condensing the vapor portion without breaking the vacuum to recover therefrom a concentrated fraction containing volatile flavor-producing ingredients originally present in such liquid food product, and continuously reintroducing such concentrated fraction into the concentrate portion without breaking the vacuum.

2,423,747
METHOD FOR THE EVAPORATION AND CONCENTRATION OF LIQUIDS
George G. Zahm, Buffalo, N. Y., assignor to Hurd Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1943, Serial No. 489,225
3 Claims. (Cl. 99—205)

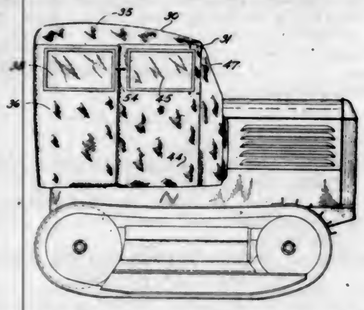


1. The method of concentrating liquid food products such as fruit juices, beverages, extracts and infusions, which method comprises rapidly flowing the liquid food product in a thin film over a heat exchange surface under high vacuum and thereby separating said liquid food product into a concentrate portion and a vapor portion containing volatile flavor producing ingredients, passing said vapor portion directly into a first condenser without breaking the vacuum and thereby initially reducing the water content of the vapor portion without materially condensing the flavor-producing constituents, passing the residual vapors directly into a reflux condenser without breaking the vacuum and thereby finally condensing substantially all of the residual vapors to form a concentrated liquid fraction containing the flavor producing constituents, and re-introducing said liquid fraction into the concentrate portion thereby restoring to such concentrate portion the flavor producing ingredients originally therein present.

2,423,748
COLLAPSIBLE TOP FOR VEHICLES
Ernest Acheson, Cleveland, Ohio
Application December 2, 1943, Serial No. 512,536
4 Claims. (Cl. 296—107)

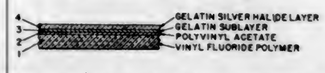
1. In a vehicle embodying a windshield stanchion, a demountable top therefor comprising an articulated frame, a canvas top, a bolt rope in the forward edge thereof, a tube having a slot therein throughout the length of the lower face thereof mounted on said stanchion, the diameter of said bolt rope and the encircling portion of the canvas top being smaller than the inside di-

ameter of said tube, the width of said slot in the tube being approximately the thickness of the canvas top, said tube being straight and open



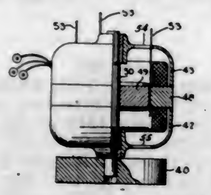
at both ends, whereby an end of said bolt rope may be entered into said tube and drawn longitudinally therethrough to effect the securement of said top upon said stanchion.

2,423,749
PHOTOGRAPHIC ELEMENTS COMPOSED OF ORIENTABLE VINYL FLUORIDE POLYMERS
Paul Rolland Austin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 16, 1944, Serial No. 526,800
1 Claim. (Cl. 95—9)



A flexible photographic film element comprising a transparent flexible support composed essentially of orientable polyvinyl fluoride which has a softening point above 150° C., having superposed thereon in order a thin layer of polyvinyl acetate, a sublayer of gelatin and a gelatino-silver halide emulsion layer the said thin layer of polyvinyl acetate being interunited with the said support and the said sublayer whereby there is a high degree of adhesion between the support and gelatin coating.

2,423,750
METHOD OF ASSEMBLING ELECTRIC MOTORS
Ralph L. Benson, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application July 3, 1943, Serial No. 493,359
4 Claims. (Cl. 29—155.5)



1. The method of manufacturing motors which comprises providing a pair of end frame members having journal bearings therein with accurately dimensioned inner surface portions, providing a stator with an accurately dimensioned inner surface portion, positioning said parts with an external surface of the stator in juxtaposed relation to an external surface of each of said frame members, arranging and maintaining said parts with the annular inner surface of the stator in coaxial relation to said inner surface portions of the journal bearings solely by accurately dimensioned gauge means engaging said inner surface portions, and fixedly securing an external surface of said stator to an external surface of each of said frame members while said parts are held with said inner surface portions in said juxtaposed coaxial relation.

2,423,751
METHOD OF SEPARATING POLYMERS OF HEAT POLYMERIZED DRYING OIL
Isidor M. Bernstein, Brooklyn, N. Y., assignor, by mesne assignments, to H. D. Roosen Company Inc., Brooklyn, N. Y., a corporation of Delaware
No Drawing. Application August 29, 1944, Serial No. 551,786
4 Claims. (Cl. 260—428.5)

1. The method of separating polymeric fractions of heat polymerized drying oil which comprises extracting said polymerized oil successively with progressively higher homologues of a saturated aliphatic primary alcohol, said alcohol and homologues having from three to six carbon atoms, and separating the respective extractions.

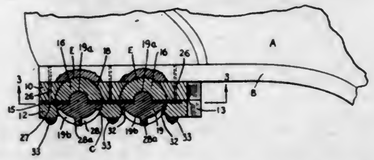
2,423,752
AIRSCREW
David Biermann, Hampton, Va.
Application October 2, 1942, Serial No. 460,509
6 Claims. (Cl. 170—135.6)



1. An oppositely rotating propeller unit comprising two propellers, each of said propellers comprising a hub adapted to be rotated by a driving member and a pivoted blade member carried and driven by the hub, said blade member pivoting about an axis inclined with respect to a plane normal to the axis of rotation and having a blade the neutral axis of which is inclined with respect to the pivot axis of the blade which intersects said pivot axis at a place radially spaced from the axis of rotation of the hub, whereby to determine the pivotal position of the blade and the pitch angle thereof by opposed centrifugal forces acting on said blade member and driving torque forces, a common driving member, and means for interconnecting the hub of each of said propellers with each other and with said common driving member to cause said hubs to be rotated in opposite directions at the same absolute speeds.

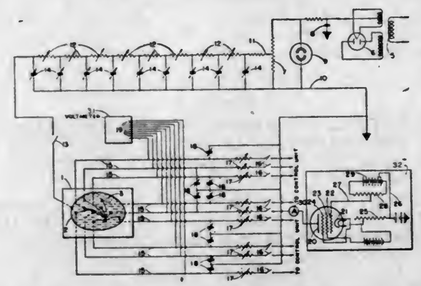
3. An airscrew comprising a hub adapted to be rotated by a drive shaft, a blade pivotally carried by said hub to turn about a pivot axis inclined with respect to the plane of rotation of the airscrew, said pivot axis intersecting the neutral axis of the blade at a place radially spaced from the axis of rotation of the airscrew, and a weight carried by said blade and having its center of gravity located in a quadrant traversed by a line normal to the chord of the representative section of the blade for exerting a twisting moment due to centrifugal force acting to increase the blade pitch.

2,423,753
SHOE HEEL
William W. Brooks, New York, N. Y.
Application March 11, 1946, Serial No. 653,594
14 Claims. (Cl. 36—35)



1. A shoe having a heel and a heel lamination of the same contour as the heel and operatively attached thereto overlappingly, a washer interposed between the heel and its lamination, and a plurality of globular rubber tread elements rotatably mounted in said heel and heel lamination and having radiating fins formed thereupon as tread surfaces spaced beow said lamination, and means confining said globular elements within said lamination.

2,423,754
ANALYZER FOR SUBTERRANEAN FLUID RESERVOIRS
William A. Bruce, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 28, 1943, Serial No. 504,109
4 Claims. (Cl. 235—61)

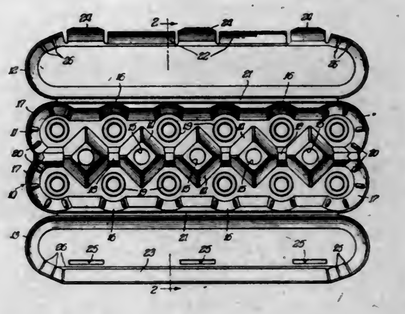


1. An electrical counterpart for a subterranean reservoir undergoing production comprising a source of power representative of the pressure under which said reservoir produces, terminal points connected to said source of power to represent points of withdrawal of fluid from said reservoir, electrical elements between said terminal points and said source of power constituting electrical equivalents of resistance to the flow of fluid in said reservoir and storage capacity of sections thereof, current-consuming elements connected to said terminal points capable of adjustment to reproduce the flow of fluid from the withdrawal points of said reservoir, electrical elements between said terminal points and said current-consuming elements constituting electrical counterparts of factors involved in the flow of fluid at said withdrawal points and indicating devices to indicate the response of certain elements of said network to variations in certain other elements thereof.

2,423,755
BONDING RUBBER TO METAL BY ADHESIVE POLYMER
John D. Calfee, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 24, 1943, Serial No. 511,556
13 Claims. (Cl. 154—82)

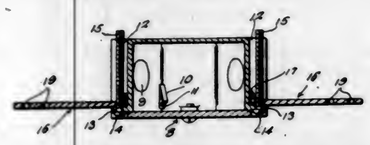
1. A structure comprising a base solid, a resin body attached thereto and adhesive film therebetween comprising a cyclicized polymethylpentadiene.

2,423,756
MOLDED FIBRE ARTICLE
Merle P. Chaplin, South Portland, Maine
Application December 17, 1943, Serial No. 514,684
9 Claims. (Cl. 229—28)



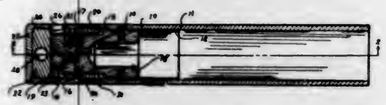
1. A molded fibre egg carton comprising: a carton body having relatively rigid outer side walls provided at spaced apart distances longitudinally thereof with internally concave egg engaging portions and said body having a bottom provided, between said side walls, with integral projections extending into the confines of the body in staggered relation to the concave egg engaging portions of the side walls and presenting to eggs, positioned between said concave egg engaging portions and said projections, relatively yieldable surfaces adapted to bend to compensate for eggs of different diameters, said body being provided with relatively rigid multiple bowed end walls connecting the opposite ends of the side walls to provide within said end walls additional internally concave egg engaging portions facing yieldable surfaces of the end projections interiorly of the body, and covers integrally hinged to the opposite side walls of the carton body, said covers having bowed ends of greater radius than the adjacent bow in the end walls of the carton body when the covers are open and provided with integral bendable sections to cause the bowed ends of the covers to conform with the multiple-bowed end walls of the body when the covers are closed.

2,423,757
ADJUSTABLE OUTLET BOX SUPPORT
Ottomus G. Dedge, Alma, Ga.
Application January 11, 1944, Serial No. 517,845
3 Claims. (Cl. 220—3.9)



1. An outlet box including a shell having substantially diametrically opposite channels constituting keyways, perforated lugs in said keyways, feed-screws in said keyways mounted for rotation through said lugs, a pair of hanger arms having their inner ends formed with transversely arcuate end edges and extending into said keyways and provided with screw-threaded holes, the feed-screws being threaded through said holes, and the inner ends of said arms being formed with arcuate upstanding lips along their end edges to bear against walls of the keyways and guide movement of the arms through the keyways.

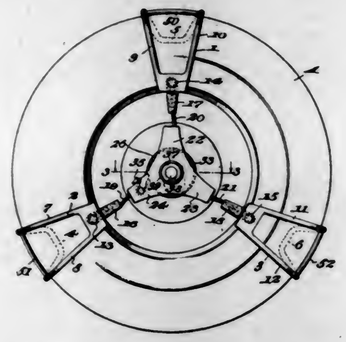
2,423,758
ELECTRODE HOLDER
Thomas S. Donnelly, Detroit, Mich.
Application April 10, 1944, Serial No. 530,376
2 Claims. (Cl. 219—8)



1. An electrode holder of the class described comprising a metallic, substantially cup-shaped, internally threaded member having a radial opening formed therein for reception of the butt end of an electrode; an insulating covering for said cup-shaped member and having an opening registering with the opening in said cup-shaped member; a presser member having a socket formed in one end for reception of the end of an electric conductor and threadable at its opposite end inwardly and outwardly of said cup-shaped member, said cup-shaped member being adapted, upon inward threading of said presser member, for overlying a portion of said socket; a wear plate mounted on said presser member and overlying the inner face thereof and having a face opposed to the inner face of the base of said cup-shaped member substantially parallel thereto, the inner end of said presser member having a socket formed concentrically thereof; a stud concentrically of said wear plate projecting outwardly from one face thereof and engaging in said last-named socket for rotatably mounting said wear plate on said presser member; and means for limiting axial movement of said wear plate and said presser member.

2,423,759
MUD HOOK
William K. Edwards, Big Spring, Tex.
Application March 10, 1947, Serial No. 733,669
12 Claims. (Cl. 152—225)

10. A mud hook assembly comprising a series of hooks adapted to be placed about an automobile tire, a drum, means for mounting said drum and a series of flexible cables corresponding in number to said hooks, means attaching said cables to said hooks and said drum, means on said drum for rotating the same, said drum mounting means comprising a series of arms, a guide at the end of each drum for guiding one



of said cables, said drum rotating means including a multi-sided aperture, and a bolt provided with an exterior portion adapted to fit said aperture, said drum having a flange provided with teeth and a pawl on said drum mounting means adapted to engage said teeth.

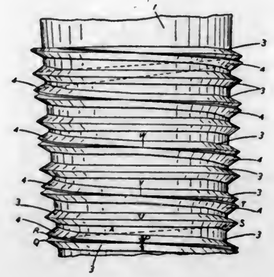
2,423,760
METHOD OF POLYMERIZING ISOBUTYLENE
Norman M. Elmore, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 26, 1942, Serial No. 444,571
4 Claims. (Cl. 260—94)

1. In an olefinic polymerization process, the steps in combination of mixing a liquefied isoolefin and a diluent-refrigerant at a temperature below —101° C., adding thereto liquid boron trifluoride dissolved in a solvent, stirring the mixture until a homogeneous mixture is obtained without polymerization of the olefin, and then initiating the polymerization reaction by the application to the mixture of a reaction initiator, comprising butyl alcohol in an amount greater than 0.001% of the amount of isobutylene.

2,423,761
COATING COMPOSITION COMPRISING POLYBUTENE, AN ORGANIC SOLVENT AND AN AMINE ACETATE WETTING AGENT
Hector C. Evans, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 9, 1943, Serial No. 494,012
3 Claims. (Cl. 260—32)

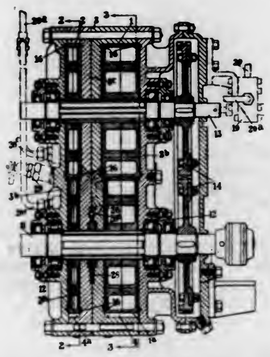
1. A coating composition adapted for providing an insulating coating of high dielectric strength, comprising a solution of 1 to 5 parts by weight of a 30,000 to 104,000 molecular weight polybutene as determined by the Staudinger method, in 10 to 20 parts by weight of a volatile organic solvent, and 0.2 to 5%, based on the weight of said solution, of a wetting agent having from 12 to 20 carbon atoms to the molecule and selected from the class of amine acetate salts soluble in the polybutene.

2,423,762
PIPE JOINT
Samuel James Everett, Thornton Heath, England
Application November 21, 1942, Serial No. 466,437
In Great Britain May 15, 1942
5 Claims. (Cl. 128—215)



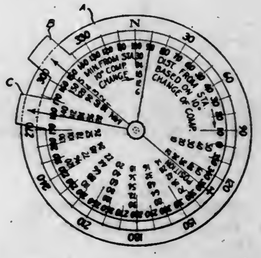
1. In a medical syringe, a nozzle joint comprising, in combination, a tubular member having a nozzle portion formed with a hard externally conical surface and a tubular member formed with a correspondingly tapered hard internally conical surface, one of said surfaces having formed thereon two screw threads respectively of different pitches, of the same sense and of the same height from root to crest of the thread, and the crests of the two threads being adapted to engage the other of said surfaces, said screw-like threads being co-extensive over a substantial portion of said nozzle.

2,423,763
ROTARY INTERNAL-COMBUSTION ENGINE OF THE ROTATING ABUTMENT TYPE
John Fareso, Hornchurch, England, assignor to George Bernard Morgan, London, England
Application January 12, 1944, Serial No. 518,023
In Great Britain October 29, 1942
1 Claim. (Cl. 123—13)



A rotary engine of the kind specified comprising two cooperating pairs of peripherally engaging rotors arranged side by side on common parallel driving and driven shafts, a casing enclosing said rotors, said rotors constituting, on one side, a compressor for the combustible mixture, and on the other side, an explosion chamber, a partition wall in the casing separating the two rotor pairs and having transfer ducts therein respectively open to the annular chamber of the compressor rotor and to the annular chamber of the firing rotor, and a rotary member on the driving shaft rotatable in said partition and having an arcuate slot arranged, during a portion of the rotary motion thereof, to coincide with the entire inner ends of the two ducts whereby expansive mixture compressed by the compressor rotor is admitted to the firing chamber of the firing rotor.

2,423,764
AIR NAVIGATION COMPUTER
Bruce C. Flitton, Long Beach, Calif.
Application December 12, 1945, Serial No. 634,598
6 Claims. (Cl. 235—78)



1. In a device to aid a pilot in orienting his plane on instrument flight when either the command set is inoperative or the radio range is inoperative or both are inoperative, three manually rotatable discs comprising top, intermediate and bottom, one of said rotatable discs bearing a compass rose adjacent its periphery, another of said rotatable discs bearing a radially directed bisecting line, the third of said rotatable discs bearing a compass rose adjacent its periphery, and indicia on the ends of said bisecting line whereby by placing the bisecting line on the pilot's magnetic heading on one compass rose and his radio compass bearing on the second rose on the bisecting line, the quadrant direction magnetic may be obtained by reading the value on the second rose opposite the N of the front rose and the quadrant direction magnetic reciprocal may be obtained by shifting the bisecting line to overlap the quadrant direction magnetic reading on the first rose and reading the quadrant direction magnetic reciprocal on the first rose at the other end of the line.

2,423,765
ARCHERY BOW
William M. Folberth, Cleveland, and Paul Parmelee, Cuyahoga Falls, Ohio; said Parmelee assignor to said Folberth
Application March 10, 1945, Serial No. 582,026
14 Claims. (Cl. 124—23)

8. An archery bow comprising a plurality of laminations, each lamination being of substantially uniform thickness throughout and a member disposed between the front and back laminations in the central portion of the bow for increasing the strength and rigidity of the central portion, the central portion being reduced in width and cut away on one side to provide a sighting window and an arrow rest, the thickness of the limbs of the bow being substantially uniform from the tips to regions adjacent the ends of said member, the thickness of the central portion being in-

creased by said member, and said front and back laminations being continuous from the tips of the



bow at least to regions of said central portion where no substantial deflection occurs.

2,423,766
CREAMING LATEXES
Richard D. Freeman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 13, 1941, Serial No. 378,771
5 Claims. (Cl. 260—93)

1. A method of creaming a substance selected from the group consisting of natural rubber latex and synthetic rubber emulsions, which comprises adding thereto a dilute aqueous volatile alkali solution of a water-insoluble polyvalent metal salt of a linear polymeric carboxyl compound selected from the group consisting of carboxy-alkyl celluloses, alginic acid and polyacrylic acid, such polymeric carboxyl compound being in amount not exceeding 2 per cent of the weight of water-insoluble solids in the emulsion, thereby causing the latter to be resolved into an aqueous serum and a cream having a high concentration of water-insoluble solids, and separating the cream from the serum.

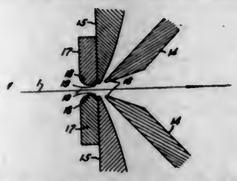
2,423,767
TONE-CONTROL AGENTS FOR SILVER HALIDE EMULSIONS
Douglas James Fry and James Douglas Brooks, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application December 13, 1944, Serial No. 568,066. In Great Britain February 3, 1944
18 Claims. (Cl. 95—6)

1. A process of improving the colour of the developed image in a photographic silver halide emulsion which comprises applying to the emulsion, at a stage not later than its development, a small quantity of a compound of the general formula:

$$R_1—CO—NH—NH—C(=S)R_2$$

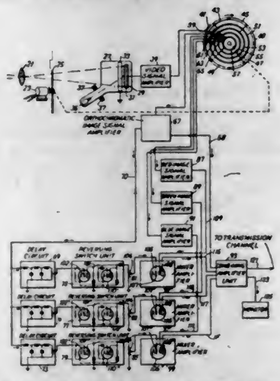
where R_1 is selected from the group consisting of the hydrogen atom and alkyl, aryl, aralkyl, amino, hydrocarbon-oxy, hydrocarbon-thiol, alicyclic and heterocyclic groups, and R_2 is selected from the group consisting of amino, hydrocarbon-oxy and hydrocarbon-thiol groups.

2,423,768
APPARATUS FOR COATING FLEXIBLE WEBS
Lindsay O. Goff, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application January 13, 1943, Serial No. 472,234
7 Claims. (Cl. 91—18)



1. An air doctor comprising rigid members defining a throat and terminating in lips defining a relatively long and narrow slot for the emission of a jet of gas, one member having a surface adjacent to and extending laterally of said slot and external to said throat and which is recessed with respect to a plane through the edge thereof and perpendicular to the direction of said jet, and a surface which is convexly curved in the direction of the jet and joins said recessed surface.

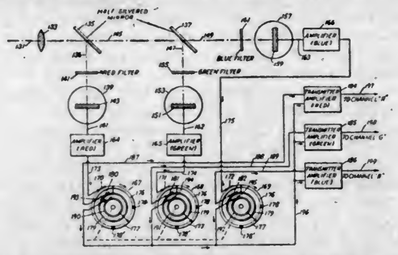
2,423,769
COLOR TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 21, 1942, Serial No. 455,556
26 Claims. (Cl. 178—5.2)



2. The method of color television transmission which comprises the steps of producing an independent series of signals representative of each of a plurality of predetermined primary colors of the object whose image is to be reproduced, producing a further independent series of signals representative only of the visual brightness of the colors of the object, and sequentially transmitting all of the produced series of signals.

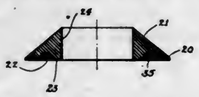
2,423,770
COLOR TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 21, 1942, Serial No. 455,556. Divided and this application April 7, 1945, Serial No. 587,061
10 Claims. (Cl. 178—5.2)

1. The method of color television transmission which comprises the steps of producing independent series of signals representative of each of a predetermined plurality of primary colors of the object whose image is to be reproduced, producing a further independent series of signals to represent the combined intrinsic brightness of the several colors of the object, simulta-



neously transmitting the independent series of signals representing the primary colors as color signal indicia, also transmitting the combined intrinsic brilliance signals, and alternating the signal transmission of the primary color indicia signals and the combined intrinsic brilliance signals according to a selected time cycle.

2,423,771
GASKET.
Harold W. Gould, Evanston, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1945, Serial No. 616,700
3 Claims. (Cl. 288—2)



1. A gasket comprising a ring having a body of plastic sealing material which has insufficient resilience to follow the expansion and contraction of the elements to be sealed, said body including asbestos, a flaky material and rubber, and means for effecting a seal despite such expansion and contraction, said means comprising an insert in the ring of soft tacky material which is capable of following the expansion and contraction of the elements to be sealed, said material including as its major constituents, cork and polyisobutylene.

2,423,772
RAKE
Harold R. Haase, River Forest, Ill.
Application July 6, 1944, Serial No. 543,644
1 Claim. (Cl. 56—400.17)

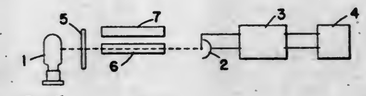


A rake including a wire tine, the free end of the tine being doubled back to form a loop and the loop being under resilient tension to press the end of the wire against the main part of the tine, the sides of the loop diverging from the point of contact of the end of the wire with the main portion of the tine toward the end of the tine.

2,423,773
PURIFICATION OF GELATIN
John Alfred Henry Hart and Edward William Lee, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application May 19, 1943, Serial No. 487,664. In Great Britain June 24, 1942.
10 Claims. (Cl. 260—118)

1. A process for purifying gelatin which comprises treating the gelatin in finely divided form with a solution of an acid in a mixture of water and a water-miscible organic non-solvent for the gelatin, said acid being one which forms, with the cations of the impurities in the gelatin, salts which are soluble to a substantial extent in the said solution, at a pH not above the isoelectric point of the gelatin, said mixture containing a substantial amount of non-solvent and insufficient water to produce substantial swelling of the gelatin, and separating the solution from the gelatin.

2,423,774
OIL DETERMINATION
John J. Heigl, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 2, 1942, Serial No. 437,319
3 Claims. (Cl. 250—83)

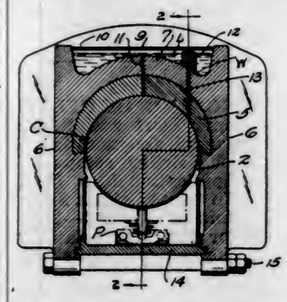


1. A method for determining the amount of mineral oil of known character in a substance containing it, which comprises preparing a plurality of solutions of varying concentration of said oil in an oil solvent, determining the amount of light of a selected wave length from the near ultra-violet range absorbed by each solution, preparing a graph by plotting oil concentration in solution in the solvent against the log of I_0/I, where I_0 is a figure representing the amount of light of the selected wave length absorbed by the solvent per se and I is the amount of light of the same wave length absorbed by any given solution, extracting the oil from the substance containing it with the same oil solvent as was used for preparing the graph, determining the amount of light of the selected wave length absorbed by said extract and determining by reference to the graph the concentration of the oil in the extract.

2,423,775
RAILWAY LUBRICATOR
James J. Hennessy, Montclair, N. J.
Application July 23, 1945, Serial No. 606,684
6 Claims. (Cl. 308—83)

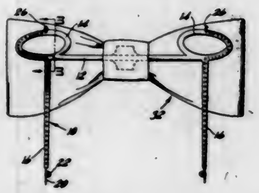
1. In a railway axle box having a top wall and a journal bearing seated against the same, a lubricant reservoir above said bearing and wall, a passageway leading from the journal-engaging surface of the bearing to said reservoir and adapted to feed surplus lubricant from between

the bearing and journal to said reservoir, and a passageway leading from an upper portion of the



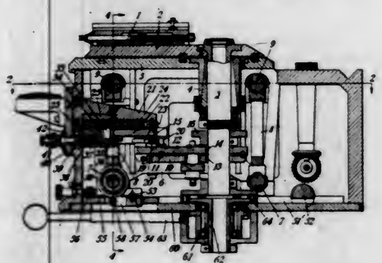
reservoir and adapted to drain lubricant therefrom.

2,423,776
TIE AND COLLAR STAY
Frank J. Humpola, Rosenberg, Tex.
Application April 22, 1946, Serial No. 663,787
2 Claims. (Cl. 2—132)



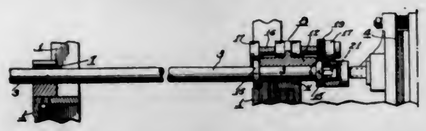
1. A collar stay comprising a transverse bar, flexible loops at the extremities thereof and flexible arms depending from said loops, said stay being disposed underneath a collar, and means detachably anchoring said loops and the lower extremities of said arms to said collar, said loops and said arms being of flexible, tubular construction.

2,423,777
MACHINE OR MECHANISM FOR GENERATING SHAPES OR PROFILES FOR DIAMONDS AND THE LIKE
Frederick Charles Jearum, Sutton, England
Application February 20, 1946, Serial No. 648,901
In Great Britain February 28, 1945
15 Claims. (Cl. 51—234)



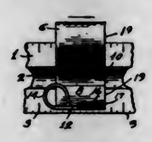
1. Mechanism for generating shapes or profiles on stones for industrial tool work or for the jewelry trade by lapping, of the type wherein the stone is held in the dop carried on a radial arm mounted on a pivot, which is displaceable towards or away from the lapping plane, and capable of oscillation to give the dop an arcuate path of movement in a plane normal to the lapping plane of the cutting disc against which the stone is treated, and comprising: a former capable of oscillation with the radial arm; a carriage mounted for movement parallel with and also normal to the lapping plane; a transmission member on the carriage with which the former reacts so that oscillations of the latter displace the carriage parallel with the lapping plane; and a follower and a converting and reducing abutment, one of which is mounted on the carriage and the other on the frame of the mechanism, the arrangement being such that relative traversal of the one upon the other converts the displacements of the carriage parallel with the lapping plane into displacements normal thereto in reduced ratio which are applied to the pivot of the radial arm to modify the arcuate path of the dop thereon according to the predetermined character of the former for the shape or profile to be generated.

2,423,778
JOURNAL STRUCTURE
Robert McC. Johnstone, Bondsville, Pa.
Original application June 13, 1942, Serial No. 446,917, now Patent No. 2,412,509, dated December 10, 1946. Divided and this application May 5, 1943, Serial No. 485,786
3 Claims. (Cl. 308—59)



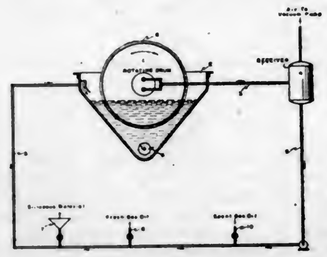
3. A journal bearing structure comprising a lower-shaft-supporting portion, an upper shaft-engaging portion, means for adjusting the said upper portion in the axial direction relative to the lower portion, and means for slidably latching said portions together.

2,423,779
RULE GUIDED POINT MARKER
Phil B. Kahn, Guernewood Park, Calif.
Application May 31, 1946, Serial No. 673,326
2 Claims. (Cl. 33—189)



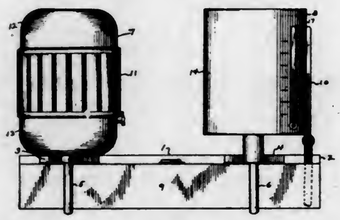
1. A marker comprising a bifurcated spring clip arranged to slidably engage a triangular scale having transverse graduations, said marker having a transverse leading edge with a recess therein and arranged to coincide with said graduations, and also having a vertically disposed prick within said recess and aligned with said leading edge, and spring means formed integrally with said clip and prick for normally and yieldingly holding said prick within said recess and in proximate spaced relation above a supporting surface of said scale and for moving said prick to prick said surface.

2,423,780
PRECOATING FILTERS
Conrad H. Kollenberg, Goose Creek, and Nick P. Peet, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 4, 1944, Serial No. 561,947
2 Claims. (Cl. 210—199)



1. A method for applying a precoat of finely divided diatomaceous earth particles to a rotary filter including the steps of rotating the rotary filter in a bath of a hydrocarbon liquid carrying said particles in suspension, adding to said suspension a small amount of an alkali metal hydroxide, and applying suction to the interior of said rotary filter.

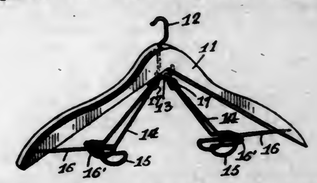
2,423,781
CONTROL APPARATUS
Lamont Burton Koontz, Deer Lodge, Mont.
Application March 9, 1943, Serial No. 478,580
18 Claims. (Cl. 236—68)



17. In combination, an adjustable condition responsive control device of the heat emissive type, temperature indicating means for guidance in adjusting said device, and means including a generally convex baffle means arranged between said device and said indicating means in a manner to protect said indicating means from direct radiation of heat by said device, said baffle means including a heat shielding portion and a supporting portion, said indicating means being arranged adjacent an outer surface of said supporting portion.

2,423,782
GARMENT HANGER
Raymond Lacourse, Montreal, Quebec, Canada
Application July 18, 1944, Serial No. 545,443
1 Claim. (Cl. 223—91)

A garment hanger comprising a shoulder bar, two pairs of diverging strands extending therefrom, the free ends of said strands being each bent to form a plane figure adapted to engage a garment, said figures lying approximately at the level of the free ends of said bar, means slidable on each pair of strands to draw said strands and the corresponding figures together, and a guide wire extending from each end of

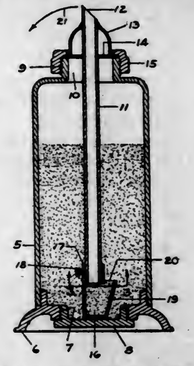


said bar and looped individually around the nearer adjacent figures.

2,423,783
PROCESS FOR MAKING 1,3-DIOLS FROM OLEFINS AND ALDEHYDES
Samuel B. Lippincott, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,437
5 Claims. (Cl. 260—635)

1. In a process for converting aliphatic olefins to polyhydric alcohols wherein aliphatic olefins are condensed with formaldehyde in the presence of an acid catalyst to form 1,3-dioxanes which are reacted with methyl alcohol in the presence of a strong acid catalyst to form 1,3-diol and methylal, the improvement which comprises reacting the methylal with formic acid in the presence of sulfuric acid to form methyl formate and a slurry of formaldehyde in sulfuric acid, distilling the methyl formate and returning the formaldehyde and sulfuric acid to the olefin condensation step; hydrolyzing the methyl formate to methyl alcohol and formic acid, separating the methyl alcohol and formic acid, returning the separated methyl alcohol to said reaction with the 1,3-dioxane, and returning the formic acid to said reaction with the methylal.

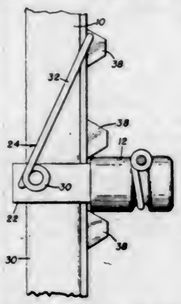
2,423,784
SUGAR CONTAINER AND DISPENSER
Richard C. Mackey, Antioch, Calif.
Application February 11, 1946, Serial No. 646,914
1 Claim. (Cl. 222—456)



A device of the character described comprising a cylindrical vertical container capable of retaining a quantity of granular material, a circular externally threaded neck portion at the upper end of the container, a concentric opening through said neck portion, an elongated tubular member vertically extending through said opening and into the lower portion of the con-

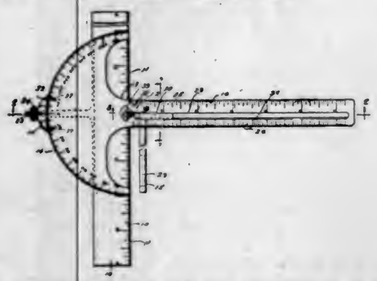
tainer and concentrically positioned therein, a plate secured to the upper portion of said tube and adapted to rest onto the top end of said neck and cover said opening, an internally threaded member for securing said plate onto said neck portion, the upper extremity of said tubular member being cut at an angle that points in a certain direction forming an angular spout, a measure at the lower extremity of the tubular member for receiving a quantity of the granular material from within the container, said measure being flared on the opposite side to said angular spout and in an opposite direction thereto whereby when the container is tilted in an opposite direction to the flared portion of said measure the granular material in said measure will be dispensed through said tubular member.

2,423,785
ELECTRIC FENCE INSULATOR
George F. Markman, Renwick, Iowa
Application January 21, 1947, Serial No. 723,289
5 Claims. (Cl. 174—161)



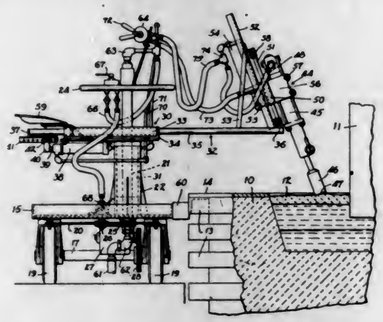
2. An insulating device comprising an insulating element, means for slidably attaching said element to a fence post, resilient clamping means for locking said slidable means in a selected predetermined position, said resilient clamping and locking means comprising a wire extending through said slidable means, a bight in said wire adapted to frictionally engage the flange of a fence post, a coil in said wire, a leg extending from said coil and an angular extension extending from said leg adapted to engage the face of a fence post thereby exerting force in said bight.

2,423,786
UNIVERSAL DRAFTING AND MEASURING INSTRUMENT
William Morris, New Haven, Conn.
Application July 25, 1944, Serial No. 546,493
6 Claims. (Cl. 33—99)



1. In a combined drafting instrument, a main ruler blade, forming a base, a pivot carried thereby a member comprising a second ruler blade and a protractor forming a unit, arranged at opposite sides of the pivot, the said protractor being arranged at a higher level than the ruler blade to which it is joined in a plane parallel thereto, a stepped portion between said pivot and said protractor, an arm extending from said first named main ruler rearwardly from said pivot beneath the protractor, a stepped portion on said extension arm and a flat portion, parallel to the ruler blades and in contact with the underside of the protractor and means on said extension for fixing the position of said protractor with respect to the main blade.

2,423,787
CRUST BREAKING APPARATUS
Roscoe Lee Mosena, George Hamilton Traylor, and Robert Lee Haislip, Maryville, and Alvin Earl Hall, Alcoa, Tenn., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1944, Serial No. 561,434
3 Claims. (Cl. 262—13)

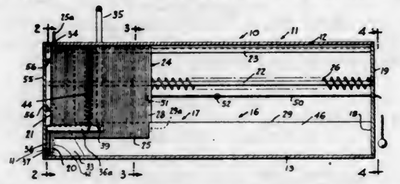


1. Apparatus for breaking the crust in a metal-producing electrolytic cell containing a suspended electrode comprising a truck movable along the cell, a vertical support rotatably mounted on said truck, an elongated supporting member slidably mounted on said vertical support in a plane above the top of said cell for movement toward said electrode in circular and radial directions, a power actuator for moving said supporting member relative to said vertical support, a pneumatic hammer slidably mounted on the outer end of said supporting member in an inclined position and having a tool on its lower end for engaging the crust in said cell, pneumatic piston and cylinder means for raising and lowering said hammer and tool with respect to said cell, and control means for said hammer and said piston and cylinder means effective to initiate operation of said hammer simultaneously with downward movement thereof and to discontinue operation of the hammer upon upward movement thereof.

2,423,788
HAIRPIN DISPENSER
Bela A. Muller-Molnar, New York, N. Y.
Application May 14, 1945, Serial No. 593,660
2 Claims. (Cl. 312—63)

1. A hair pin dispensing apparatus, comprising a rectangular, horizontally elongated casing having a partition at the front thereof, said casing being formed with an opening at the top adjoining said partition and corresponding in size to the thickness of a hair pin, a removable rear

wall at the end of said casing, a guide rack formed with a cut-out portion and having one end fixedly secured to the rear wall, the other end of said guide rack extending to the partition, the front portion of said rack having an elongated intermediate portion bent upon itself to form a hair pin shape, a bar adapted to have a number of hair pins mounted thereon, said bar having its ends fixedly secured to the rear wall and the top of said elongated portion, respectively, a rod having one end fixedly secured to the rear wall

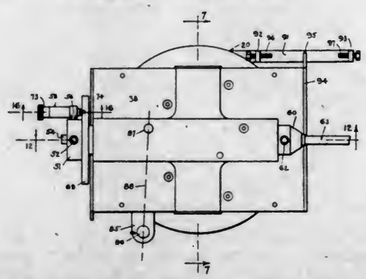


and the other end resting in an opening in said partition, a follower slidably mounted on said rod, and a spring actuating said follower, said spring being arranged between the rear wall and the follower, a cord for compressing said spring, one end of said cord being attached to the follower and the other end extending through a slot in the rear wall, the distance between the inner surface of the upper wall of the casing and the rod is of a size to accommodate only one row of hair pins, and means for dispensing said hair pins from the casing.

2,423,789
POUR POINT DEPRESSANTS FOR LUBRICATING OILS
Thomas G. Murphy, Franklin, Pa., and Jacob Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application June 1, 1944, Serial No. 538,332
2 Claims. (Cl. 252—32.7)

1. A pour point depressant composition for addition to a wax containing petroleum hydrocarbon oil having normally a relatively high pour point due to the wax contained therein comprising in excess of 30% petroleum hydrocarbon oil carrier, and substantially dissolved therein approximately 4 to 48% aluminum stearate and approximately 2 to 15% phosphorous pentasulfid reacted alkali metal petroleum mahogany sulfonate.

2,423,790
TOOL GRINDING MACHINE AND THE LIKE
John V. Nelson, Elmhurst, Ill., assignor to Franz K. Krag, Chicago, Ill.
Application March 29, 1945, Serial No. 585,479
4 Claims. (Cl. 51—225)

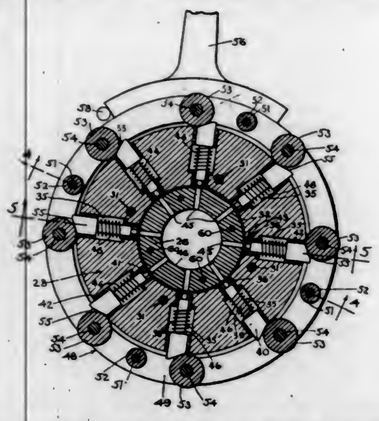


1. In a grinding machine for rotary cutting tools having flutes located at regularly spaced positions around such tool, the combination of a translatory table, means to support said table for direct straight line translation of the table, a tool holding chuck journalled in one end portion of the table for rotation on an axis parallel to the direction of table translation, a tubular shaft element journalled in the other end portion of the table for rotation about an axis co-axial with the axis of the chuck, said tubular shaft having inner and outer ends, a pinion in connection with the inner end portion of the tubular shaft, a rack element in meshing engagement with said pinion, there being a trackway in the table for said rack element extending in a direction non-parallel to the rotational axis of the tool holding chuck and the tubular shaft, a turntable journalled in the supporting means adjacent to the translatory table for angular adjustment about an axis substantially intersecting the axis of rotation of the tool holding chuck and the tubular shaft, a trackway in the turntable, a turntable slide working in said trackway, a companion trackway in the rack element, a rack element slide working in the rack element trackway, a pivotal connection between the turntable slide and the rack element slide, whereby movements of translation of the translatory table and movements of rotation of the tubular shaft are conjointly effected in proportion dependant on the angular adjustment of the turntable, the tool holding chuck including a shaft extension extending through the tubular shaft to a position adjacent to the outer end of the tubular shaft away from the pinion, an indexing disk secured to the outer end of one of the shaft elements, said indexing disk being provided with a series of uniformly angularly spaced indexing holes, an indexing crank secured to the outer end of the other shaft element, and a pin element in connection with the crank element and engageable with a selected one of said series of indexing holes, whereby said crank may be manipulated by an operator to exert both rotational and translatory forces on the crank to thereby subject the shaft elements to rotational forces and to translatory forces simultaneously to thereby effect combined movements of rotation of the shaft elements and corresponding translatory movements of the shaft elements and the table element for all angular positions of adjustment of the turntable, the tool holding chuck being located at that end of the device opposite to the position of the indexing disk and the indexing crank, whereby rotational movements of the crank are effected without interference from the tool holding chuck and a tool carried thereby, substantially as described.

2,423,791
DIES AND THE LIKE
John V. Nelson, Elmhurst, Ill., assignor to Krag Steel Products, Inc., Chicago, Ill., a corporation of Illinois
Application October 4, 1945, Serial No. 620,246
4 Claims. (Cl. 164—108)

1. A die set and means to operate the same comprising a central female die element having a plurality of female die openings, and a male die element surrounding said female die element and including a plurality of radially movable male die elements for co-operation with said female die openings, and an actuating element surrounding said male die element and including means to force the male die elements inwardly for co-operation with the female die openings, together with a punch press having a work table whereon said die set is secured, a radially extending cam element connected to said actuating element and ex-

tending radially rearward to a position beneath the press head of the punch press, said die set being supported on said work table at a position in advance of said press head and said cam ele-



ment, together with a cam element connected to said press head and movable downwardly with said press head to engagement with said radially extending cam element of the actuating element.

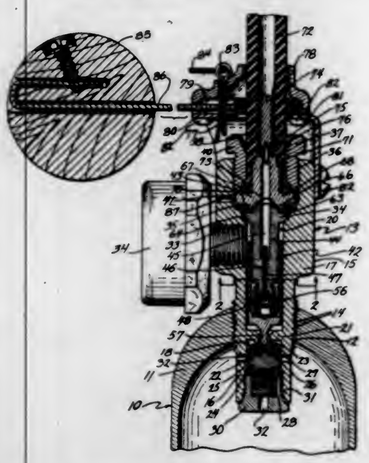
2,423,792

DISPENSING DEVICE WITH FLOW RESTRICTOR AND FRANGIBLE OUTLET CLOSURE

Harold L. Norway, Evanston, Ill.. assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application September 16, 1943, Serial No. 502,612

13 Claims. (Cl. 222—5)



1. A gas dispenser comprising a pressure container, a body member connected to the container with a passage therein in communication with the container, a check valve in the passage for controlling the flow of gas through the passage, a compartment in the body beyond the check valve, means for closing the outer end of the compartment including an interchangeable destructible element for draining the container, and a removable element interchangeable with other elements disposed in said compartment between the closing means and check valve and adapted to engage and open said check valve when held in place by said closing means, said removable element including two metal members having a helical passage between them constituting the sole outlet between the open check valve and destructible element.
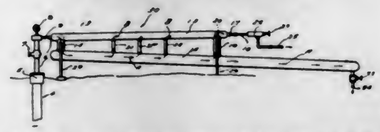
2,423,793

OIL AND WATER SEPARATOR HAVING A COLLECTING PIPE AND A STRATIFICATION PIPE THEREBELOW

Walter L. Olivo and Joseph B. Terrell, Denver City, Tex.

Application February 2, 1944, Serial No. 520,806

2 Claims. (Cl. 210—51)



1. An oil and water separator comprising an oil collecting pipe, an admission pipe and an oil discharge pipe, both directly connected with the oil collecting pipe and arranged at substantially the same level, a stratification pipe arranged below the oil collecting pipe, serving as a stratification chamber, a plurality of connecting pipes between said oil collecting pipe and said stratification pipe, one of these pipes being arranged near the end of the oil collecting pipe connected with the oil admission pipe and another near the end connected with the oil discharge pipe, and deflecting baffles in said oil collecting pipe arranged directly behind the two last named connecting pipes.

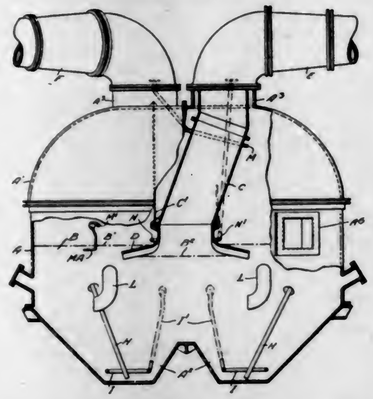
2,423,794

PRODUCTION OF AMMONIUM SULPHATE

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware

Application August 25, 1943, Serial No. 499,986

3 Claims. (Cl. 23—119)



3. In a process for producing ammonium sulfate which comprises passing ammonia-containing gas into contact with a bath liquor containing sulfuric acid, the improvement which consists in passing the gas beneath a surface which slopes downwardly, from the point at which it is brought in, at an angle of 4° to 15° to the horizontal, the lower edge of said surface being below the normal liquid level, so that the liquid surface beneath the sloping surface is depressed and agitated by said gas, the rate of gas flow being in excess of two cubic feet per second per inch of length of the discharge edge of said surface.

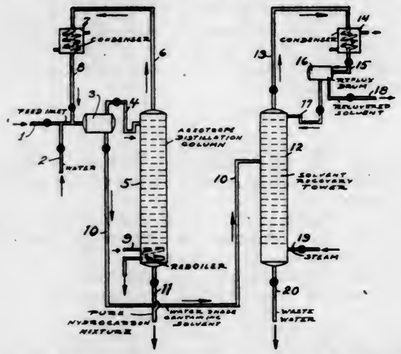
2,423,795

RECOVERY OF HYDROCARBONS AND ACETONE FROM ADMIXTURES BY PHASE SEPARATION AND AZEOTROPIC DISTILLATION

John A. Patterson, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 1, 1943, Serial No. 470,978

4 Claims. (Cl. 202—42)



1. The method of recovering aliphatic hydrocarbons and acetone from a distillate product of an extractive distillation system employing acetone as the solvent in the treatment of a complex hydrocarbon mixture, which comprises adding water to the said distillate product to effect a diphase separation of an essentially hydrocarbon phase and an essentially aqueous acetone phase, distilling the essentially hydrocarbon phase with water in an amount to form a ternary azeotropic composition with the hydrocarbons and all of the acetone present, and recovering the hydrocarbons and the acetone from the products thus formed.

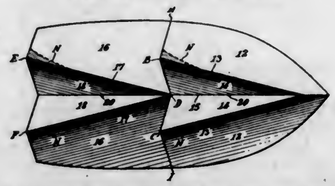
2,423,796

HYDROPLANE

Lester B. Platt, Jr., New York, N. Y.

Application March 6, 1946, Serial No. 652,303

7 Claims. (Cl. 114—66.5)



1. A boat hull having a bottom formed with two or more cavities, triangular in plan view and centrally located therein, the apex of one cavity joining the next one at approximately the center of the greatest width of the latter, the center line along the top of said triangular cavities being a straight line.

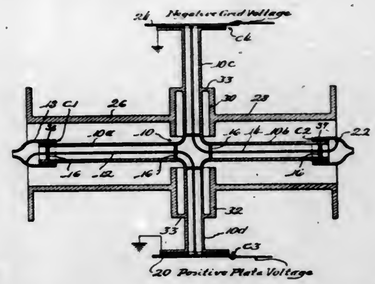
2,423,797

HIGH-FREQUENCY CIRCUIT

Grote Reber, Wheaton, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application January 1, 1944, Serial No. 516,737

7 Claims. (Cl. 178—44)



6. An ultra high frequency circuit structure comprising a multi-leg tubular member, a pair of conductors each extending through a pair of adjacent legs of said member, a condenser formed between each end of each of said conductors and the adjacent end portion of its surrounding leg, and coupling lines in the form of a tubular part surrounding two legs of said member and surrounding a portion only of an intermediate leg, whereby the portion of said intermediate leg which is not surrounded by said coupling lines forms a radio frequency choke extension.

2,423,798

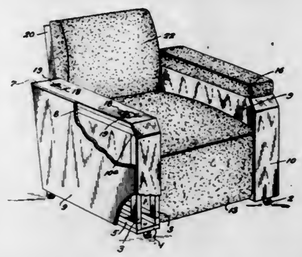
SIDE FRAME FOR CHAIRS AND THE LIKE

Mark Sabner, London, England

Application January 15, 1944, Serial No. 518,431

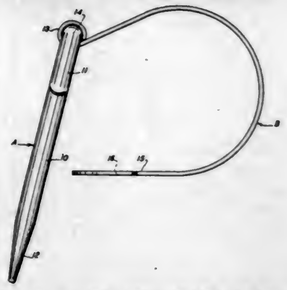
In Great Britain March 22, 1939

1 Claim. (Cl. 155—184)



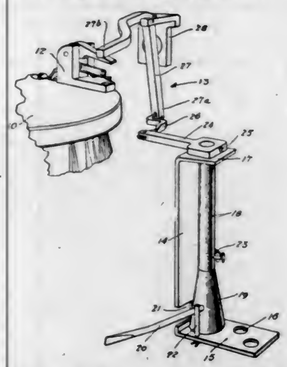
An article of furniture, comprising arm frameworks, each formed of an interior framework structure including a bottom flat horizontally disposed member, vertically disposed posts supported by said bottom flat horizontally disposed member, and a top flat horizontally disposed member fixedly supported by said posts and substantially rigid panels of thin sheet-like formation secured to vertical edges of the top and bottom flat horizontally disposed members to provide with such members a substantially air-tight hollow arm framework, rigid connecting bars secured to one of said panels on each arm framework and extending therebetween to space apart and connect said arm frameworks, and a back member of panel formation secured to the inside rigid panel of each hollow arm framework.

2,423,799
HITCH PIN HOLDER
Adolph Shelstad, St. Paul, Minn.
Application April 3, 1946, Serial No. 659,244
1 Claim. (Cl. 280—33.15)



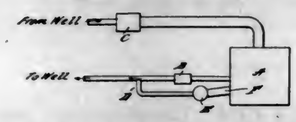
In a hitch pin and holder of the character described, a pin having an eye with a straight portion at one end, a holder spring of bowed shape formed with a loop at one end around the straight portion of said eye to hingedly connect the pin and spring, the loop having the same width as the spring, and the opposite end of the spring being transversely widened and having an aperture in the widened portion adapted to slip over the end of the pin opposite said eye, the said spring being tensioned to normally and yieldably draw its apertured end on the end of the pin.

2,423,800
DABBING BRUSH MECHANISM
Manuel Silva, Glendale, R. I.
Application July 1, 1944, Serial No. 543,105
2 Claims. (Cl. 19—124)



1. Dabbing brush mechanism comprising a brush casing having a recess, an annular brush element having bristles and rotatably seated in said recess, said casing having a slot adjacent the rim of said element, a pawl bracket positioned on said casing adjacent said slot, a pawl trigger pivotally mounted in said bracket, a pawl pivoted at one end to the trigger and having its other end extending through said slot, spring means normally holding said pawl trigger to urge the pawl rearwardly, said brush element having a series of ratchet parts adapted to be successively engaged by said pawl, means holding said pawl in cooperative relation to said ratchet parts, and means for periodically actuating said trigger to move the pawl forwardly into engagement with said ratchet elements, whereby said brush element is intermittently rotated.

2,423,801
APPARATUS FOR MIXING DRILLING MUD
John I. Sloan, Tulsa, Okla., assignor of one-fifth to John H. Poe, Tulsa, Okla.
Application December 5, 1944, Serial No. 566,736
2 Claims. (Cl. 259—4)

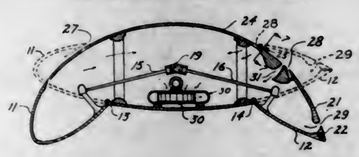


1. Apparatus for mixing ingredients with drilling mud, including a settling pit, a main circulating line for conveying the drilling mud from the pit to the well and back to the pit, a pump for forcing the drilling mud through the circuit, a by-pass line leading from the main circuit, beyond the pump, back to the pit, whereby the pump forces a portion of the drilling mud through said by-pass back to the pit, a hopper for holding the ingredients and communicating with said by-pass, means for creating suction applied to the hopper, and a valve for controlling the hopper outlet.

2,423,802
PROCESS OF SEPARATING ALPHA METHYL STYRENE FROM A MIXTURE CONTAINING CUMENE
Ober C. Slotterbeck, Clark Township, Union County, and Charles E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1944, Serial No. 570,746
3 Claims. (Cl. 260—669)

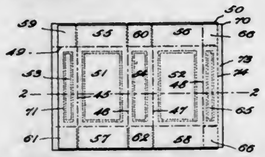
1. The process of separating alpha methyl styrene from a mixture containing cumene, which comprises aralkylating cresol by reaction with alpha methyl styrene in the mixture, separating the thus-aralkylated cresol from unreacted cumene, and heating the aralkylated cresol separated from the cumene to a temperature sufficiently high to evolve alpha methyl styrene vapors.

2,423,803
HIGH LIFT DEVICE
Edward A. Stalker, Bay City, Mich.
Application December 8, 1943, Serial No. 513,344
15 Claims. (Cl. 244—42)



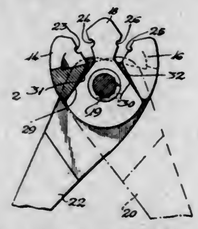
1. In combination to form a wing, a wing main body, a nose flap, a tail flap, means for adjustably supporting said flaps on said main body to form a low camber wing when in raised high speed position, means to depress said nose and tail flaps to give the wing a high lift airfoil section having a mean camber maximum ordinate greater than 20 per cent of the subtending chord length, said high lift airfoil section having its maximum thickness substantially aft of the 40 per cent point of the wing chord, the pressure distribution over the upper wing surface being maintained at a relatively high value and substantially free of intermediate adverse pressure gradient over the major portion of the chord leaving an adverse pressure gradient over the rearward portion thereof for a range of high lift coefficients which said wing requires boundary layer control to achieve such coefficients, said wing having a slot in its upper surface aft of the midpoint of the chord and in position to be effective with respect to said adverse pressure gradient, and power means to induce a flow through said slot to control the boundary layer to cause the relative wind to follow the surface of the wing and to develop said high lift coefficients.

2,423,804
METHOD OF MAKING LINED CARTONS
Harry F. Waters, New York, N. Y.
Original application May 13, 1941, Serial No. 393,171. Divided and this application May 11, 1942, Serial No. 442,530
4 Claims. (Cl. 93—36.01)



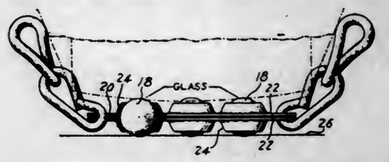
1. The method of forming a lined tubular packaging medium which comprises attaching a liner sheet to a carton blank having at least four parallel score lines defining pairs of main and end panels and a glue flap so as to leave the liner sheet unattached to the several panels at the marginal edges thereof, folding said carton blank and liner along one of said score lines, folding back one of the longitudinal marginal strips of said liner about the free edge of said glue flap, folding said carton blank and liner along another one of said score lines to bring the longitudinal marginal strips of the liner into a cooperating position and one end panel in contact with the said glue flap, and then independently securing said liner and said carton ends together to form a concentrical tubular carton and separate liner structure.

2,423,805
COMPRESSION TOOL
Walter F. Wendt, Chicago, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois
Application June 24, 1944, Serial No. 541,981
1 Claim. (Cl. 81—15)



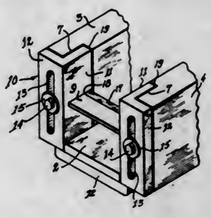
A hand tool for the deformation of wire connecting sleeves of different sizes comprising, a pair of integral primary jaws and handles of the plier type, a pivot member therefor, and an intermediate jaw pivoted on said member and positioned between said primary jaws, said intermediate and primary jaws having notched cooperating faces for the deformation of wire connecting sleeves of different sizes, said intermediate jaw having a portion providing two abutment surfaces and said primary jaws having portions respectively engageable with said surfaces to cause said intermediate jaw to be positioned substantially centrally between said primary jaws when the latter are fully separated.

2,423,806
TRACTION DEVICE FOR VEHICLE WHEELS
Charles T. Willson, Canaan, Conn.
Application November 7, 1945, Serial No. 627,219
16 Claims. (Cl. 152—226)



16. A tire chain comprising circumferential side elements and a plurality of cross elements connecting the side elements, each of the cross elements including a plurality of balls having hardness approximating that of glass and a cage for holding the balls in fixed relation to each other with their centers at the apexes of a triangle and for holding the balls in such positions with respect to the tire as to be interposed between the tire and the road surface as the tire rotates, the said cage holding the balls loosely so as to permit them to shift in positions about their own centers when not in engagement with the road surface in order to present successively different portions to the road surface.

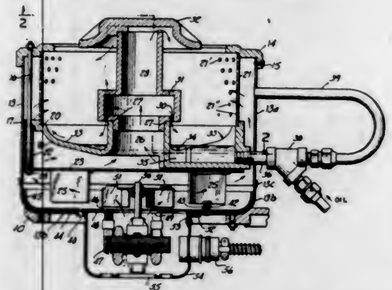
2,423,807
WOODCUTTING DEVICE
Edward J. Zindrick, Chicago, Ill.
Application June 27, 1945, Serial No. 601,853
4 Claims. (Cl. 144—175)



1. A wood cutter comprising a trough having a bottom and side walls, inner faces of said side walls being formed with vertically extending recesses at an end of the trough, a U-shaped blade holder having side arms and a bridge extending between lower ends of its side arms, the bridge being disposed under the bottom of said trough and the side arms being slidably received in the recesses of the side walls and formed with outstanding side flanges overlapping ends of the side walls, the side flanges being formed with vertically extending slots and the side flanges of the trough being formed with threaded sockets, screws passing through the slots of the blade holder and into the threaded sockets of the trough and carrying washers overlapping outer faces of the flanges at opposite sides of the slots for gripping the flanges and firmly securing the

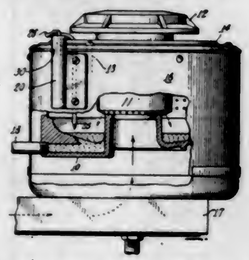
blade holder in a vertically adjusted position when the screws are tightened, the side arms of the blade holder being formed with slots extending horizontally from their inner side edges, and a blade extending between the side arms of the blade holder with its end portions engaged in the slots of the said arms and having a sharpened edge presented inwardly of the trough for cutting engagement with wood placed in the trough and thrust longitudinally toward the blade.

2,423,808
METHOD OF AND APPARATUS FOR BURNING LIQUID FUEL
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application February 6, 1941, Serial No. 377,613
21 Claims. (Cl. 158—91)



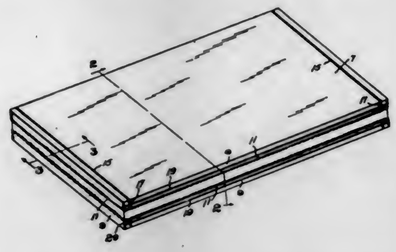
4. The method of burning fuel oil with substantial, non-distillable carbonaceous residue which comprises feeding the liquid fuel into an annular vaporizer with an upwardly and outwardly sloping bottom so that the depth of the pool of liquid at its edge is negligible, blowing air downwardly against the deepest portion of the pool where combustion is initiated and radially across the pool surface, passing the mixed air and vapors outwardly past the hot surface of the vaporizer beyond the edge of the pool, and blowing air inwardly across the top of the vaporizer.

2,423,809
IGNITION MEANS FOR LIQUID FUEL BURNERS
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application March 21, 1942, Serial No. 435,690
5 Claims. (Cl. 158—91)



4. In the operation of liquid fuel burners having a vaporizer over the bottom of which liquid fuel may flow and a sparking electrode above a portion of said vaporizer bottom, the method which comprises concurrently generating a spark between the electrode and the opposed portion of the vaporizer bottom to preheat said surface and allowing liquid fuel to flow slowly onto more remote portions of said vaporizer bottom and then onto the heated area for vaporization and ignition, and thereafter subjecting the electrode to the heat of combustion so that it is maintained heated to temperatures which avoid the accumulation of soot and carbon residues.

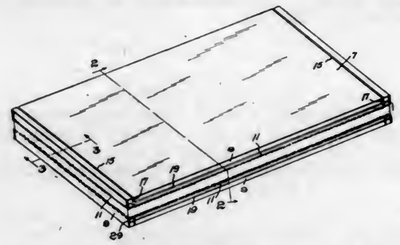
2,423,810
MANUFACTURE OF BIMETAL
Joseph M. Goulding, Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Application August 4, 1942, Serial No. 453,494
10 Claims. (Cl. 29—188)



1. The method of welding one metal slab to another to form bi-metal which comprises hermetically boxing the slabs with a face of one in welding relation to that of the other in a sheet metal container having longitudinal and transverse side walls jointly surrounding the edges of both slabs, and also having a wall connected to said side walls and opposed to the outer face of one of the slabs, which container also has frangible portions adjacent said edges of the slabs, whereby to exclude air and gases from the area of separation of the slabs and provide the container with frangible portions adjacent said edges of the slabs breakable upon the slabs being elongated; heating the boxed assembly thus formed to the welding temperature of the slabs while maintaining them hermetically boxed; and pressing the heated slabs toward each other and welding their opposed faces together and elongating them by passing the heated hermetically boxed assembly flatwise between the rolls of a mill, whereby to rupture the walls of the container at the frangible portion thereof upon the welded together slabs being so elongated.

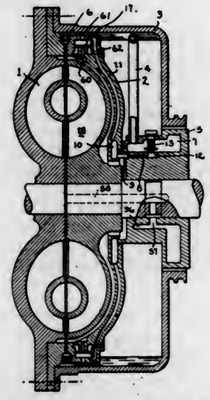
2,423,811
WELDING ASSEMBLY
Joseph M. Goulding, Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland
Original application August 4, 1942, Serial No. 453,494. Divided and this application September 2, 1943, Serial No. 500,915
11 Claims. (Cl. 29—187.5)

1. A welding assembly having a pair of metal slabs in superimposed welding relation, a sheet metal container enclosing said slabs, said container having a line-like frangible portion of reduced thickness adjacent the peripheries of the slabs adapted to be ruptured for separating the container by elongation of the slabs upon



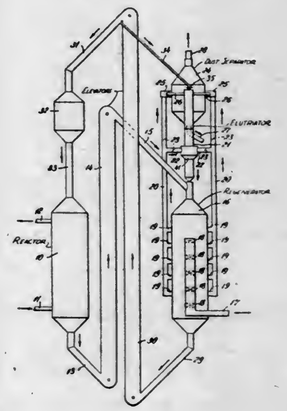
the heated assembly being subjected to a rolling operation for effecting welding of the slabs.

2,423,812
THERMOSTATIC OUTLET VALVE CONTROL FOR FLUID COUPLING
Lorenz Karl and Fritz Kugel, Heidenheim-on-the-Brenz, Germany, assignors to American Voith Contact Company, Inc., New York, N. Y., a corporation of New York
Application July 3, 1940, Serial No. 343,882
In Germany April 29, 1939
2 Claims. (Cl. 60—54)



1. In a hydraulic power transmitting device, a driving rotor and an axially alined driven rotor defining a working chamber adapted to be supplied with driving fluid for driving said driven rotor, a stationary annular chamber extending circumferentially about the axes of rotation of said rotors, an annular housing carried by one of said rotors and encasing both the other rotor and at least a portion of said stationary annular chamber, a conveying pipe having one end thereof communicating with the interior of said stationary chamber and the other end extending circumferentially along the interior surface of said annular housing, conduit means cooperating with said pipe and stationary chamber for forming a hydraulic circuit with said rotors, said last-named means including main outlet means allowing a constant flow of fluid to flow from the rotors into the annular housing, through the conveying pipe and into the stationary chamber, centrifugally operable outlet means associated with said working chamber for varying the flow of driving fluid from said working chamber to the interior of said annular housing, means disposed within said annular housing and rotatable with the latter for maintaining the outlet means in closed position during normal operation of the coupling, said maintaining means comprising a disk member having a passageway therein extending inwardly from the centrifugally operable outlet means to a point adjacent the stationary chamber, second conduit means for supplying working fluid from said stationary chamber to said passageway and associated outlet means, means permitting restricted and continuous escape of the fluid supplied said centrifugally operated outlet means into said annular housing, temperature responsive means mounted within said stationary chamber and responsive to a predetermined high temperature range of the liquid therein for preventing the flow of fluid through said supplying means to thereby permit centrifugal force to actuate said centrifugally operated outlet means and allow fluid to flow from said working chamber.

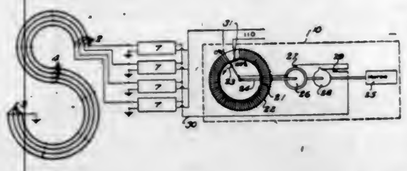
2,423,813
APPARATUS FOR HANDLING CONTACT MASSES
Charles H. Lechthaler, Woodbury, and Russell Lee, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 15, 1943, Serial No. 483,120
4 Claims. (Cl. 23—288)



1. In a system for the conversion of hydrocarbons in the presence of a particle form solid contact mass material a reaction zone, means to introduce particle form solid contact mass material thereto and means to remove it therefrom, means to introduce hydrocarbon reactants thereto and means to remove hydrocarbon reaction products therefrom, a regeneration zone, means to introduce contact mass material thereto and means to remove it therefrom, means to introduce fluid regenerating medium thereto and means to remove it therefrom, means to transfer spent contact mass from the reactor to the regenerator, means to transfer regenerated contact mass from the regenerator to the reactor, means to divert a portion of the moving stream of contact mass at a point between the regenerator and the reactor, scrubbing means for said diverted contact mass comprising a vertical passage, means to introduce diverted contact mass to said passage to pass downwardly therethrough as a shower, means to

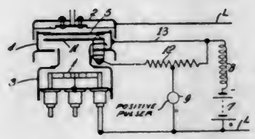
flow a gas upwardly through said passage at controlled velocity sufficient to remove finer particles of contact mass from said shower, seperate exit means from said passage for fines-laden gas and for cleaned contact mass, and means to return said cleaned contact mass to the cycle and means to discard said removed fines from the system.

2,423,814
CONTROLLER FOR MOBILE GLOW DISCHARGE SYSTEMS
Hal C. Mettler, Alhambra, Calif., assignor of one-half to Lloyd Spencer, South Pasadena, Calif.
Application May 8, 1944, Serial No. 534,624
6 Claims. (Cl. 177—346)



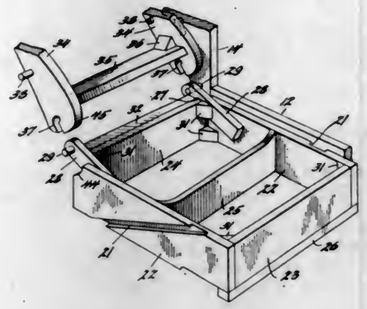
3. In a mobile glow discharge system, wherein each of a plurality of glow discharge tubing units incorporates a distributed capacity and resistance network between its ends to cause progressive ionization in said tubing unit as the input voltage across said unit from a low frequency source is varied, the combination of a controller for varying said input voltage, comprising: limited current transformers having secondaries connected across said tubing units; an auto-transformer including a winding and, at least one moving brush electrically connected with the primaries of said limited current transformers, and means for driving said moving brush to cause the voltage thereacross to vary between a predetermined minimum and a predetermined maximum, thereby to cause a corresponding progression of ionization in said tubing units.

2,423,815
THERMIONIC GAS-FILLED RECTIFIER CIRCUIT
Henry Thomas Ramsay, Hatch End, England, assignor to The M-O Valve Company Limited, London, England
Application November 23, 1942, Serial No. 466,651
In Great Britain November 5, 1941
7 Claims. (Cl. 315—261).



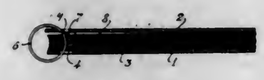
1. In rectifier circuits, a gas tube having an anode, a cathode, an auxiliary electrode and a tubular metal cylinder surrounding said auxiliary electrode, said auxiliary electrode and cylinder being positioned between the cathode and anode and adapted to screen the cathode completely from the anode potential, means for applying a sufficiently low voltage between the said auxiliary electrode and said cathode to prevent flow of electrons from the cathode to the auxiliary electrode and means for applying an intermittent positive voltage across said auxiliary electrode and cathode sufficient to produce a flow of electrons from the cathode thereto.

2,423,816
RECLINING CHAIR
John D. Renkes, Clinton, Iowa, assignor to Volkman Furniture Manufacturing Company, Morrison, Ill., a corporation of Illinois
Application February 25, 1943, Serial No. 477,109
1 Claim. (Cl. 155—116)



In a reclining chair, in sub-combination, a seat frame made up of a pair of end members and a pair of side members, the ends of at least one of said end members abutting the inner surfaces of said side members adjacent the rear end thereof and being rigidly secured thereto, said one end member having a notch at each end opening into the upper edge thereof; and an elongated trunnion support seated in each notch and rigidly secured to the walls of each notch and to the inner wall of said side member, said trunnion supports projecting rearwardly beyond said one end member and each carrying a trunnion at the free end thereof.

2,423,817
BOUND BOOK
Joseph P. Rose, Ulster County, N. Y., assignor to F. L. Russell Corporation, Saugerties, N. Y., a corporation of New York
Application April 25, 1945, Serial No. 590,146
3 Claims. (Cl. 281—25)



1. A stenographer's notebook, or the like, comprising a front and back cover, a plurality of pages between the covers, each cover and each page being an individual unit, aligned holes through said covers and pages, a binder, the binder being made of a single piece of sheet material formed into a stem portion and a cross-head, one end of the stem being integral with the cross-head, the binder being of a single thickness of material throughout, the cross-head traversing said stem at one end thereof with a substantial portion of the cross-head on each side of said stem, the stem passing through said aligned holes and bent to curved configuration, the other end of the stem being free and unattached and lying

in proximity to the cross-head, the cross-head, when the book is closed, lying flat against one of the pages and one of the covers, the cross-head, when the book is either open or closed, being interposed between the pages and the free end of the stem, the binder being free and unattached to the covers, and adapted to freely move in advance of a page or cover as such page or cover engages the cross-head during manipulation.

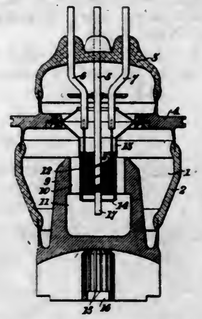
2,423,818
TAG
Robert C. Schmutzler, Philadelphia, Pa., assignor to The Reyburn Manufacturing Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application October 5, 1943, Serial No. 504,995
2 Claims. (Cl. 40—2)



1. A shipping tag having securing means connected thereto comprising a base having upper and lower members forming a tag receiving space between them, a neck portion extending from the base and a head at the end of the neck, a tag between the upper and lower members of tht base there being a key-slot in each of the upper and lower base members and the tag in alignment with each other through which the head may be inserted and locked to form a loop about an article to which the tag is to be applied, the arrangement being such that the locking strain is taken up by the two members of the base.

2,423,819
VACUUM TUBE WITH COUPLING-FEED-BACK ELECTRODE ARRANGEMENT
Paul Georges Chevigny, New York, N. Y., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War
Application January 30, 1943, Serial No. 474,085
8 Claims. (Cl. 250—27.5)

1. A vacuum tube structure having an evacuated envelope, an anode, a cathode, and a grid

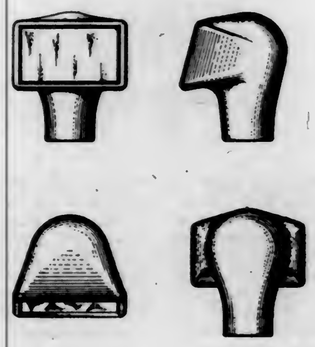


electrode, mounted all within said envelope, a first oscillation circuit connected to said anode and grid electrodes, a second oscillation circuit connected between said grid and cathode electrodes, means electrically isolating said first and second oscillation circuits one from the other except for the coupling between the anode and cathode electrodes, and means for augmenting said coupling between said oscillatory circuits comprising a projection electrically connected to said cathode and in proximity to said anode.

DESIGNS

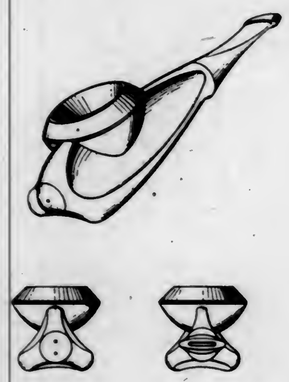
JULY 8, 1947

147,033
DESIGN FOR A TAP KNOB OR SIMILAR ARTICLE
Harold J. Austin, Scarsdale, N. Y., assignor to Liebmann Breweries, Inc., Brooklyn, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 128,785
Term of patent 14 years
(Cl. D2—3)



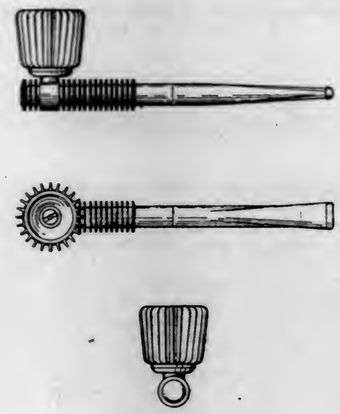
The ornamental design for a tap knob or similar article, substantially as shown.

147,034
DESIGN FOR A PIPE
Robert V. Barberian, Seattle, Wash.
Application June 20, 1946, Serial No. 130,896
Term of patent 14 years
(Cl. D85—8)



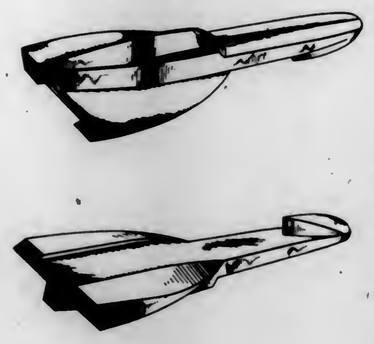
The ornamental design for a pipe, as shown.

147,035
DESIGN FOR A PIPE
Albert E. Christensen, Cleveland, Ohio
Application February 11, 1946, Serial No. 126,436
Term of patent 3½ years
(Cl. D85—8)



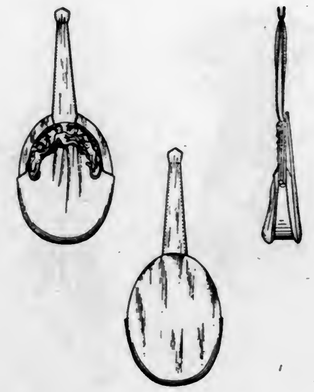
The ornamental design for a pipe, as shown.

147,036
DESIGN FOR A BOAT
Winfield Scott Dix, Myerstown, Pa.
Application March 15, 1946, Serial No. 127,534
Term of patent 14 years
(Cl. D71—1)



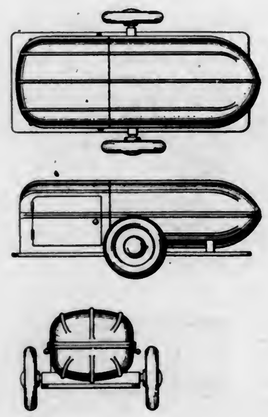
The ornamental design for a boat, as shown.

147,037
DESIGN FOR A HANDBAG
Jacques Fink, New York, N. Y.
Application January 25, 1947, Serial No. 136,425
Term of patent 3½ years
(Cl. D87—3)



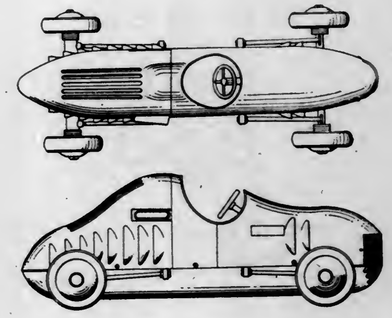
The ornamental design for a handbag, substantially as shown.

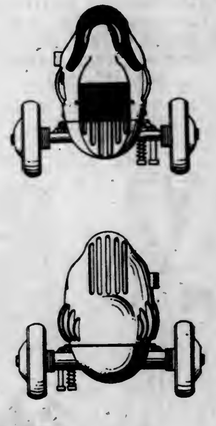
147,038
DESIGN FOR A BOAT LUGGAGE TRAILER
Walter O. Foster, Los Angeles, Calif.
Application January 19, 1946, Serial No. 125,740
Term of patent 3½ years
(Cl. D14—3)



The ornamental design for a boat luggage trailer, as shown.

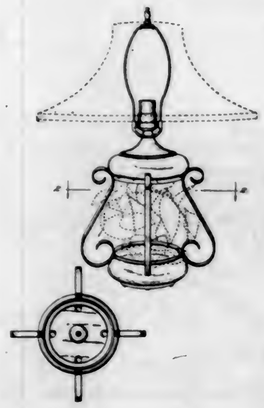
147,039
DESIGN FOR A MINIATURE RACING CAR
Orville Z. Frazier, Elkhart, Ind., assignor of one-half to R. J. St. Louis, Detroit, Mich.
Application April 5, 1946, Serial No. 128,311
Term of patent 7 years
(Cl. D34—15)





The ornamental design for a miniature racing car, as shown.

147,040
DESIGN FOR A TABLE LAMP OR THE LIKE
Albert E. Frontier, Des Plaines, Ill., assignor to Advance Lamp Co., Chicago, Ill., a partnership composed of Frank Di Prova and Ben Di Prova
Application April 1, 1947, Serial No. 138,081
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a table lamp or the like, as shown and described.

147,041
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application March 4, 1947, Serial No. 137,312
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a negligee, substantially as shown.

147,042
DESIGN FOR A DRESS
Marvin Glickman, New York, N. Y.
Application February 7, 1947, Serial No. 136,755
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

147,043
DESIGN FOR A BABY CARRIAGE OR SIMILAR ARTICLE
Louis Gottfried, New York, N. Y.
Application April 19, 1946, Serial No. 128,796
Term of patent 14 years
(Cl. D14—14)



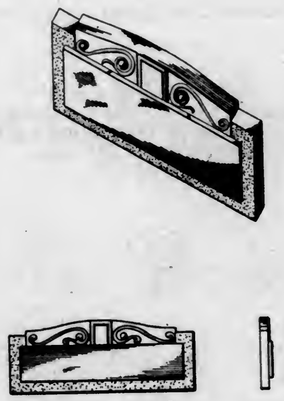
The ornamental design for a baby carriage or similar article, as shown and described.

147,044
DESIGN FOR A FISHING LURE
William L. Hilton, Palm Springs, Calif.
Application May 12, 1945, Serial No. 119,523
Term of patent 14 years
(Cl. D31—4)



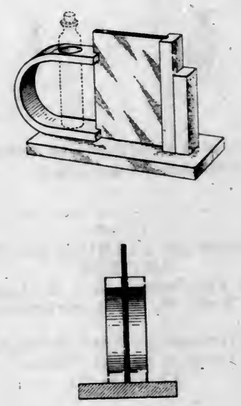
The ornamental design for a fishing lure, as shown.

147,045
DESIGN FOR A DOOR PLATE
Maynard S. Holmquist, Seattle, Wash.
Application November 19, 1945, Serial No. 123,885
Term of patent 3½ years
(Cl. D1—7)



The ornamental design for a door plate, as shown.

147,046
DESIGN FOR A COMBINED HOLDER FOR PICTURE AND PERFUME CONTAINERS
John Joelson, New York, N. Y.
Application March 6, 1946, Serial No. 127,159
Term of patent 3½ years
(Cl. D29—20)



The ornamental design for a combined holder for picture and perfume containers, as shown and described.

147,047
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 131,893
Term of patent 7 years
(Cl. D45—19)



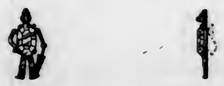
The ornamental design for a brooch or similar article, substantially as shown.

147,048
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 134,168
Term of patent 7 years
(Cl. D45—9)



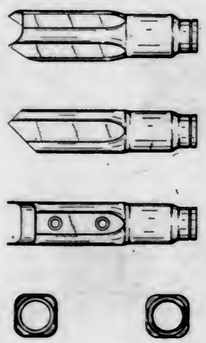
The ornamental design for an earring or similar article, substantially as shown.

147,049
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 134,169
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

147,050
DESIGN FOR A HAIR CLIPPER CASING
Frank J. La Mere, Minneapolis, Minn.
Application November 23, 1945, Serial No. 124,009
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a hair clipper casing, as shown.

147,051
DESIGN FOR A PIN
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,789
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin, as shown.

147,052
DESIGN FOR A PIN
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,791
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin, as shown.

147,053
DESIGN FOR A PIN
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,792
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a pin, as shown.

147,054
DESIGN FOR A BRACELET
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,794
Term of patent 3½ years
(Cl. D45—4)

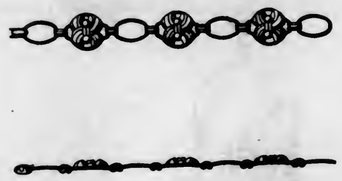


The ornamental design for a bracelet, as shown.

147,055
DESIGN FOR A BRACELET
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,795
Term of patent 3½ years
(Cl. D45—4)

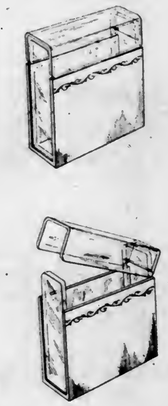
The ornamental design for a bracelet, as shown.

147,056
DESIGN FOR A BRACELET
George J. Lederer, Providence, R. I.
Application June 17, 1946, Serial No. 130,796
Term of patent 3½ years
(Cl. D45—4)



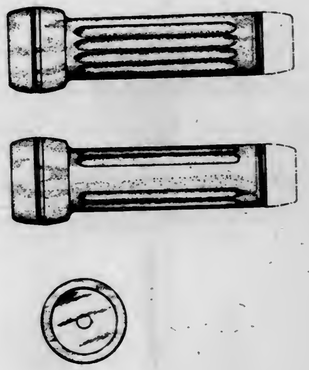
The ornamental design for a bracelet, as shown.

147,057
DESIGN FOR A CIGARETTE CASE
Max J. Lewis, Forest Hills, N. Y.
Application March 9, 1946, Serial No. 127,299
Term of patent 3½ years
(Cl. D85—2)



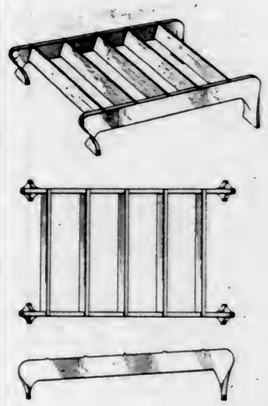
The ornamental design for a cigarette case, substantially as shown.

147,058
DESIGN FOR A FLASHLIGHT
Robert A. Murray, Evanston, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1945, Serial No. 125,154
Term of patent 14 years
(Cl. D48—24)



The ornamental design for a flashlight, as shown and described.

147,059
DESIGN FOR AN EARRING HOLDER
Shirley Carol Nissen and Charles E. Nissen, Maywood, N. J.; Margaret Nissen, administratrix of said Charles E. Nissen, deceased, assignor to said Shirley Carol Nissen
Application February 27, 1946, Serial No. 126,950
Term of patent 7 years
(Cl. D80—9)



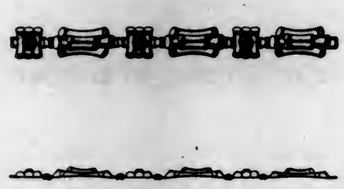
The ornamental design for an earring holder, as shown.

147,060
DESIGN FOR A PIN
Charles T. Parisi, Pawtucket, R. I.
Application June 17, 1946, Serial No. 130,782
Term of patent 3½ years
(Cl. D45—19)



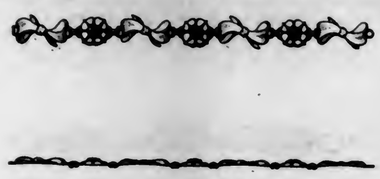
The ornamental design for a pin, as shown.

147,061
DESIGN FOR A BRACELET
Charles T. Parisi, Pawtucket, R. I.
Application June 17, 1946, Serial No. 130,784
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

147,062
DESIGN FOR A BRACELET
Charles T. Parisi, Pawtucket, R. I.
Application June 17, 1946, Serial No. 130,785
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

147,063
DESIGN FOR A SHOE SHINE BOX
Joseph T. Pearson, Jr., Huntingdon Valley, Pa.
Application January 17, 1946, Serial No. 125,657
Term of patent 7 years
(Cl. D58—4)



The ornamental design for a shoe shine box, as shown.

147,064
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,039
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,065
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,040
Term of patent 7 years
(Cl. D45—9)



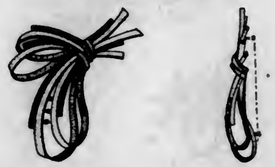
The ornamental design for an earring, substantially as shown.

147,066
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,041
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,067
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,042
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,068
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,044
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,069
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,047
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,070
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 2, 1946, Serial No. 131,274
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,071
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 2, 1946, Serial No. 131,275
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,072
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 2, 1946, Serial No. 131,276
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,073
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 2, 1946, Serial No. 131,277
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,074
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 2, 1946, Serial No. 131,279
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,075
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,297
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,076
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,298
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,077
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,300
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,078
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,301
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,079
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,302
Term of patent 7 years
(Cl. D45—19)



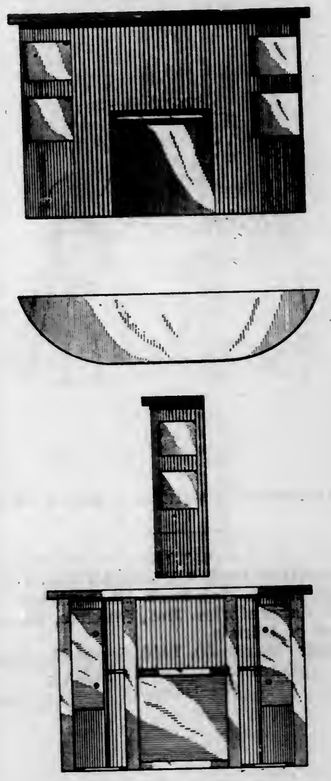
The ornamental design for a brooch or similar article, substantially as shown.

147,080
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,305
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,081
DESIGN FOR A FIREPLACE MANTEL
Walter T. Prebis, Chicago, Ill.
Application January 23, 1946, Serial No. 125,870
Term of patent 3½ years
(Cl. D13—5)



The ornamental design for a fire place mantel, substantially as shown.

147,082
DESIGN FOR A DOLL
Jeanne Price and Thornton Hee, Van Nuys, Calif.
Application May 18, 1946, Serial No. 129,818
Term of patent 3½ years
(Cl. D34—4)



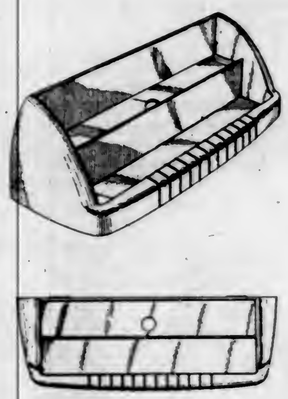
The ornamental design for a doll, as shown.

147,083
DESIGN FOR A DOLL
Jeanne Price and Thornton Hee, Van Nuys, Calif.
Application May 18, 1946, Serial No. 129,821
Term of patent 3½ years
(Cl. D34—4)



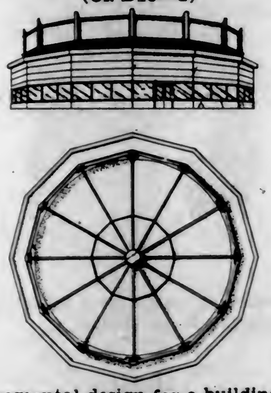
The ornamental design for a doll, as shown.

147,084
DESIGN FOR A DISPLAY RACK
Jean O. Reinecke, Oak Park, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application March 29, 1946, Serial No. 128,097
Term of patent 14 years
(Cl. D80—9)



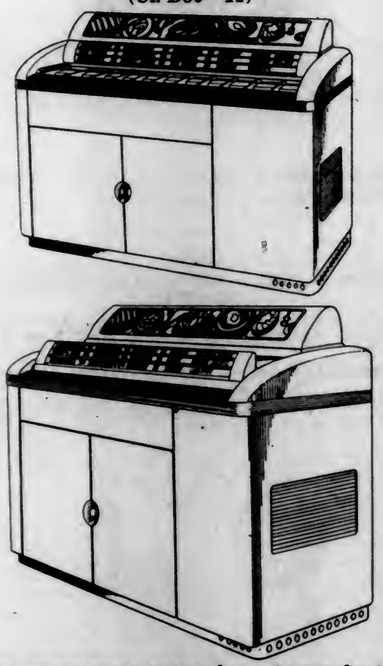
The ornamental design for a display rack, as shown.

147,085
DESIGN FOR A BUILDING
Charles T. Rice, Roswell, N. Mex.
Application January 3, 1946, Serial No. 125,255
Term of patent 14 years
(Cl. D13—1)



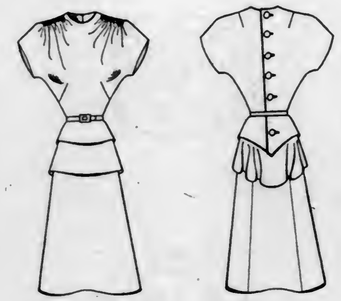
The ornamental design for a building, substantially as shown and described.

147,086
DESIGN FOR A FROZEN FOOD DISPLAY CABINET
Daniel Robertson, Brantford, Ontario, Canada, assignor to Universal Cooler Company of Canada, Ltd., Brantford, Ontario, Canada, a corporation of Canada
Application June 30, 1945, Serial No. 120,442
Term of patent 14 years
(Cl. D80—11)



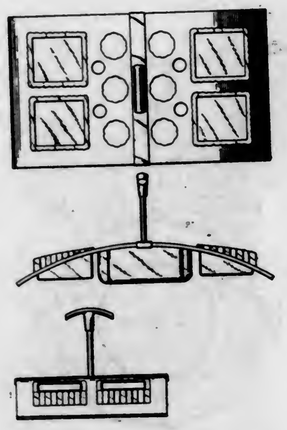
The ornamental design for a frozen food display cabinet, as shown and described.

147,087
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application December 30, 1946, Serial No. 135,835
Term of patent 7 years
(Cl. D3—26)



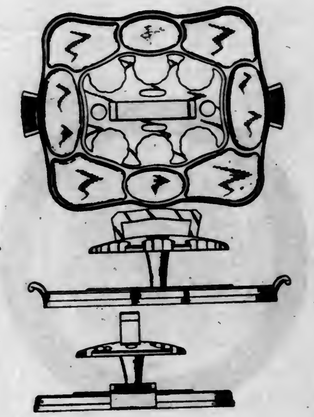
The ornamental design for a dress, substantially as shown.

147,088
DESIGN FOR A HOSTESS TRAY
Milton L. Sturm, Chicago, Ill.
Application June 24, 1946, Serial No. 130,972
Term of patent 14 years
(Cl. D44—10)



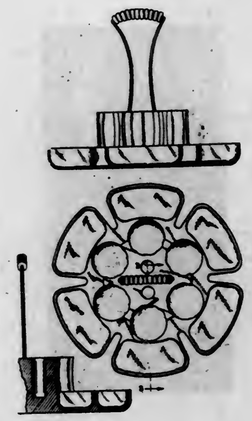
The ornamental design for a hostess tray, substantially as shown.

147,089
DESIGN FOR A HOSTESS TRAY
Milton L. Sturm, Chicago, Ill.
Application June 24, 1946, Serial No. 130,973
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a hostess tray, substantially as shown.

147,090
DESIGN FOR A HOSTESS TRAY
Milton L. Sturm, Chicago, Ill.
Application June 24, 1946, Serial No. 130,974
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a hostess tray, substantially as shown.

147,091
DESIGN FOR A COMBINED MAP AND CLOCK FACE
Andre Tellier, New York, N. Y.
Application April 6, 1946, Serial No. 128,331
Term of patent 14 years
(Cl. D42—7)



The ornamental design for a combined map and clock face, substantially as shown and described.

147,092
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application October 18, 1946, Serial No. 134,062
Term of patent 7 years
(Cl. D92—4)



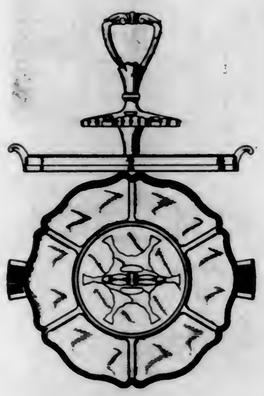
The ornamental design for a carpet or similar article, substantially as shown and described.

147,093
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Fritz Vorsanger, Englewood, N. J.
Application March 19, 1946, Serial No. 127,657
Term of patent 7 years
(Cl. D48—23)



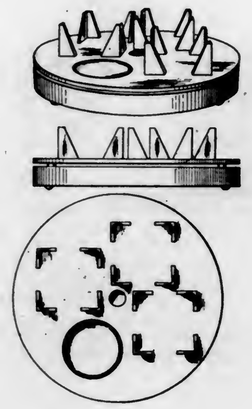
The ornamental design for an electric lighting fixture, as shown.

147,094
DESIGN FOR A HOSTESS TRAY
Chauncey E. Waltman, Chicago, Ill., assignor to Milton L. Sturm, doing business as Milton Sturm & Co., Chicago, Ill.
Application June 24, 1946, Serial No. 130,971
Term of patent 14 years
(Cl. D44—10)



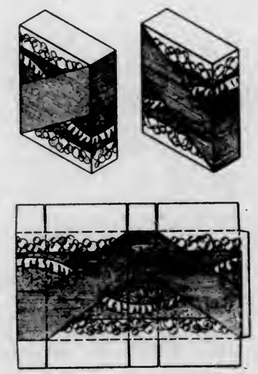
The ornamental design for a hostess tray, substantially as shown.

147,095
DESIGN FOR A WATCH CLEANING TRAY
Roy R. While, Chicago, Ill., assignor to Henry Paulson and Company, Chicago, Ill., a copartnership
Application June 29, 1946, Serial No. 131,194
Term of patent 3½ years
(Cl. D42—1)



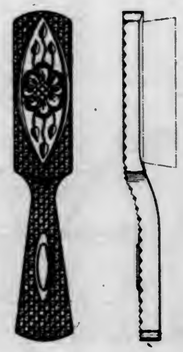
The ornamental design for a watch cleaning tray, as shown.

147,096
DESIGN FOR A PACKAGE FOR SOAP POWDER OR SIMILAR COMMODITY
Neil H. Whitlock, Toledo, Ohio
Application December 12, 1945, Serial No. 124,665
Term of patent 14 years
(Cl. D58—12)



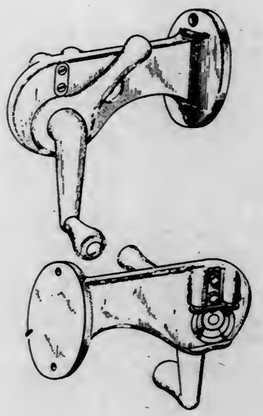
The ornamental design for a package for soap powder or similar commodity, as shown.

147,097
DESIGN FOR A HAIR BRUSH OR SIMILAR ARTICLE
Isadore O. Witte, Los Angeles, Calif., assignor to Le Vant Brush Company, Los Angeles, Calif., a corporation of California
Application December 16, 1946, Serial No. 135,544
Term of patent 3½ years
(Cl. D86—10)



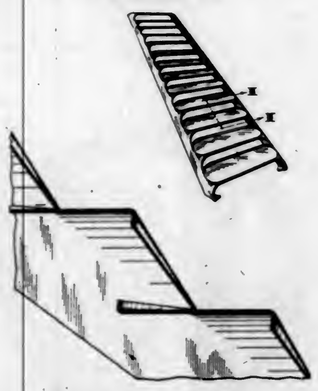
The ornamental design for a hair brush or similar article, substantially as shown and described.

147,098
DESIGN FOR A CAN OPENER
Ernest W. Worley, Kansas City, Kans.
Application March 11, 1946, Serial No. 127,332
Term of patent 14 years
(Cl. D22—2)



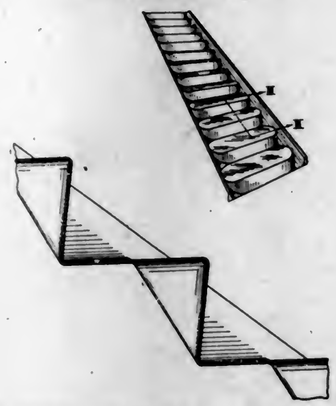
The ornamental design for a can opener, as shown.

147,099
DESIGN FOR A STAIRCASE
Frank J. Zavada, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 3, 1945, Serial No. 118,255
Term of patent 14 years
(Cl. D13—7)



The ornamental design for a staircase, as shown.

147,100
DESIGN FOR A STAIRCASE
Frank J. Zavada, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 3, 1945, Serial No. 118,257
Term of patent 14 years
(Cl. D13—7)



The ornamental design for a staircase, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. & H. Manufacturing Company, St. Charles, Ill. Portable duck hunting blinds. Serial No. 511,586; July 8. Class 22.

A. L. I. Co., Camden, N. J. Publication. Serial No. 457,377; July 8. Class 38.

Abbott Laboratories, North Chicago, Ill. Nutritive preparation. Serial Nos. 508,201–2; July 8. Class 6.

Ace Manufacturing Corporation, Philadelphia, Pa. Special stamping dies, jigs, tools, etc. Serial No. 506,624; July 8. Class 23.

Acme Backing Corporation, New York, N. Y. Narrow strips, wrapping string, and tape. Serial No. 516,048; July 8. Class 7.

Allen, Gabriel, doing business as Independent News Assn., New York, N. Y. News photographs. Serial No. 497,765; July 8. Class 38.

American Latex Products Corporation, Los Angeles, Calif. Molded foam latex cushions. Serial No. 509,127; July 8. Class 32.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, and automobile battery chargers. Serial No. 514,392; July 8. Class 21.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, and automobile battery chargers. Serial No. 514,405; July 8. Class 21.

Animal Trap Company of America, Lititz, Pa. Duck decoys, and decoys for other wild fowl and water fowl. Serial Nos. 499,532–4; July 8. Class 22.

Arvey Corporation, Chicago, Ill. Flexible glass substitutes. Serial No. 508,642; July 8. Class 50.

Associated Manufacturers and Sales Co., Atlanta, Ga. Electric irons. Serial No. 513,922; July 8. Class 21.

Avon Products, Inc., New York, N. Y. Cosmetic sets. Serial No. 508,205; July 8. Class 6.

Battista, Orlando A., Drexel Hill, Pa. Newspaper or magazine feature column. Serial No. 501,559; July 8. Class 38.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags and sacks. Serial No. 510,997; July 8. Class 2.

Benjamin, Chesley L., San Francisco, Calif. Jewelry. Serial No. 490,279; July 8. Class 28.

Binnie Creations, Dearborn, Mich. Articles of jewelry. Serial No. 508,364; July 8. Class 28.

Boltz, F. W., Corp., Los Angeles, Calif. Canned food preparation. Serial No. 508,703; July 8. Class 46.

Book Balance Association, The, Owosso, Mich. Periodical. Serial No. 474,066; July 8. Class 38.

Borgenicht, Jack, Inc., Forest City, Pa. Women's, children's, and infants' dresses. Serial No. 497,448; July 8. Class 39.

Borgfeldt, Geo., Corporation, New York, N. Y. Ash trays and cigarette cases. Serial No. 508,651; July 8. Class 8.

Bristol-Myers Company, New York, N. Y. Deodorant and antiperspirant. Serial No. 506,577; July 8. Class 6.

Buno Company, Inc., Philadelphia, Pa. Preparation for relieving minor scalp irritations and removing loose dandruff, etc. Serial No. 507,510; July 8. Class 6.

Burroughs Wellcome & Co. (U. S. A.), Inc., New York, N. Y. Preparation containing amino acids and polypeptides, carbohydrates, vitamins, etc. Serial No. 508,139; July 8. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 490,738; July 8. Class 6.

Caltex Sportswear Co. of California, Inc., Los Angeles, Calif. Women's and children's knitted sportswear. Serial No. 508,713; July 8. Class 39.

Campus Modes Sportswear Company, Los Angeles, Calif. Women's sportswear. Serial No. 506,641; July 8. Class 39.

Carlson, Harry A., doing business as Carlson Portrait Photographs, Cincinnati, Ohio. Portrait photographs. Serial No. 509,072; July 8. Class 38.

Carlson Portrait Photographers: *See*—
Carlson, Harry A.

Cascade Manufacturing Company, Portland, Oreg. Loaders and centrifugal pumps. Serial No. 510,482; July 8. Class 23.

Central Electric Manufacturing Company, Boulder, Colo. Electrical machines. Serial Nos. 504,963–4; July 8. Class 21.

Chalmers, Keith, & Son, San Francisco, Calif. Ladies' and men's wearing apparel. Serial No. 497,067; July 8. Class 39.

Cinderella Manufacturing Co., Jackson, Mich. Toy animated figures. Serial No. 495,863; July 8. Class 22.

Cinderella Manufacturing Co., Jackson, Mich. Toy miniature cash registers. Serial No. 495,864; July 8. Class 22.

Cisco, Inc., New York, N. Y. Men's sport shirts. Serial No. 493,656; July 8. Class 39.

Comras, J. L., Co., The: *See*—
Comras, Jacob L.

Comras, Jacob L., doing business as The J. L. Comras Co., Providence, R. I. Rosaries, and crosses and medallions. Serial No. 506,649; July 8. Class 28.

Consolidated Paper Company, Monroe and Detroit, Mich., and Aurora, Ill. Paperboard. Serial No. 509,075; July 8. Class 37.

Curtis, Clifton R., doing business as Beaver Labs., Brookfield, N. Y. Medicinal product. Serial No. 484,617; July 8. Class 6.

Devereux Packing Company, Salinas, Calif. Fresh lettuce. Serial No. 498,404; July 8. Class 46.

Dyna-Model Products Company, Oyster Bay, Long Island, N. Y. Toy model airplanes and parts thereof. Serial No. 506,297; July 8. Class 22.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic film. Serial No. 513,036; July 8. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic film, photographic plates, photographic paper, etc. Serial No. 513,102; July 8. Class 26.

Elgin Softener Corporation, Elgin, Ill. Graded siliceous and other insoluble unreactive granular materials. Serial No. 493,669; July 8. Class 1.

Endo Products Inc., New York, N. Y. Medicinal preparation. Serial No. 508,518; July 8. Class 6.

Evans Chemetics Inc., New York, N. Y. Organic chemicals. Serial No. 495,461; July 8. Class 6.

Fly-Lite Tackle Co., Colorado Springs, Colo. Fish lures. Serial No. 504,542; July 8. Class 22.

Forster Manufacturing Co., Inc., Strong, Maine. Clothespins. Serial No. 505,192; July 8. Class 24.

Galter, Oscar R., Chicago, Ill. Combination bottle opener and pocket piece. Serial No. 515,549; July 8. Class 23.

General Dyestuff Corporation, New York, N. Y. Germicidal detergents. Serial No. 505,696; July 8. Class 4.

General Shoe Corporation, Nashville, Tenn. Shoes. Serial No. 508,280; July 8. Class 39.

Giannini, G. M., & Co. Inc., Pasadena, Calif. Pulse jet reaction motors. Serial No. 503,161; July 8. Class 23.

Golay-Buchel & Co. S. A., Le Sentier, Switzerland. Bench trays for watch parts, burnishers, gravers, etc., for watchmakers and jewellers. Serial No. 487,904; July 8. Class 23.

Gorham Manufacturing Company, Providence, R. I. Sterling silver and silverplated flatware, hollowware, and cutlery. Serial No. 503,085; July 8. Class 28.

Green Lane Hosiery Co., Inc., Green Lane, Pa. Ladies' hosiery. Serial No. 508,598; July 8. Class 39.

Guildhall Silversmiths Company, Central Falls, R. I. Sterling silver and silver plated hollowware. Serial No. 508,040; July 8. Class 28.

Hall Brothers, Inc., Kansas City, Mo. Christmas gift tags and enclosure cards, party invitations, birth announcements, etc. Serial No. 510,386; July 8. Class 38.

Hall Brothers, Inc., Kansas City, Mo. Ribbon. Serial No. 510,388; July 8. Class 40.

Harmonic Reed Corporation, Philadelphia, Pa. Harmonicas. Serial No. 507,026; July 8. Class 36.

Hawley & Hoops, New York, N. Y. Candy. Serial No. 510,318; July 8. Class 46.

Heroes All Company, Minneapolis, Minn. Magazine for children. Serial No. 508,479; July 8. Class 38.

Houlgate, Deke, Los Angeles, Calif. Newspaper column. Serial No. 511,018; July 8. Class 38.

Imperial Hosiery Co., Pittsburgh, Pa. Hosiery. Serial No. 487,556; July 8. Class 39.

Independent Drug Co., Jacksonville, Fla. Preparation used for the treatment of biliousness. Serial No. 506,665; July 8. Class 6.

Independent News Assn.: *See*—
Allen, Gabriel.

Interchemical Corporation, New York, N. Y. Synthetic resin paint enamels. Serial No. 498,846; July 8. Class 16.

International Commerce, Inc., Washington, D. C. Electric hand irons. Serial No. 513,938; July 8. Class 21.

International Vitamin Corporation, New York, N. Y. House organ. Serial No. 510,887. July 8. Class 38.

Invicta-Seeland, Inc., New York, N. Y. Watches, watch movements, watch cases and parts thereof. Serial No. 511,091; July 8. Class 27.

Knapp-Sherrill Company, Donna, Tex. Canned tomato juice and canned grapefruit juice. Serial No. 503,577; July 8. Class 46.

Lafond Chocolatier, New York, N. Y. Candy. Serial No. 511,400; July 8. Class 46.

Lakeside Laboratories, Inc., Milwaukee, Wis. Capsules. Serial No. 505,593; July 8. Class 6.
Lakeside Laboratories, Inc., Milwaukee, Wis. Capsules and solution containing vitamin E concentrate. Serial No. 505,600; July 8. Class 6.
Lakeside Malleable Castings Company, Racine, Wis. Ferrous castings. Serial No. 504,496; July 8. Class 14.
Le Tourneau, R. G., Inc., Peoria, Ill. Section heading of a periodical publication. Serial No. 506,042; July 8. Class 38.
Lieber, I., doing business as L. Lieber and Company, New York, N. Y. Jewelry. Serial No. 512,680; July 8. Class 28.
Lieber, I., and Company: *See*—
Lieber, I.
Livingston Paint Company, Glencoe, Ill. Lacquers and lacquer thinner. Serial No. 500,479; July 8. Class 16.
Mallinckrodt Chemical Works, St. Louis, Mo. Paper cups. Serial No. 510,851; July 8. Class 2.
McCrossen Handwoven Textiles, Inc., Santa Fe, N. Mex. Scarfs, neckties, belts, etc. Serial No. 509,715; July 8. Class 39.
McKenzie, Scott, Reno, Nev. Games. Serial No. 505,219; July 8. Class 22.
Means, H. S., Co., Culver City, Calif. Apparel belts. Serial No. 508,434; July 8. Class 39.
Mechanical Handling Systems, Inc., Detroit, Mich. Unitary automatic electric controlled and powered material conveyor, dispatch, pickup and delivery systems. Serial No. 495,489; July 8. Class 21.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, jewelry clips, etc. Serial No. 511,894; July 8. Class 28.
Midland Laboratories, Dubuque, Iowa. Insecticides, liquid shampoo soaps, pipe and drain cleaners, etc. Serial No. 498,298; July 8. Class 6.
Mid-West Coil & Transformer Co., Chicago, Ill. Transformers. Serial No. 514,834; July 8. Class 21.
Monsanto Chemical Company, St. Louis, Mo. Chemical products for use as insecticides, fungicides, mildewproofing agents, etc. Serial No. 508,231; July 8. Class 6.
Motion Picture Equipment Co., Inc., New York, N. Y. Film reels and brackets for supporting the same. Serial No. 512,920; July 8. Class 26.
Murphy, James L., doing business as VanSeaton Chemical Company, Fort Worth, Tex. Medicinal compound. Serial No. 508,913. July 8. Class 6.
National Grinding Wheel Co. Inc., North Tonawanda, N. Y. Grinding wheels, rubbing bricks, grinding blocks, made of abrasive materials. Serial Nos. 496,395–8; July 8. Class 4.
Neilson Chemical Company, Detroit, Mich. Chemical preparation. Serial No. 504,198; July 8. Class 6.
New Jersey State First Aid Council, Dunellen, N. J. Monthly publication. Serial No. 510,857; July 8. Class 38.
Norling & Bloom Company, Boston, Mass. Jewelry. Serial No. 514,286; July 8. Class 28.
Ohio Brass Company, The, Mansfield, Ohio. Rail bonds. Serial No. 512,602; July 8. Class 21.
Ohio Brass Company, The, Mansfield, Ohio. Trolley frogs and trolley switches. Serial No. 512,663; July 8. Class 21.
Oslason, Inc., Fall River, Mass. Mattresses, box springs, and divans. Serial No. 500,408; July 8. Class 32.
Pacific Coast Fibers, Inc., Los Angeles, Calif. Reusable junk. Serial No. 505,612; July 8. Class 1.
Pelaez Music Co., Los Angeles, Calif. Phonograph records. Serial No. 502,455; July 8. Class 36.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 492,513; July 8. Class 6.
Perkins, Dorothy, Company, St. Louis, Mo. Perfume and cologne. Serial No. 506,059; July 8. Class 6.
Perr, Sherman, Newark, N. J. Shaving soaps, shaving creams, and toilet soaps. Serial No. 508,002; July 8. Class 4.
Pessl, Helene, Inc., New York, N. Y. Toilet water, hand lotion, shampoo, etc. Serial No. 509,100; July 8. Class 6.
Pharma-Craft Corporation, The, New York, N. Y. Hair tonic. Serial No. 508,614; July 8. Class 6.
Pioneer Products, Inc., Baltimore, Md. Cutting and processing oil. Serial No. 499,652; July 8. Class 15.
Pioneer Suspender Company, Philadelphia, Pa. Wrist watch straps and buckles. Serial No. 515,845; July 8. Class 40.
Plastoid Corporation, New York, N. Y. Electrical plugs. Serial No. 514,489; July 8. Class 21.
Plough, Inc., Memphis, Tenn. Medicinal liniment. Serial No. 467,166; July 8. Class 6.
Posnansky, Israel, New York, N. Y. Watches, watch movements and watch parts. Serial No. 510,108; July 8. Class 27.
Primex Equipment Company, Chicago, Ill. X-ray equipment. Serial No. 512,794; July 8. Class 26.
Prince Matchabelli, Inc., New York, N. Y. Colognes. Serial Nos. 508,125–6; July 8. Class 6.
Purex Products, Incorporated, Baltimore, Md. After shave lotion. Serial No. 499,276; July 8. Class 6.
Puritan Knitting Mills Co., The, Altoona, Pa. Sweaters, scarfs, bathing suits, etc. Serial No. 494,281; July 8. Class 39.
Purofied Down Products Corp, New York and Brooklyn, N. Y. Pillows. Serial No. 479,358; July 8. Class 32.
Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Belt type, power-driven, portable conveyors, and parts thereof. Serial No. 506,921; July 8. Class 23.
Reynolds Metals Company, Richmond, Va. Yarn. Serial No. 495,098; July 8. Class 43.
Roberts, Sanford & Taylor Co., Sherman, Tex. Fishing tackle. Serial No. 504,793; July 8. Class 22.
Rodgers, Charles R., Providence, R. I. Flatware and hollow ware. Serial No. 510,112; July 8. Class 28.
Rogers Peet Company, New York, N. Y. Men's and boys' suits, sport jackets, slacks, etc. Serial No. 508,192; July 8. Class 39.
Rosanne Manufacturing Company, Inc., York, Pa. Brassière replacement back straps, girdle hooks, brassière shoulder straps, etc. Serial No. 512,934; July 8. Class 40.
Rotiss-O-Mat Corporation, Astoria, Long Island, N. Y. Electric rotisseries. Serial No. 514,566; July 8. Class 21.
Rubin, Dave L., Houston, Tex. Jewelry. Serial No. 507,275; July 8. Class 28.
S-K Forms Company, Philadelphia, Pa. Bond paper. Serial No. 506,129; July 8. Class 37.
Saenz, Briones & Cia., Buenos Aires, Argentina. Perfumes, perfume extracts; and perfume lotions. Serial Nos. 481,432–3; July 8. Class 6.
Saunders Machine and Tool Corporation, New York, N. Y. Electrical irons, electrical travelling irons, and electrical steam irons. Serial No. 514,500; July 8. Class 21.
Schapiro, Daisy, New York, N. Y. Shoes and slippers. Serial No. 499,921; July 8. Class 39.
Schneider, Louis M., New York, N. Y. Newspaper feature articles. Serial No. 506,965; July 8. Class 38.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin preparation. Serial No. 508,822; July 8. Class 6.
Shea, Peter L., Union City, N. J. Plastic novelty jewelry, costume jewelry, ornamental pins, etc. Serial No. 516,379; July 8. Class 28.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Butcher's kraft wrapping paper. Serial No. 463,937; July 8. Class 37.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. Serial No. 508,869; July 8. Class 37.
Southern Knitwear Mills, Inc., Charlotte, N. C. Children's clothing. Serial No. 507,861; July 8. Class 39.
Southern Specialties Corporation, Charlotte, N. C. Germicide and deodorizer. Serial No. 508,751; July 8. Class 6.
Special Chemicals Corp., New York, N. Y. Electric current rectifier. Serial No. 501,879; July 8. Class 21.
Spiegel, Inc., Chicago, Ill. Roller skates, ice skates, baseballs, etc. Serial No. 482,709; July 8. Class 22.
Standard Oil Company (New Jersey), Flemington, N. J., and New York, N. Y. Periodical. Serial No. 511,040; July 8. Class 38.
Stern, Herbert, Co.: *See*—
Stern, Herbert J.
Stern, Herbert J., doing business as Herbert Stern Co., Boston, Mass. Leather goods. Serial No. 514,310; July 8. Class 3.
Sun Oil Company, Philadelphia, Pa. Plasticizer for rubber. Serial No. 508,824; July 8. Class 6.
Sun Radio & Electronics Co., Inc., New York, N. Y. Radiotransmitting sets, radio-receiving sets and parts therefor. Serial No. 512,720; July 8. Class 21.
Tex Products, Inc., Newark, N. J. Insecticides. Serial No. 507,158; July 8. Class 6.
Thompson, Wm. T., doing business as Wm. T. Thompson Company, Los Angeles, Calif. Protein hydrolacy product. Serial No. 493,465; July 8. Class 6.
Thompson, Wm. T., Company: *See*—
Thompson, Wm. T.
Union Carbide and Carbon Corporation, New York, N. Y. Flame and heat resistant gloves. Serial No. 490,154; July 8. Class 39.
Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. Serial No. 494,726; July 8. Class 23.
United Luggage Company, Inc., New York, N. Y. Valises and suit cases. Serial No. 511,707; July 8. Class 3.
Universal Bowling & Billiard Supply: *See*—
Weinstein, Samuel.
Untermeyer Robbins & Co., New York, N. Y. Finger rings. Serial No. 500,149; July 8. Class 28.
Vanguard Corporation, Springfield, Mass. Inflatable cushions, pillows, and mattresses. Serial No. 498,664; July 8. Class 32.
Van-Seaton Chemical Company: *See*—
Murphy, James L.
Velsicol Corporation, Chicago, Ill. Core oils. Serial No. 499,587; July 8. Class 5.
Velsicol Corporation, Chicago, Ill. Core oils. Serial No. 499,590; July 8. Class 5.
Vendo Company, The, Kansas City, Mo. Combination mechanically and electrically operated door opening mechanism. Serial No. 513,960; July 8. Class 21.
Virtue Bros. Mfg. Co., Los Angeles, Calif. Metal and wood furniture. Serial No. 506,211; July 8. Class 32.
Vita-Var Corporation, Newark, N. J. Insecticide. Serial No. 507,164; July 8. Class 6.

Vogel, Franz, Company, Inc., New York, N. Y. Umbrellas. Serial No. 501,889; July 8. Class 41.
Wakmann, Icko, doing business as Wakmann Watch Company, New York, N. Y. Watches. Serial No. 502,547; July 8. Class 27.
Wakmann, Icko, doing business as Wakmann Watch Company, New York, N. Y. Watches. Serial No. 514,674; July 8. Class 27.
Wakmann Watch Company: *See*—
Wakmann, Icko.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric rheostats, electric illumination control apparatus, electric motor starters, etc. Serial No. 504,811; July 8. Class 21.
Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, and parts thereof. Serial No. 509,186; July 8. Class 37.
Weinreich Brothers Co.: *See*—
Weinreich, Sol E.
Weinreich, Sol E., doing business as Weinreich Brothers Co., New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. Serial No. 482,452; July 8. Class 28.
Weinstein, Samuel, doing business as Universal Bowling & Billiard Supply, Chicago, Ill. Bowling and billiard equipment and supplies. Serial No. 504,812; July 8. Class 22.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycles and parts thereof and children's vehicles. Serial No. 499,092; July 8. Class 19.
Whiting-Adams Company, Inc., Boston, Mass. Sash tool brushes. Serial Nos. 513,352–3; July 8. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. Serial No. 513,357; July 8. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. Serial No. 513,360; July 8. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes. 513,363; July 8. Class 29.
Whiz Fish Products Company, Seattle, Wash. Canned shellfish and canned fish. Serial No. 508,771; July 8. Class 46.
Wilkins, E. J., Company, Gloversville, N. Y. Key cases. Serial No. 515,852; July 8. Class 3.
Young, W. T., Foods, Inc., doing business as William T. Young and Co., Lexington, Ky. Foods. Serial No. 506,489; July 8. Class 46.
Young, William T., and Co.: *See*—
Young, W. T., Foods, Inc.
Youngsters Shoes Ltd., Chicago, Ill. Shoes and slippers. Serial No. 502,246; July 8. Class 39.
Zenith Radio Corporation, Chicago, Ill. Electrically operated talking machines and parts thereof. Serial No. 483,049; July 8. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Alien Property Custodian: *See*—
Byk-Guldenwerke Chemische Fabrik.
Mulhens & Kropff, Incorporated.
Allied Display Materials, Inc., New York, N. Y. Manikins, figures portraying human beings, birds, etc. 431,093; July 8; Serial No. 499,935; published Apr. 22, 1947. Class 50.
Altman, B., & Co.: *See*—
Altman, Benjamin.
Altman, Benjamin, to B. Altman & Co., New York, N. Y. Merino dry goods, underwear. 29,814; re-renewed Apr. 13, 1947. O. G. July 8. Classes 39 and 42.
Aluminum Seal Company, Arnold, Pa. Caps and closure seals. 431,115; July 8; Serial No. 505,792; published Apr. 15, 1947. Class 50.
American Distilling Company, The, Pekin, Ill., to Commercial Solvents Corporation, New York, N. Y. Denatured alcohol. 224,167; renewed Feb. 22, 1947. O. G. July 8. Class 6.
American Resistor Company, Milwaukee, Wis., assignor to American Resistor Corporation, to The Carborundum Company, Niagara Falls, N. Y. Electrical appliances. 234,147; renewed Oct. 18, 1947. O. G. July 8. Class 21.
American Resistor Corporation: *See*—
American Resistor Company.
American Beauty Macaroni Co.: *See*—
Kansas City Macaroni & Importing Co.
American Beauty Macaroni Company: *See*—
Kansas City Macaroni & Importing Co.
American Lady Corset Co., Detroit, Mich. Corsets, brassières, girdles, etc. 220,129; renewed Nov. 2, 1946. O. G. July 8. Class 39.
American Lady Corset Co., Detroit, Mich. Corsets, brassières, girdles, etc. 220,855; renewed Nov. 16, 1946. O. G. July 8. Class 39.
Ames Safety Envelope Company: *See*—
Fitzgerald, John W.
Apollinaris Company Limited, The: *See*—
Die Actiengesellschaft Appollinaris Brunnen.
Arms, Leland J., San Francisco, Calif. Mechanically grooved phonograph records. 431,137; July 8. Class 36.
Ayer, Harriet H.: *See*—
French Beauty Products Co., Inc.
Beacon Laboratories, New Brunswick, N. J. Preparation for preventing browning and flavor loss in the freezing and canning of fruits and vegetables. 431,144; July 8. Class 6.
Bee-Em Manufacturing Co., Inc., Brooklyn, N. Y. Bob pins, hair pins, combs, and non-electric hair curlers. 431,120; July 8; Serial No. 508,138; published Apr. 8, 1947. Class 40.
Belding Heminway Company, New York, N. Y. Women's leather and plastic handbags. 431,125; July 8; Serial No. 511,789; published Apr. 8, 1947. Class 3.
Bel Paese Sales Co. Inc.: *See*—
Societa Anonima Egidio Galbani.
Betz, W. H. & L. D., Philadelphia, Pa. Chemical compound. 226,779; renewed Apr. 19, 1947. O. G. July 8. Class 6.
Blazier, Eugene, Sr., Vancouver, Wash. Liquid chemical. 431,135; July 8. Class 6.
Blood, Frank A., doing business as F. A. B. Sales Co., Dallas, Tex. Paper place mats, paper doilies, paper coasters, etc. 431,097; July 8; Serial No. 501,817; published Apr. 22, 1947. Class 50.
Boronow, Robert R., Limited, Montreal, Quebec, Canada. Knitted suits, knitted dresses, knitted sweaters, etc. 223,215; renewed Jan. 18, 1947. O. G. July 8. Class 39.
Boston Varnish Company, Everett, Mass. Ready mixed paints. 431,090–1; July 8; Serial Nos. 498,201–2; published Apr. 15, 1947. Class 16.
Boston Wire Stitcher Company, East Greenwich, R. I., to Boston Wire Stitcher Company, Stonington, Conn. Staples. 226,587; renewed Apr. 12, 1947. O. G. July 8. Class 13.
Bottled Gas Company of America, The, Westfield, N. J. Bottled gas. 431,145–6; July 8. Class 6.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 222,876–7; renewed Jan. 11, 1947. O. G. July 8. Class 42.
Brown, Mabelle J.: *See*—
Johnson, E. Kingsland.
Burnett, Joseph, Company, Boston, Mass. Spices and flavoring extracts. 223,441; renewed Feb. 1, 1947. O. G. July 8. Class 46.
Byk-Guldenwerke Chemische Fabrik, Berlin, Germany; vested in the Alien Property Custodian, Washington, D. C. Rennet preparations of every kind—that is, powder, extract, and tablets; etc. 228,212; renewed May 24, 1947. O. G. July 8. Class 6.
Calaveras Cement Company, San Francisco, Calif. Cement. 226,206; renewed Apr. 5, 1947. O. G. July 8. Class 12.
Carborundum Company, The: *See*—
American Resistor Company.
Carpenter, L. E., & Co., Inc., Newark, N. J., to The Holliston Mills, Inc., Norwood, Mass. Artificial-leather cloth or artificial leather. 225,452; renewed Mar. 22, 1947. O. G. July 8. Class 50.
Chandler & Price Company, The, Cleveland, Ohio. Paper cutters and paper cutting machines and parts thereof, etc. 227,421; renewed May 3, 1947. O. G. July 8. Class 23.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 225,836; renewed Mar. 29, 1947. O. G. July 8. Class 23.
Coast Manufacturing & Supply Co., Berkeley, Calif., to The Ensign-Bickford Co., Simsbury, Conn. Fuses. 62,243; re-renewed Apr. 30, 1947. O. G. July 8. Class 9.
Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Rifles and guns. 58,249,; re-renewed Dec. 11, 1946. O. G. July 8. Class 9.
Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Rifles and guns. 58,277–8; re-renewed Dec. 11, 1946. O. G. July 8. Class 9.
Columbus Metal Products, Inc.: *See*—
Franklin Oil Heating, Inc.
Commercial Solvents Corporation: *See*—
American Distilling Company, The.
Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn., to Great American Industries, Inc., New York, N. Y. Condensers, breaker-plate assemblies, coils, switches, etc. 226,225; renewed Apr. 5, 1947. O. G. July 8. Class 21.
Consolidated Machine Tool Corporation: *See*—
Newton Machine Toolworks, Incorporated.
Crane & Co., Inc.: *See*—
Crane, Z. & W. M., Inc.
Crane, Z. & W. M., Inc., to Crane & Co. Inc., Dalton, Mass. Writing paper and envelopes. 227,036; renewed Apr. 26, 1947. O. G. July 8. Class 37.

Creolin Co., The,: *See*—
Pearson, William.

Croda, Limited, Goole, England. Rust preventive coating in the nature of a paint. 431,082; July 8; Serial No. 487,031; published Apr. 15, 1947. Class 16.

Cudahy Packing Company, The, Chicago, Ill. Soap powder combined with mineral ingredients. 224,182; renewed Feb. 22, 1947. O. G. July 8. Class 4.

Curtis, Helene, Industries, a Division of The National Mineral Company, Chicago, Ill.; The National Mineral Company, now by change of name Helene Curtis Industries, Inc. Oil preparation. 431,128; July 8. Class 6.

Curtis, Helene, Industries, Inc.: *See*—
Curtis, Helene, Industries, a Division of The National Mineral Company.

Danco Corporation, New York, N. Y. Tobacco pipes. 431,153; July 8. Class 8.

Davis, H. B., Company, The, Baltimore, Md. Paints (ready mixed and liquid, paste form, and dry), paint enamels, etc. 431,088; July 8; Serial No. 497,922; published Apr. 15, 1947. Class 16.

Die Actiengesellschaft Apollinaris Brunnen, Neuenahr, Germany, to The Apollinairs Company Limited, London, England. Mineral water. 53,335; re-renewed May 29, 1946. O. G. July 8. Class 45.

Di Santo & Co.: *See*—
Di Santo, Joseph.

Di Santo, Joseph, doing business as Di Santo & Co., Duluth, Minn. Malt sirup, candies, olive oil, etc. 227,054; renewed Apr. 26, 1927. O. G. July 8. Class 46.

Dodd, Horace G., doing business as Eastern Pharmaceutical Co., to Eastern Pharmaceutical Company, Incorporated, Richmond, Va. Medicines in elastic capsule form. 225,741; renewed Mar. 22, 1947. O. G. July 8. Class 6.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Threads, twists, and yarns. 220,398–400; renewed Nov. 9, 1946. O. G. July 8. Class 43.

Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse, France. Threads, twists, and yarns. 220,653; renewed Nov. 16, 1946. O. G. July 8. Class 43.

Dumouchel, Johanna, doing business as Dumouchel's Art-Stone Co., Kalamazoo, Mich. Modeling compound. 226,310; renewed Apr. 5, 1947. O. G. July 8. Class 1.

Dumouchel's Art-Stone Co.: *See*—
Dumouchel, Johanna.

Dunham, Carrigan & Hayden Co., San Francisco, Calif. Hatchets, axes, chisels, etc. 60,972; re-renewed Feb. 26, 1947. O. G. July 8. Class 23.

Du Pont, E. I., de Nemours and Company: *See*—
Harrison Brothers & Co.
Roessler & Hasslacher Chemical Company, The.

Eastern Pharmaceutical Co.: *See*—
Dodd, Horace G.

Eastern Pharmaceutical Company Incorporated: *See*—
Dodd, Horace G.

Edelblute Manufacturing Company: *See*—
Edelblute, Thomas H.

Edelblute, T. H., Company: *See*—
Edelblute, Thomas H.

Edelblute, Thomas H., doing business as T. H. Edelblute Company, Pittsburgh, to Edelblute Manufacturing Company, Reynoldsville, Pa. Metal-railway-track braces, also known as gauge rods. 226,739; renewed Apr. 19, 1947. O. G. July 8. Class 13.

Edwards, Helen F., doing business as Helen Frances Edwards Creations, New York, N. Y. Chemical compound. 431,158; July 8. Class 6.

Edwards, Helen Frances, Creations: *See*—
Edwards, Helen F.

Eisenstadt Manufacturing Company, St. Louis, Mo. Brooches, stick-pins, scarf-pins, etc. 59,350; re-renewed Jan. 8, 1947. O. G. July 8. Class 28.

Eisenstadt Manufacturing Company, St. Louis, Mo. Watch-movements and watchcases. 60,375; re-renewed Feb. 5, 1947. O. G. July 8. Class 27.

Electrolux Corporation, New York, N. Y. Weekly publications. 431,080; July 8; Serial No. 480,282; published Apr. 15, 1947. Class 38.

Elevator Supplies Company, Inc., Hoboken, to Elevator Supplies Company, Inc., Perth Amboy, N. J. Electrically-operated elevators, lifts, and platforms, etc. 225,340; renewed Mar. 15, 1947. O. G. July 8. Class 21.

Elliman Sons & Co., to Elliman Sons & Co., Limited, Slough, England. Embrocation for human use. 29,094; re-renewed Nov. 3, 1946. O. G. July 8. Class 6.

Elliman Sons & Co., Limited: *See*—
Elliman Sons & Co.

El Paso Natural Gas Company, El Paso, Tex. Publication. 431,111; July 8; Serial No. 504,887; published Apr. 8, 1947. Class 38.

Empire Rayon Yarn Co., Inc., New York, N. Y. Rayon yarn. 431,098; July 8; Serial No. 502,129; published Apr. 15, 1947. Class 43.

Ensign-Bickford Co., The: *See*—
Coast Manufacturing & Supply Co.

Esberg-Gunst Company, to General Cigar Co., Inc., New York, N. Y. Cigars, cheroots, and little cigars. 59,664; re-renewed Jan. 15, 1947. O. G. July 8. Class 17.

F. A. B. Sales Co: *See*—
Blood, Frank A.

Fairbank, N. K., Company, The, Jersey City, N. J., to Lever Brothers Company, Cambridge, Mass. Washing-powder. 57,224; re-renewed Nov. 6, 1946. O. G. July 8. Class 4.

Feder, Louis, New York, N. Y. Hair goods, made of human hair. 431,109–10; July 8; Serial Nos. 504,536–7; published Apr. 15, 1947. Class 40.

Fishbein & Co., Inc., New York, N. Y. Ladies' and misses' handbags. 431,124; July 8; Serial No. 511,547; published Apr. 8, 1947. Class 3.

Fitzgerald, John W., doing business as Ames Safety Envelope Company, Boston, to Ames Safety Envelope Company, Somerville, Mass. Envelopes. 226,867; renewed Apr. 19, 1947. O. G. July 8. Class 37.

Franklin Oil Heating, Inc., to Columbus Metal Products, Inc., Columbus, Ohio. Oil burners. 225,489; renewed Mar. 22, 1947. O. G. July 8. Class 34.

Franklin Simon & Co. Inc., New York, N. Y. Fancy jewelry consisting of necklaces, pendants, bracelets, etc. 226,298; renewed Apr. 5, 1947. O. G. July 8. Class 28.

Franklin Simon & Co. Inc., New York, N. Y. Fancy jewelry consisting of necklaces, pendants, bracelets, pins, etc. 227,314; renewed May 3, 1947. O. G. July 8. Class 28.

French Beauty Products Co., Inc., to Harriet Hubbard Ayer, New York, N. Y. Face powder. 222,862; renewed Jan. 11, 1947. O. G. July 8. Class 6.

General Cigar Co., Inc.: *See*—
Esberg-Gunst Company.

General Features Corporation, New York, N. Y. Newspaper cartoon feature. 431,112; July 8; Serial No. 505,052; published Apr. 22, 1947. Class 38.

General Mills, Inc.: *See*—
Northwestern Consolidated Milling Company.
Purity Oats Company.
Red Star Milling Co., The.

General Plate Company, to Metals & Controls Corporation, Attleboro, Mass. Nonferrous alloys. 226,514; renewed Apr. 12, 1947. O. G. July 8. Class 14.

Gevaert Photo Production Naamlooze Vennootschap, Oude-God, near Antwerp, Belgium. Sensitive photographic papers and plates, films, film packs, etc. 221,381; renewed Nov. 30, 1946. O. G. July 8. Class 26.

Gilmore, Folliard F., Boston, Mass. Diamond-pointed cutting, dressing, and turning tools. 226,024; renewed Mar. 29, 1947. O. G. July 8. Class 23.

Glidden Company, The: *See*—
Heath & Milligan Mfg. Co.

Gort, Eric H., Inc., Metuchen, N. J. Ornamental and utility pottery. 431,081; July 8; Serial No. 481,065; published Apr. 8, 1947. Class 30.

Gort, Eric H., Inc., Metuchen, N. J. Figurines and statuettes. 431,085; July 8; Serial No. 490,819; published Apr. 8, 1947. Class 50.

Great American Industries, Inc.: *See*—
Connecticut Telephone & Electric Company, The.

Greneker Corporation, The, New York, N. Y. Heads and manikins. 431,132; July 8.

Hall-Watson Company, Inc., The, New York, N. Y. Chemical addition to fuel oil. 431,155; July 8. Class 6.

Hamilton Drug Co., Inc.: *See*—
Poloris Company, Inc.

Hardtmuth, L. & C., Vienne and Budweis, Austria-Hungary, and London, England, to L. & C. Hardmuth, Inc., Bloomsbury, N. J. Artists' brushes. 60,532; re-renewed Feb. 12, 1947. O. G. July 8. Class 29.

Hardtmuth, L. & C., Inc.: *See*—
Hardtmuth, L. & C.
Hassinger, Egon.

Harrison Brothers & Co., Philadelphia, Pa., to E. I. du Pont de Nemours and Company, Wilmington, Del. Alum. 29,363; re-renewed Dec. 29, 1946. O. G. July 8. Class 6.

Hartford Rubber Works Company, Hartford, Conn., to United States Rubber Company, New York, N. Y. Pneumatic tires. 28,974; re-renewed Oct. 6, 1946. O. G. July 8. Class 35.

Hassinger, Egon, Paris, France, to L. & C. Hardtmuth, Inc., Bloomsbury, N. J. Carbon-paper and chemical paper. 60,192; re-renewed Jan. 29, 1947. O. G. July 8. Class 11.

Heath & Milligan Co., to The Glidden Company, Chicago, Ill. Stain for imitating natural wood. 57,708; re-renewed Nov. 27, 1946. O. G. July 8. Class 16.

Hinson & Company, Richmond, Ind. Dry cleaner, pore filler polish and waxing composition. 431,156; July 8. Class 16.

Holliston Mills, Inc., The: *See*—
Carpenter, L. E., & Co., Inc.

Howard, C., Pen Company, Camden, N. J. Lettering, writing, and drawing ink. 222,549; renewed Jan. 4, 1947. O. G. July 8. Class 11.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Electric paint sprayers. 431,148; July 8. Class 21.

Imperial Trust for the Encouragement of Scientific and Industrial Research, The, London, England. Tuning forks. 221,781; renewed Dec. 14, 1946. O. G. July 8. Class 36.

Imperial Trust for the Encouragement of Scientific and Industrial Research, The, London, England. Clinical thermometers. 222,514; renewed Jan. 4, 1947. O. G. July 8. Class 44.

Inertol Co., Inc., Newark, N. J. Waterproofing and protective coatings. 431,086; July 8; Serial No. 492,140; published Apr. 15, 1947. Class 16.

Island Specialty Co., Inc., New York and Brooklyn, N. Y. Prepared mix for the making of fritters. 431,157; July 8. Class 46.

Iteco Company, The, to Iteco Dental Manufacturing Company, Portland, Ore. Condensation material for dental work and dentures. 225,944; renewed Mar. 29, 1947. O. G. July 8. Class 44.

Iteco Dental Manufacturing Company: *See*—
Iteco Company, The.

Johnson, E. Kingsland, Fishkill, N. Y. to Kingsland E. Johnson and Mabelle Johnson Brown, New Bedford, Mass. Salve. 217,285; renewed Aug. 31, 1946. O. G. July 8. Class 6.

Johnson, Kingsland E.: *See*—
Johnson, E. Kingsland.

Johnston, Charles N., San Francisco, Berkeley, Palo Alto, and Oakland, Calif. Photographs. 431,089; July 8; Serial No. 498,146; published Apr. 22, 1947. Class 38.

Jonas, Juliet J.: *See*—
Jonas, Juliet Johanna.

Jonas, Juliet Johanna, also known as Juliet J. Jonas, New York, N. Y. Ladies' hats, coats, and gowns. 220,395; renewed Nov. 9, 1946. O. G. July 8. Class 39.

Jones Dairy Farm: *See*—
Jones Dairy Farm, The.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages. 58,590; re-renewed Dec. 18, 1946. O. G. July 8. Class 46.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages. 58,648; re-renewed Dec. 18, 1946. O. G. July 8. Class 46.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages, hams, bacon, etc. 60,458; re-renewed Feb. 12, 1947. O. G. July 8. Class 46.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages, hams, bacon, etc. 60,482; re-renewed Feb. 12, 1947. O. G. July 8. Class 46.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages, hams, bacon. 61,297; re-renewed Mar. 12, 1947. O. G. July 8. Class 46.

Jones Dairy Farm, The, to Jones Dairy Farm, Fort Atkinson, Wis. Sausages, hams, bacon, etc. 62,268; re-newed Apr. 30, 1947. O. G. July 8. Class 46.

Kansas City Macaroni & Importing Co., doing business as American Beauty Macaroni Co. to American Beauty Macaroni Company, Kansas City, Mo. Ready-cut macaroni. 212,208; renewed Apr. 27, 1946. O. G. July 8. Class 46.

Kaufmann, K., & Co., Inc., Newark, N. J. Traveling bags, suit cases, and portable wardrobe cases, etc. 431,106; July 8; Serial No. 504,277; published Apr. 8, 1947. Class 3.

Kelley, James T., Portland, Oreg. Medicament for the relief of common head colds. 431,152; July 8. Class 6.

Klein, L., Inc., Chicago, Ill. Boys' suits and men's negligee and dress shirts. 222,872; renewed Jan. 11, 1947. O. G. July 8. Class 39.

Knitters Yarn, Inc., Philadelphia, Pa. Yarn. 431,121; July 8; Serial No. 509,518; published Apr. 15, 1947. Class 43.

Kohnstamm, H., & Co., to H. Kohnstamm & Co., Inc., New York, N. Y. Coal-tar dyes and vegetable dye extracts. 59,561; re-renewed Jan. 8, 1947. O. G. July 8. Class 6.

Kohnstamm, H., & Co., Inc.: *See*—
Kohnstamm, H., & Co.

Laucks, I. F., Inc., assignor to Monsanto Chemical Company, Seattle, Wash. Paints in ready mixed form. 431,092; July 8; Serial No. 498,529; published Apr. 15, 1947. Class 16.

Les Établissements Poulenc Frères to Societe des Usines Chemiques Rhone-Poulenc, Paris, France. Anesthetic preparation. 59,226; re-renewed Jan. 1, 1947. O. G. July 8. Class 6.

Lever Brothers Company: *See*—
Fairbank, N. K., Company, The.

Linde, J. E., Paper Co., New York, N. Y. Book paper, cover paper, bond paper, etc. 226,526; renewed Apr. 12, 1947. O. G. July 8. Class 37.

Loewe & Co., to Loewe & Co., Limited, London, England. Wooden tobacco-pipes. 57,789; re-renewed Nov. 27, 1946. O. G. July 8. Class 8.

Loewe & Co., Limited: *See*—
Loewe & Co.

Lucas, John, & Company, Incorporated, Philadelphia, Pa. Paints, and paint enamels. 431,105; July 8; Serial No. 504,192; published Apr. 1, 1947. Class 16.

Luce Manufacturing Company, doing business as Lucky Tripper Luggage Company, Kansas City, Mo. Luggage. 431,117; July 8; Serial No. 507,203; published Apr. 8, 1947. Class 3.

Lucky Tripper Luggage Company: *See*—
Luce Manufacturing Company.

Maas & Waldstein Company, Newark, N. J. Paints in paste and ready mixed form, varnishes, paint enamels, etc. 431,083; July 8; Serial No. 487,195; published Apr. 15, 1947. Class 16.

Macasphalt Corporation: *See*—
McDonald, Wm. P., Construction Company.

MacDougall, Alice Foote, The Estate of: *See*—
MacDougall, Alice Foote, & Sons, Incorporated.

MacDougall, Alice Foote, & Sons, Incorporated, to Rella G. MacDougall, administratrix c. t. a. of the estate of Alice Foote MacDougall (deceased), New York, N. Y. Coffee, tea, and cocoa. 221,996; renewed Dec. 21, 1946. O. G. July 8. Class 46.

MacDougall, Rella G., administratrix: *See*—
MacDougall, Alice Foote, & Sons, Incorporated.

Mailcraft: *See*—
Wilhelm, Robert P.

McDonald, Wm. P., Construction Company, New York and Flushing, N. Y., to Macasphalt Corporation, Dover, Del., and Lakeland, Fla. Asphaltic concrete mixture. 226,331; renewed Apr. 5, 1947. O. G. July 8. Class 12.

Metals & Controls Corporation: *See*—
General Plate Company.

Meyers, A., & Sons Corp., New York, N. Y. Straight pins, safety pins, T pins, etc. 431,116; July 8; Serial No. 506,539; published Apr. 8, 1947. Class 40.

Meyers, Maxwell, Inc., San Antonio, Tex. Musical instruments. 431,087; July 8; Serial No. 492,648; published Apr. 22, 1947. Class 36.

Micro Musical Products Corporation: *See*—
Schwartz, J., Music Co., Inc.

Monsanto Chemical Company: *See*—
Laucks, I. F., Inc.

Moo-Vie Auction Sales, Inc., Pittsburgh, Pa. Physically grooved transcription records. 431,095; July 8; Serial No. 500,817; published Apr. 22, 1947. Class 36.

Morten Milling Company: *See*—
New Century Milling Company, The.

Mulhens & Kropff, Incorporated, New York, N. Y.; vested in the Alien Property Custodian, Washington, D. C. Talcum powder, bath dusting powder, and toilet powder. 220,644; renewed Nov. 16, 1946. O. G. July 8. Class 6.

Murphy, John W., doing business as Murphy Laboratories, assignor to Murphy Laboratories Inc., Upper Darby, Pa. Disinfectant, deodorant, and germicide. 431,140; July 8. Class 6.

Murphy Laboratories: *See*—
Murphy, John W.

Murphy Laboratories Inc., assignee: *See*—
Murphy, John W.

National Lead Company, Jersey City, N. J., and New York, N. Y., to National Lead Company, New York, N. Y. White lead. 62,136; re-renewed Apr. 23, 1947. O. G. July 8. Class 16.

National Mineral Company, The: *See*—
Curtis, Helene, Industries, a Division of The National Mineral Company.

Naus Trimming Co., Inc., New York, N. Y. Buttons. 431,119; July 8; Serial No. 507,589; published Apr. 8, 1947. Class 40.

New Century Milling Company, The, to Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex. Wheat-flour. 56,830; re-renewed Oct. 23, 1946. O. G. July 8. Class 46.

Newsstand Publications Inc., New York, N. Y. Magazine or publication. 431,107; July 8; Serial No. 504,379; published Apr. 15, 1947. Class 38.

Newton Machine Toolworks, Incorporated, Philadelphia, Pa., to Consolidated Machine Tool Corporation, Rochester, N. Y. Milling machines, planing machines, drilling and boring machines, etc. 62,316; re-renewed Apr. 30, 1947. O. G. July 8. Class 23.

New York Merchandise Co., Inc., New York, N. Y. Combs. 431,103; July 8; Serial No. 503,316; published Apr. 8, 1947. Class 40.

Northwestern Consolidated Milling Company, The, to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 61,788; re-renewed Apr. 2, 1947. O. G. July 8. Class 46.

Nova Chemical Corporation, New York, N. Y. Dye-stuffs and pigment colors. 431,133; July 8. Class 6.

Olin Industries, Inc.: *See*—
Winchester Repeating Arms Co.

Orange Smile Sirup Company, The, to The Orange Smile Sirup Company, St. Louis, Mo. Non-alcoholic maltless beverages and flavors therefor. 225,425; renewed Mar. 15, 1947. O. G. July 8. Class 45.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Co., The.

Paraffine Paint Co., The, to The Paraffine Companies, Inc., San Francisco, Calif. Waterproof and weatherproof building and roofing material. 57,538; re-renewed Nov. 13, 1946. O. G. July 8. Class 12.

Pearson, William, Hamburg, Germany, to The Creolin Co., Rahway, N. J. Disinfectants, deodorants, germ-destroyers, etc. 59,517; re-renewed Jan. 8, 1947. O. G. July 8. Class 6.

Pecker, Joseph S., Los Angeles, Calif. Liquid laundry starch. 431,131; July 8. Class 6.

Pelham Products, New York, N. Y. Musical instruments. 431,139; July 8. Class 36.

Peters, Charles A., Bayside, Long Island, N. Y. China, porcelain, and earthenware articles. 431,099; July 8; Serial No. 502,766; published Apr. 22, 1947. Class 30.

Pinkham, Lydia E., Medicine Company, Lynn, Mass. Pills for treatment of the liver. 58,761; re-renewed Dec. 25, 1946. O. G. July 8. Class 6.

Plee-Zing Corp., The, assignee: *See*—
Plee-Zing Corporation, The.
Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga., assignor to The Plee-Zing Corp., to Plee-Zing, Inc., Chicago, Ill. Bread. 226,235; renewed Apr. 5, 1947. O. G. July 8. Class 46.
Plee-Zing, Inc.: *See*—
Plee-Zing Corporation, The.
Polan Industries, doing business as Zenith Optical Company, Huntington, W. Va. Glass cooking utensils and dishes. 431,130; July 8. Class 33.
Poloris Company, Inc., New York, N. Y., to Hamilton Drug Co., Inc., Jersey City, N. J. Toothache drops. 227,297; renewed May 3, 1947. O. G. July 8. Class 6.
Poultry Science Association, Urbana, Ill., to Poultry Science Association, Columbia, Mo. Periodical. 226,831; renewed Apr. 19, 1947. O. G. July 8. Class 38.
Powers, William N., Miami, Fla. Preparation for the internal treatment of asthma. 226,018; renewed Mar. 29, 1947. O. G. July 8. Class 6.
Purity Oats Company, Keokuk, Iowa, to General Mills, Inc., Minneapolis, Minn. Rolled oats. 226,239; renewed Apr. 5, 1947. O. G. July 8. Class 46.
Radio Corporation of America: *See*—
Victor Talking Machine Company.
Red Circle Magazines Inc., New York, N. Y. Magazine or publication. 431,108; July 8; Serial No. 504,388; published Apr. 22, 1947. Class 38.
Red Star Milling Co., The, Wichita, Kans., to General Mills, Inc., Minneapolis, Minn. Wheat flour. 226,130; renewed Mar. 29, 1947. O. G. July 8. Class 46.
Reliance Manufacturing Company, to Reliance Manufacturing Company, Chicago, Ill. Men's athletic underwear. 223,606; renewed Feb. 8, 1947. O. G. July 8. Class 39.
Roessler & Hasslacher Chemical Company, The, New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Chemicals. 226,078; renewed Mar. 29. 1947. O. G. July 8. Class 6.
Rosenberg, Alice K., New York, N. Y. Artificial flowers. 431,118; July 8; Serial No. 507,220; published Apr. 8, 1947. Class 40.
Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. 431,151; July 8. Class 6.
Rothmoor Corporation: *See*—
Schenker, Michel & Weinstock, Inc.
Rubicon, assignor to Rubicon, Inc., New York, N. Y. Lamps. 431,100; July 8; Serial No. 502,923; published Apr. 15, 1947. Class 50.
Rubicon, Inc.: *See*—
Rubicon.
Rubinstein, Helena, Inc., assignee: *See*—
Tone Laboratories, Inc.
Sayre Manufacturing Company, Milwaukee, Wis. Garment hangers. 431,149; July 8. Class 50.
Schacht Rubber Mfg. Co., Huntington, Ind. Horse-shoe and ring pitching games. 227,023; renewed Apr. 26, 1947. O. G. July 8. Class 22.
Schenker, Michel & Weinstock, Inc., to Rothmoor Corporation, Chicago, Ill. Ladies' coats. 222,152; renewed Dec. 21, 1946. O. G. July 8. Class 39.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Pads and plasters for corns, bunions, and calli. 224,953; renewed Mar. 8, 1947. O. G. July 8. Class 44.
Schwartz, J., Co., Inc., to Micro Musical Products Corporation, New York, N. Y. Reeds for wind musical instruments. 218,360; renewed Sept. 28, 1946. O. G. July 8. Class 36.
Scientific Development Corporation, New York, N. Y. Magazine. 431,094; July 8; Serial No. 500,578; published Apr. 15, 1947. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Women's handbags, billfolds, key cases, etc. 431,123; July 8; Serial No. 511,509; published Apr. 8, 1947. Class 3.
Simon, Franklin, & Co., Inc., New York, N. Y. Horological instruments. 225,567; renewed Mar. 22, 1947. O. G. July 8. Class 27.
Simon, Franklin, & Co. Inc., New York, N. Y. Monthly publication and house organ. 225,598; renewed Mar. 22, 1947. O. G. July 8. Class 38.
Societa Anonima Egidio Galbani, Melzo, Italy, to Bel Paese Sales Co. Inc., New York, N. Y. Cheeses. 225,399; renewed Mar. 15, 1947. O. G. July 8. Class 46.
Societe des Usines Chimiques Rhone-Poulenc: *See*—
Les Établissements Poulenc Frères.
Souvenair Company, New York, N. Y. Mechanically grooved phonograph records and for albums of such mechanically grooved phonograph records. 431,104; July 8; Serial No. 503,836; published Apr. 8, 1947. Class 36.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Heating and illuminating oils. 431,101–2; July 8; Serial Nos. 503,228–9; published Apr. 8, 1947. Class 15.
Standard Signs, Inc., Cleveland, Ohio. Non-electric printed, painted, enameled, cast molded, drawn, stamped, etc., signs, emblems, etc. 431,078; July 8; Serial No. 470,685; published Apr. 8, 1947. Class 50.
Standard Varnish Works, New York, N. Y. Paints, varnishes, and oils. 57,255; re-renewed Nov. 6, 1946. O. G. July 8. Class 16.
Stock Market Trend Service Inc., Boston, Mass. Stock market investment service reports and stock analyses. 431,114; July 8; Serial No. 505,627; published Apr. 22, 1947. Class 38.
Strommen, M. T., Arcadia, Calif. Lipstick. 431,147; July 8. Class 6.
Sunbeam Anti-Corrosives Limited, London, England. Chemical compounds. 431,084; July 8; Serial No. 489,367; published Mar. 25, 1947. Class 6.
Tex-O-Kan Flour Mills Co.: *See*—
New Century Milling Company, The.
Thompson-Hayward Chemical Company, Kansas City, Mo. Herbicide consisting of a mixture of chemicals. 431,138; July 8. Class 6.
Time Oil Co., Seattle, Wash. Gasoline. 431,079; July 8; Serial No. 477,382; published Apr. 22, 1947. Class 15.
Tone Laboratories, Inc., assignor to Helena Rubinstein Inc., New York, N. Y. Cake make-up. 431,129; July 8. Class 6.
Trimfoot Company, Farmington, Mo. Metatarsal insoles and arch supports. 431,154; July 8. Class 44.
Tru Test Laboratories, Inc., Philadelphia, Pa. Chemical reagents. 431,126; July 8. Class 6.
Tuttle, Jess L., Oakland, Calif. Peppikind cheese, American cheese, Swiss cheese, etc. 226,862; renewed Apr. 19, 1947. O. G. July 8. Class 46.
Union Oil Company of California, Los Angeles, Calif. Catalysts. 431,122; July 8; Serial No. 511,120; published Apr. 15, 1947. Class 6.
United States Rubber Company: *See*—
Hartford Rubber Works Company, The.
Universal Match Corporation, St. Louis, Mo. Matches. 431,141; July 8. Class 9.
Van Camp Laboratories: *See*—
Van Camp Sea Food Co., Inc.
Van Camp Sea Food Co., Inc., doing business as Van Camp Laboratories, Terminal Island and Fish Harbor, Terminal Island, Calif. Vitamin products in solution in fish oil. 431,127; July 8. Class 6.
Verplex Company, The, Bound Brook, N. J., to The Verplex Company, Essex, Conn. Reproduced art pictures. 223,126; renewed Jan. 18, 1947. O. G. July 8. Class 38.
Victor Talking Machine Company, Camden, N. J., to Radio Corporation of America, New York, N. Y. Talking machines and parts thereof, etc. 224,081; renewed Feb. 15, 1947. O. G. July 8. Class 36.
Victory Cake Company, Newark, N. J. Date-nut roll. 431,150; July 8. Class 46.
Vogel, Franz, Company, Inc., New York, N. Y. Umbrellas. 431,142; July 8. Class 41.
Voltax Company, The, Bridgeport, Conn. Varnishes, acid-resisting enamel, exterior paint, etc. 226,506; renewed Apr. 12, 1947. O. G. July 8. Class 16.
Wedgwood, Josiah & Sons Ltd., Etruria, Stoke upon Trent, to Josiah Wedgwood & Sons Ltd., Barlaston, Stoke upon Trent, England. Porcelain, stoneware, and earthenware, including jasper. 60,198; re-renewed Jan. 29, 1947. O. G. July 8. Class 30.
Weil & Durrse, to Weil & Durrse, Inc., New York, N. Y. Linen fabrics in the piece. 221,342; renewed Nov. 30, 1946. O. G. July 8. Class 42.
Weil & Durrse, Inc.: *See*—
Weil & Durrse.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Magazines. 431,113; July 8; Serial No. 505,326; published Apr. 22, 1947. Class 38.
White, Murray, Company, Boston, Mass. Misses' and ladies' dresses. 431,143; July 8. Class 39.
Wilhelm, Robert P., doing business as Mailcraft, New York, N. Y. Multigraphed trade lists. 431,096; July 8; Serial No. 501,549; published Apr. 15, 1947. Class 38.
Wilknit Hosiery Company, Greenfield, Ohio. Hosiery. 222,452; renewed Jan. 4, 1947. O. G. July 8. Class 39.
Winchester Repeating Arms Co., to Olin Industries, Inc., New Haven, Conn. Reloading-tools, wiping-rods, gun-cleaners, gun-covers, etc. 60,620; re-renewed Feb. 12, 1947. O. G. July 8. Class 9.
Windsor-Lloyd Products, Inc., Philadelphia, Pa. Spark plugs. 431,136; July 8. Class 21.
Wrisley, Allen B., Company, Chicago, Ill. Lotion for soothing or softening the skin. 431,134; July 8. Class 6.
Zenith Optical Company: *See*—
Polan Industries.
Zion National Kosher Sausage Factory, Inc., New York, N. Y. Bologna, salami, pastrami, corn beef, etc. 227,358; renewed May 3, 1947. O. G. July 8. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Modeling compound. J. Dumouchel. 226,310; renewed Apr. 5, 1947. O. G. July 8.

CLASS 3

Bags, suit cases, and portable wardrobe cases, etc., Traveling. K. Kaufmann & Co., Inc. 431,106; July 8; Serial No. 504,277; published Apr. 8, 1947.
Handbags, billfolds, key cases, etc., Women's. Sears, Roebuck and Co. 431,123; July 8; Serial No. 511,509; published Apr. 8, 1947.
Handbags, Ladies' and misses'. Fishbein & Co., Inc. 431,124; July 8; Serial No. 511,547; published Apr. 8. 1947.
Handbags, Women's leather and plastic. Belding Heminway Company. 431,125; July 8; Serial No. 511,789; published Apr. 8, 1947.
Luggage. Luce Manufacturing Company. 431,117; July 8; Serial No. 507,203; published Apr. 8, 1947.

CLASS 4

Soap powder combined with mineral ingredients. Cudahy Packing Company. 224,182; renewed Feb. 22, 1947. O. G. July 8.
Washing-powder. N. K. Fairbank Company. 57,224; re-renewed Nov. 6, 1946. O. G. July 8.

CLASS 6

Alcohol, Denatured. American Distilling Company. 224,167; renewed Feb. 22, 1947. O. G. July 8.
Alum. Harrison Brothers & Co. 29,363; re-renewed Dec. 29, 1946. O. G. July 8.
Anesthetic preparation. Les Etablissements Poulenc Freres. 50,228; re-renewed Jan. 1, 1947. O. G. July 8.
Cake make-up. Tone Laboratories, Inc. 431,129; July 8.
Catalysts. Union Oil Company of California. 431,122; July 8; Serial No. 511,120; published Apr. 15, 1947.
Chemical addition to fuel oil. Hall-Watson Company, Inc. 431,155; July 8.
Chemical compound. W. H. & L. D. Betz. 226,779; renewed Apr. 19, 1947. O. G. July 8.
Chemical compound. H. F. Edwards. 431,158; July 8.
Chemical compounds. Sunbeam Anti-Corrosives Limited. 431,084; July 8; Serial No. 489,367; published Mar. 25, 1947.
Chemical reagents. Tru Test Laboratories, Inc. 431,126; July 8.
Chemicals. Roessler & Hasslacher Chemical Company. 226,078; renewed Mar. 29, 1947. O. G. July 8.
Disinfectant, deodorant, and germicide. J. W. Murphy. 431,140; July 8.
Disinfectants, deodorants, germ-destroyers, etc. W. Pearson. 59,517; re-renewed Jan. 8, 1947. O. G. July 8.
Dye-stuffs and pigment colors. Nova Chemical Corporation. 431,133; July 8.
Dyes and vegetable dye extracts, Coar-tar. H. Kohnstamm & Co. 59,561; re-renewed Jan. 8, 1947. O. G. July 8.
Embrocation for human use. Elliman & Sons Co. 29,094; re-renewed Nov. 3, 1946. O. G. July 8.
Face powder. French Beauty Products Co., Inc. 222,862; renewed Jan. 11, 1947. O. G. July 8.
Gas, Bottled. Bottled Gas Company of America. 431,145–6; July 8.
Herbicide consisting of a mixture of chemicals. Thompson-Hayward Chemical Company. 431,138; July 8.
Lipstick. M. T. Strommen. 431,147; July 8.
Liquid chemical. E. Glazier, Sr. 431,135; July 8.
Lotion for soothing or softening the skin. Allen B. Wrisley Company. 431,134; July 8.
Medicament for the relief of common head colds. J. T. Kelley. 431,152; July 8.
Medicines in elastic capsule form. H. G. Dodd. 225,741; renewed Mar. 22, 1947. O. G. July 8.
Oil preparation. Helene Curtis Industries, a Division of The National Mineral Company. 431,128; July 8.
Perfumes, toilet waters, rouge, etc. E. Rosens. 431,151; July 8.
Pills for treatment of liver. Lydia E. Pinkham Medicine Company. 58,761; re-renewed Dec. 25, 1946. O. G. July 8.
Preparation for preventing browning and flavor loss in the freezing and canning of fruits and vegetables. Beacon Laboratories. 431,144; July 8.
Preparation for the internal treatment of asthma. W. N. Powers. 226,018; renewed Mar. 29, 1947. O. G. July 8.
Rennet preparations of every kind, that is, powder, extract, and tablets; etc. Byk-Guldenwerke Chemische Fabrik. 228,212; renewed May 24, 1947. O. G. July 8.
Salve. E. K. Johnson. 217,285; renewed Aug. 31, 1946. O. G. July 8.
Starch, Liquid laundry. J. S. Pecker. 431,131; July 8.
Talcum powder, bath dusting powder, and toilet powder. Mulhens & Kropff, Incorporated. 220,644; renewed Nov. 16, 1946. O. G. July 8.
Toothache drops. Poloris Company, Inc. 227,297; renewed May 3, 1947. O. G. July 8.
Vitamin products in solution in fish oil. Van Camp Sea Food Co., Inc. 431,127; July 8.

CLASS 9

Pipes, Tobacco. Danco Corporation. 431,153; July 8.
Tobacco-pipes, Wooden. Loewe & Co. 57,789; re-renewed Nov. 27, 1946. O. G. July 8.

CLASS 9

Fuses. Coast Manufacturing & Supply Co. 62,243; re-renewed Apr. 30, 1947. O. G. July 8.
Matches. Universal Match Corporation. 431,141; July 8.
Reloading-tools, wiping-rods, gun-cleaners, gun-covers, etc. Winchester Repeating Arms Co. 60,620; re-renewed Feb. 12, 1947. O. G. July 8.
Rifles and guns. Colt's Patent Fire Arms Manufacturing Co. 58,249; re-renewed Dec. 11, 1946. O. G. July 8.
Rifles and guns. Colt's Patent Fire Arms Manufacturing Co. 58,277–8; re-renewed Dec. 11, 1946. O. G. July 8.

CLASS 11

Carbon-paper and chemical paper. Egon Hassinger. 60,192; re-renewed Jan. 29, 1947. O. G. July 8.
Ink, Lettering, writing, and drawing. C. Howard Pen Company. 222,549; renewed Jan. 4, 1947. O. G. July 8.

CLASS 12

Building and roofing materials, Waterproof and weatherproof. Paraffine Paint Co. 57,538; re-renewed Nov. 13, 1946. O. G. July 8.
Cement. Calaveras Cement Company. 226,206; renewed Apr. 5, 1947. O. G. July 8.
Concrete mixture, Asphaltic. Wm. P. McDonald Construction Company. 226,331; renewed Apr. 5, 1947. O. G. July 8.

CLASS 13

Metal-railway-track braces, also known as gauge rods. T. H. Edelblute. 226,739; renewed Apr. 19, 1947. O. G. July 8.
Staples. Boston Wire Stitcher Company. 226,587; renewed Apr. 12, 1947. O. G. July 8.

CLASS 14

Alloys, Nonferrous. General Plate Company. 226,514; renewed Apr. 12, 1947. O. G. July 8.

CLASS 15

Gasoline. Time Oil Co. 431,079; July 8; Serial No. 477,382; published Apr. 22, 1947.
Oils, Heating and illuminating. Standard Oil Company of California. 431,101–2; July 8; Serial Nos. 503,228–9; published Apr. 8, 1947.

CLASS 16

Coating in the nature of a paint, Rust preventive. Croda, Limited. 431,082; July 8; Serial No. 487,031; published Apr. 15, 1947.
Dry cleaner, pore filler polish and waxing composition. Hinson & Company. 431,156; July 8.
Paints, and paint enamels. John Lucas & Company, Incorporated. 431,105; July 8; Serial No. 504,192; published Apr. 1, 1947.
Paints in paste and ready mixed form, varnishes, paint enamels, etc. Maas & Waldstein Company. 431,083; July 8; Serial No. 487,195; published Apr. 15, 1947.
Paints in ready mixed form. I. F. Laucks, Inc. 431,092; July 8; Serial No. 498,529; published Apr. 15, 1947.
Paints, Ready mixed. Boston Varnish Company. 431,090–1; July 8; Serial Nos. 498,201–2; published Apr. 15, 1947.
Paints (ready mixed and liquid, paste form, and dry) paint enamels, etc. H. B. Davis Company. 431,088; July 8; Serial No. 497,922, published Apr. 15, 1947.
Paints, varnishes, and oils. Standard Varnish Works. 57,255; re-renewed Nov. 6, 1946. O. G. July 8.
Stain for imitating natural wood. Heath & Milligan Mfg. Co. 57,708; re-renewed Nov. 27, 1946. O. G. July 8.
Varnishes, acid-resisting enamel, exterior paint, etc. Voltax Company. 226,506; renewed Apr. 12, 1947. O. G. July 8.

Water proofing and protective coatings. Inertol Co., Inc. 431,086; July 8; Serial No. 492,140; published Apr. 15, 1947.
White lead. National Lead Company. 62,136; re-renewed Apr. 23, 1947. O. G. July 8.

CLASS 17

Cigars, cheroots, and little cigars. Esberg-Gunst Company. 59,664; re-renewed Jan. 15, 1947. O. G. July 8.

CLASS 21

Condensers, breaker-plate assemblies, coils, switchers, etc. Connecticut Telephone & Electric Company, Incorporated. 226,225; renewed Apr. 5, 1947. O. G. July 8.
Electrical appliances. American Resistor Company. 234,147; renewed Oct. 18, 1947. O. G. July 8.
Elevators, lifts, and platforms, etc., Electrically-operated. Elevator Supplies Company, Inc. 225,340; renewed Mar. 15, 1947. O. G. July 8.
Paint sprayers, Electric. H. D. Hudson Manufacturing Company. 431,148; July 8.
Spark plugs. Windsor-Lloyd Products, Inc. 431,136; July 8.

CLASS 22

Games, Horse-shoe and ring pitching. Schacht Rubber Mfg. Co. 227,023; renewed Apr. 26, 1947. O. G. July 8.

CLASS 23

Cutters and paper cutting machines and parts thereof, etc., Paper. Chandler & Price Company. 227,421; renewed May 3, 1947. O. G. July 8.
Hatches, axes, chisels, etc. Dunham, Carrigan & Hayden Co. 60,972; re-renewed Feb. 26, 1947. O. G. July 8.
Milling machines, planing machines, drilling and boring machines, etc. Newton Machine Toolworks, Incorporated. 62,316; re-renewed Apr. 30, 1947. O. G. July 8.
Tools, Diamond-pointed cutting, dressing, and turning. F. F. Gilmore. 226,024; renewed Mar. 29, 1947. O. G. July 8.
Tools, Metal-working small. Cleveland Twist Drill Company. 225,836. renewed Mar. 29, 1947. O. G. July 8.

CLASS 26

Photographic papers and plates, films, film packs, etc., Sensitive. Gevaert Photo Producten Naamlooze Vennootschap. 221,381; renewed Nov. 30, 1946. O. G. July 8.

CLASS 27

Horological instruments. Franklin Simon & Co. Inc. 225,567; renewed Mar. 22, 1947. O. G. July 8.
Watch movements and watchcases. Eisenstadt Manufacturing Company. 60,375; re-renewed Feb. 5, 1947. O. G. July 8.

CLASS 28

Brooches, stick-pins, scarf-pins, etc. Eisenstadt Manufacturing Company. 59,350; re-renewed Jan. 8, 1947. O. G. July 8.
Jewelry consisting of necklaces, pendants, bracelets, pins, etc., Fancy. Franklin Simon & Co. Inc. 226,298; renewed Apr. 5, 1947. O. G. July 8.
Jewelry consisting of necklaces, pendants, bracelets, pins, etc., Fancy. Franklin Simon & Co. Inc. 227,314; renewed May 3, 1947. O. G. July 8.

CLASS 29

Brushes, Artists'. L. & C. Hardtmuth. 60,532; re-renewed Feb. 12, 1947. O. G. July 8.

CLASS 30

China, porcelain, and earthenware articles. C. A. Peters. 431,099; July 8; Serial No. 502,766; published Apr. 22, 1947.
Porcelain, stoneware, and earthenware, including jasper. Josiah Wedgwood & Sons Ltd. 60,198; re-renewed Jan. 29, 1947. O. G. July 8.
Pottery, Ornamental and utility. Eric H. Gort, Inc. 431,081; July 8; Serial No. 481,065; published Apr. 8, 1947.

CLASS 33

Utensils and dishes, Glass cooking. Polan Industries. 431,130; July 8.

CLASS 34

Burners, Oil. Franklin Oil Heating, Inc. 225,489; renewed Mar. 22 1947. O. G. July 8.

CLASS 35

Tires, Pneumatic. Hartford Rubber Works Company. 28,974; re-renewed Oct. 6, 1946. O. G. July 8.

CLASS 36

Musical instruments. Maxwell Meyers, Inc. 431,087; July 8. Serial No. 492,648; published Apr. 22, 1947.
Musical instruments. Pelham Products. 431,139; July 8.
Records and for albums of such mechanically grooved phonograph records, Mechanically grooved phonograph. Souvenair Company. 431,104; July 8; Serial No. 503,836; published Apr. 8, 1947.
Records, Mechanically grooved phonograph. L. J. Arms. 431,137; July 8.
Records, Physically grooved transcription. Moo-Vie Auction Sales, Inc. 431,095; July 8; Serial No. 500,817; published Apr. 22, 1947.
Reeds for wind musical instruments. J. Schwartz Music Co., Inc. 218,360; renewed Sept. 28, 1946. O. G. July 8.
Talking machines and parts thereof, etc. Victor Talking Machine Company. 224,081; renewed Feb. 15, 1947. O. G. July 8.
Tuning forks. Imperial Trust for the Encouragement of Scientific and Industrial Research. 221,781; renewed Dec. 14, 1946. O. G. July 8.

CLASS 37

Envelopes. J. W. Fitzgerald. 226,867; renewed Apr. 19, 1947. O. G. July 8.
Paper and envelopes, Writing. Z. & W. M. Crane, Inc. 227,036; renewed Apr. 26, 1947. O. G. July 8.
Paper, cover paper, bond paper, etc., Book. J. E. Linde Paper Co. 226,526; renewed Apr. 12, 1947. O. G. July 8.

CLASS 38

Magazine. Scientific Development Corporation. 431,094; July 8; Serial No. 500,578; published Apr. 15, 1947.
Magazine or publication. Newsstand Publications Inc. 431,107; July 8; Serial No. 504,379; published Apr. 15, 1947.
Magazine or publication. Red Circle Magazines Inc. 431,108; July 8; Serial No. 504,388; published Apr. 22, 1947.
Magazines. Westinghouse Electric Corporation. 431,113; July 8; Serial No. 505,326; published Apr. 22, 1947.
Newspaper cartoon feature. General Features Corporation. 431,112; July 8; Serial No. 505,052; published Apr. 22, 1947.
Periodical. Poultry Science Association. 226,831; renewed Apr. 19, 1947. O. G. July 8.
Photographs. C. N. Johnston. 431,089; July 8; Serial No. 498,146; published Apr. 22, 1947.
Pictures, Reproduced art. Verplex Company. 223,126. renewed Jan. 18, 1947. O. G. July 8.
Publication. El Paso Natural Gas Company. 431,111; July 8; Serial No. 504,887; published Apr. 8, 1947.
Publication and house organ, Monthly. Franklin Simon & Co. Inc. 225,598; renewed Mar. 22, 1947. O. G. July 8.
Publications, Weekly. Electrolux Corporation. 431,080; July 8; Serial No. 480,282; published Apr. 15, 1947.
Reports and stock analyses, Stock market investment service. Stock Market Trend Service Inc. 431,114; July 8; Serial No. 505,627; published Apr. 22, 1947.
Trade lists, Multigraphed. R. P. Wilhelm. 431,096; July 8; Serial No. 501,549; published Apr. 15, 1947.

CLASS 39

Coats, Ladies'. Schenker, Michel & Weinstock, Inc. 222,152; renewed Dec. 21, 1946. O. G. July 8.
Corsets, brassières, girdles, etc. American Lady Corset Co. 220,129; renewed Nov. 2, 1946. O. G. July 8.
Corsets, brassières, girdles, etc. American Lady Corset Co. 220,855; renewed Nov. 16, 1946. O. G. July 8.
Dresses, Misses' and ladies'. Murray White Company. 431,143; July 8.
Dry goods, underwear, Merino. B. Altman. 29,814; renewed Apr. 13, 1947. O. G. July 8.
Hats, coats, and gowns, Ladies'. J. J. Jonas. 220,395; renewed Nov. 9, 1946. O. G. July 8.
Hosiery. Wilknit Hosiery Company. 222,452; renewed Jan. 4, 1947. O. G. July 8.
Suits and men's negligee and dress shirts, Boys'. L. Klein, Inc. 222,872; renewed Jan. 11, 1947. O. G. July 8.
Suits, knitted dresses, knitted sweaters, etc., Knitted. Robert R. Boronow Limited. 223,215; renewed Jan. 18, 1947. O. G. July 8.
Underwear, Men's athletic. Reliance Manufacturing Company. 223,606; renewed Feb. 8, 1947. O. G. July 8.

CLASS 40

Buttons. Naus Trimming Co., Inc. 431,119; July 8; Serial No. 507,589; published Apr. 8, 1947.
Combs. New York Merchandise Co., Inc. 431,103; July 8; Serial No. 503,316; published Apr. 8, 1947.
Flowers, Artificial. A. K. Rosenberg. 431,118; July 8; Serial No. 507,220; published Apr. 8, 1947.
Hair goods, made of human hair. L. Feder. 431,109–10; July 8; Serial Nos. 504,536–7; published Apr. 15, 1947.
Pins, hair pins, combs and non-electric hair curlers, Bob. Bee-Em Manufacturing Co., Inc. 431,120; July 8; Serial No. 508,138; published Apr. 8, 1947.
Pins, safety pins, T pins, etc., Straight. A. Meyers & Sons Corp. 431,116; July 8; Serial No. 506,539; published Apr. 8, 1947.

CLASS 41

Umbrellas. Franz Vogel Company, Inc. 431,142; July 8.

CLASS 42

Awning strips and ticking. John Boyle & Company, Incorporated. 222,876–7; renewed Jan. 11, 1947. O. G. July 8.

Dry goods, underwear, Merino. B. Altman. 29,814; renewed Apr. 13, 1947. O. G. July 8.
Fabrics in the piece, Linen. Weil & Durrse. 221,342; renewed Nov. 30, 1946. O. G. July 8.

CLASS 43

Threads, twists, and yarns. Dollfus-Mieg & Cie. Societe Anonyme. 220,398–400; renewed Nov. 9, 1946. O. G. July 8.
Threads, twists, and yarns. Dollfus-Mieg & Cie. Societe Anonyme. 220,653; renewed Nov. 16, 1946. O. G. July 8.
Yarn. Knitters Yarn, Inc. 431,121; July 8; Serial No. 509,518; published Apr. 15, 1947.
Yarn, Rayon. Empire Rayon Yarn Co., Inc. 431,098; July 8; Serial No. 502,129; published Apr. 15, 1947.

CLASS 44

Condensation material for dental work and dentures. Iteco Company. 225,944; renewed Mar. 29, 1947. O. G. July 8.
Insoles and arch supports, Metatarsal. Trimfoot Company. 431,154; July 8.
Pads and plasters for corns, bunions, and calli. Scholl Mfg. Co. Inc. 224,953; renewed Mar. 8, 1947. O. G. July 8.
Thermometers, Clinical. Imperial Trust for the Encouragement of Scientific and Industrial Research. 222,514; renewed Jan. 4, 1947. O. G. July 8.

CLASS 45

Beverages and flavors therefor, Nonalcoholic maltless. Orange Smile Sirup Company. 225,425; renewed Mar. 15, 1947. O. G. July 8.
Mineral water. Die Actiengesellschaft Appollinaris Brunnen. 53,335; re-renewed May 29, 1946. O. G. July 8.

CLASS 46

Bologna, salami, pastrami, corn beef, etc. Zion National Kosher Sausage Factory, Inc. 227,358; renewed May 3, 1947. O. G. July 8.
Bread. Plee-Zing Corporation. 226,235; renewed Apr. 5, 1947. O. G. July 8.
Cheese, American cheese, Swiss cheese, etc., Peppikind. J. L. Tuttle. 226,862; renewed Apr. 19, 1947. O. G. July 8.
Cheeses. Societa Anonima Egidio Galbani. 225,399; renewed Mar. 15, 1947. O. G. July 8.
Coffee, tea, and cocoa. Alice Foote MacDougall & Sons, Incorporated. 221,996; renewed Dec. 21, 1946. O. G. July 8.
Date-nut roll. Victory Cake Company. 431,150; July 8.
Flour, Wheat. Red Star Milling Co. 226,130; renewed Mar. 29, 1947. O. G. July 8.
Macaroni, Ready-cut. Kansas City Macaroni & Importing Co. 212,208; renewed Apr. 27, 1946. O. G. July 8.
Malt syrup, candies, olive oil, etc. J. Di Santo. 227,054; renewed Apr. 26, 1947. O. G. July 8.
Mix for the making of fritters, Prepared. Island Specialty Co., Inc. 431,157; July 8.
Oats, Rolled. Purity Oats Company. 226,239; renewed Apr. 5, 1947. O. G. July 8.
Sausages. Jones Dairy Farm. 58,590; re-renewed Dec. 18, 1946. O. G. July 8.
Sausages. Jones Dairy Farm. 58,648; re-renewed Dec. 18, 1946. O. G. July 8.
Sausages, hams, bacon, etc. Jones Dairy Farm. 60,458; re-renewed Feb. 12, 1947. O. G. July 8.
Sausages, hams, bacon, etc. Jones Dairy Farm. 60,482; re-renewed Feb. 12, 1947. O. G. July 8.
Sausages, hams, bacon, etc. Jones Dairy Farm. 61,297; re-renewed Mar. 12, 1947. O. G. July 8.
Sausages, hams, bacon, etc. Jones Dairy Farm. 62,268; re-renewed Apr. 30, 1947. O. G. July 8.
Spices and flavoring extracts. Joseph Burnett Company. 223,441; renewed Feb. 1, 1947. O. G. July 8.
Wheat-flour. New Century Milling Company. 56,830; re-renewed Oct. 23, 1946. O. G. July 8.
Wheat-flour. Northwestern Consolidated Milling Company. 61,788; re-renewed Apr. 2, 1947. O. G. July 8.

CLASS 50

Artificial-leather cloth or artificial leather. L. E. Carpenter & Co., Inc. 225,452; renewed Mar. 22, 1947. O. G. July 8.
Caps and closure seals. Aluminum Seal Company. 431,115; July 8; Serial No. 505,792; published Apr. 15, 1947.
Figurines and statuettes. Eric H. Gort, Inc. 431,085; July 8; Serial No. 490,819; published Apr. 8, 1947.
Garment hangers. Sayre Manufacturing Company. 431,149; July 8.
Heads and manikins. Greneker Corporation. 431,132; July 8.
Lamps. Rubicon. 431,100; July 8; Serial No. 502,923; published Apr. 15, 1947.
Manikins, figures portraying human beings, birds, etc. Allied Display Materials, Inc. 431,093; July 8; Serial No. 499,935; published Apr. 22, 1947.
Mats, paper doilies, paper coasters, etc., Paper place. F. A. Blood. 431,097; July 8; Serial No. 501,817; published Apr. 22, 1947.
Signs, emblems, etc., Non-electric printed, painted, enameled, cast, molded, drawn, stamped, etc. Standard Signs, Inc. 431,078; July 8; Serial No. 470,685; published Apr. 8, 1947.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clapp, George L., United States Army, Pasco, Wash. Fork lift truck. Re. 22,895; July 8.

Polevitzky, Igor B., Miami, Fla. Illuminating device. Re. 22,896; July 8.

LIST OF PLANT PATENTEES

Adrey, Tonfic A., Bull's Head, Staten Island, N. Y. Tabernaemontana plant. 742; July 8.

Krowka, M & J, assignee: *See*—
Krowka, Michael.

Krowka, Michael, assignor to M & J Krowka, Des Plaines, Ill. Rose plant. 743; July 8.

LIST OF DESIGN PATENTEES

Advance Lamp Co., assignee: *See*—
Frontier, Albert E.

Austin, Harold J., Scarsdale, assignor to Liebmann Breweries, Inc., Brooklyn, N. Y. Tap knob or similar article. 147,033; July 8.

Barberian, Robert V., Seattle, Wash. Pipe. 147,034; July 8.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Zavada, Frank J.

Christensen, Albert E., Cleveland, Ohio. Pipe. 147,035; July 8.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Dix, Winfield S., Myerstown, Pa. Boat. 147,036; July 8.

Ekco Products Company, assignee: *See*—
Murray, Robert A.

Fink, Jacques, New York, N. Y. Handbag. 147,037; July 8.

Foster, Walter O., Los Angeles, Calif. Boat luggage trailer. 147,038; July 8.

Frazier, Orville Z., Elkhart, Ind., assignor of one-half to R. J. St. Louis, Detroit, Mich. Miniature racing car. 147,039; July 8.

Frontier, Albert E., Des Plaines, assignor to Advance Lamp Co., Chicago, Ill. Table lamp or the like. 147,040; July 8.

Giovagnoni, Violet, New York, N. Y. Negligee. 147,041; July 8.

Glickman, Marvin, New York, N. Y. Dress. 147,042; July 8.

Gottfried, Louis, New York, N. Y. Baby carriage or similar article. 147,043; July 8.

Griffith Laboratories, Inc., The, assignee: *See*—
Reinecke, Jean O.

Hee, Thorton: *See*—
Price, Jeanne, and Hee.

Hilton, William L., Palm Springs, Calif. Fishing lure. 147,044; July 8.

Holmquist, Maynard S., Seattle, Wash. Door plate. 147,045; July 8.

Joelson, John, New York, N. Y. Combined holder for picture and perfume containers. 147,046; July 8.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,047; July 8.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 147,048; July 8.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 147,049; July 8.

La Mere, Frank J., Minneapolis, Minn. Hair clipper casing. 147,050; July 8.

Lederer, George J., Providence, R. I. Pin. 147,051; July 8.

Lederer, George J., Providence, R. I. Pin. 147,052; July 8.

Lederer, George J., Providence, R. I. Pin. 147,053; July 8.

Lederer, George J., Providence, R. I. Bracelet. 147,054; July 8.

Lederer, George J., Providence, R. I. Bracelet. 147,055; July 8.

Lederer, George J., Providence, R. I. Bracelet. 147,056; July 8.

Le Vant Brush Company, assignee: *See*—
Witte, Isadore O.

Lewis, Max J., Forest Hills, N. Y. Cigarette case. 147,057; July 8.

Liebmann Breweries, Inc., assignee: *See*—
Austin, Harold J.

Murray, Robert A., Evanston, assignor to Ekco Products Company, Chicago, Ill. Flashlight. 147,058; July 8.

Nissen, Charles E.: *See*—
Nissen, Shirley C., and C. E.

Nissen, Margaret, administratrix: *See*—
Nissen, Shirley C. and C. E.

Nissen, Shirley C. and C. E., Maywood, N. J., M. Nissen administratrix of said C. Nissen, deceased, assignor to said S. C. Nissen. Earring holder. 147,059; July 8.

Parisi, Charles T., Pawtucket, R. I. Pin. 147,060; July 8.

Parisi, Charles T., Pawtucket, R. I. Bracelet. 147,061; July 8.

Parisi, Charles T., Pawtucket, R. I. Bracelet. 147,062; July 8.

Paulson, Henry, and Company, assignee: *See*—
While, Roy R.

Pearson, Joseph T., Jr., Huntingdon Valley, Pa. Shoe shine box. 147,063; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,064; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,065; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,066; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,067; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,068; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,069; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,070; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,071; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,072; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,073; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,074; July 8.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,075; July 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,076; July 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,077; July 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,078; July 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,049; July 8.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,080; July 8.
Prebis, Walter T., Chicago, Ill. Fire place mantel. 147,081; July 8.
Price, Jeanne, and T. Hee, Van Nuys, Calif. Doll. 147,082; July 8.
Price, Jeanne, and T. Hee, Van Nuys, Calif. Doll. 147,083; July 8.
Reinecke, Jean O., Oak Park, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Display rack. 147,084; July 8.
Rice, Charles T., Roswell, N. Mex. Building. 147,085; July 8.
Robertson, Daniel, assignor to Universal Cooler Company of Canada, Ltd., Brantford, Ontario, Canada. Frozen food display cabinet. 147,086; July 8.
St. Louis, R. J., assignee: *See*—
Frazier, Orville Z.
Stahl, Harold H., New York, N. Y. Dress. 147,087; July 8.
Sturm, Milton, & Co., assignee: *See*—
Waltman, Chauncey E.
Sturm, Milton L., assignee: *See*—
Waltman, Chauncey E.
Sturm, Milton L., Chicago, Ill. Hostess tray. 147,088; July 8.
Sturm, Milton L., Chicago, Ill. Hostess tray. 147,089; July 8.
Sturm, Milton L., Chicago, Ill. Hostess tray. 147,090; July 8.
Tellier, Andre, New York, N. Y. Combined map and clock face. 147,091; July 8.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 147,092; July 8.
Universal Cooler Company of Canada, Ltd., assignee: *See*—
Robertson, Daniel.
Vorsanger, Fritz, Englewood, N. J. Electric lighting fixture. 147,093; July 8.
Waltman, Chauncey E., assignor to M. L. Sturm, doing business as Milton Sturm & Co., Chicago, Ill. Hostess tray. 147,094; July 8.
While, Roy R., assignor to Henry Paulson and Company, Chicago, Ill. Watch cleaning tray. 147,095; July 8.
Whitlock, Neil H., Toledo, Ohio. Package for soap powder or similar commodity. 147,096; July 8.
Witte, Isadore O., assignor to Le Vant Brush Company, Los Angeles, Calif. Hair brush or similar article. 147,097; July 8.
Worley, Ernest W., Kansas City, Kans. Can opener. 147,098; July 8.
Zavada, Frank J., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Staircase. 147,099; July 8.
Zavada, Frank J., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Staircase. 147,100; July 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acheson, Ernest, Cleveland, Ohio. Collapsible top for vehicles. 2,423,748; July 8.
Acton, Russel D., Chicago, Ill. Motor vehicle of the endless tread type. 2,423,544; July 8.
Actrol Incorporated, assignee: *See*—
De Neergaard, Leif E.
Addressograph-Multigraph Corporation, assignee: *See*—
Hueber, Carl J.
Adrias, Venancio, II, Washington, D. C. Fid for splicing rope. 2,423,673; July 8.
Aeschbach, Max E., Pompton Plains, N. J., assignor to Norda Essential Oil & Chemical Company, Inc., New York, N. Y. Esterification of terpene alcohols. 2,423,545; July 8.
Ågren, Per H. W., Nynashamn, Sweden, assignor to A. Johnson & Co., New York, N. Y. Catalytic cracking of petroleum hydrocarbons. 2,423,674; July 8.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Bice, Claude W., and McMasters.
Aiken, Thomas M., Pittsburgh, Pa., assignor to S. Hornstein, Chicago, Ill. Light-excluding seal for film packs. 2,423,573; July 8.
Air-Maze Corporation, assignee: *See*—
Behlen, Robert A.
Akerman, John D., and J. F. Piccard, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Conversion apparatus. 2,423,631; July 8.
Allen, Harold G., Denver, Colo. Fish lure. 2,423,431; July 8.
Alperin, Louis I., Scranton, Pa. Safety reversible window. 2,423,675; July 8.
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Eyepiece. 2,423,676; July 8.
Aluminum Company of America, assignee: *See*—
Mosena, Roscoe L., Traylor, Haislip, and Hall.
American Cyanamid Company, assignee: *See*—
Ericks, Walter P.
Hood, Robert L.
American National Bank and Trust Company of Chicago, trustee: *See*—
Poole, Frederick A.
American Steel Foundries, assignee: *See*—
Tack, Carl E.
American Viscose Corporation, assignee: *See*—
Bauer, Ernest K.
Nelson, Seddon C.
American Voith Contact Company, Inc., assignee: *See*—
Karl, Lorenz, and Kugel.
Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread guide racking mechanism. 2,423,433; July 8.
Ansorge, Louis E., assignor to Eastman Mfg. Company, Manitowoc, Wis. Coupling. 2,423,632; July 8.
Attorney General of the United States, assignee: *See*—
Mullejans, Paul, and Neugebauer.
Rühle, Rudolf.
Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements composed of orientable vinyl fluoride polymers. 2,423,749; July 8.
Baden, William, Chicago, Ill. Flow regulator. 2,423,633; July 8.
Baldwin Locomotive Works, The, assignee: *See*—
Ruge, Arthur C.
Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Compressor pressure control. 2,423,677; July 8.
Barker, Seth S., assignee: *See*—
Jasper, Lenus.
Barlow, William H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Making composite metal coupling members. 2,423,432; July 8.
Barnes, Arthur, Waltham, and H. P. Husek, Allston, assignors to Polaroid Corporation, Cambridge, Mass. Forming iodine images. 2,423,473; July 8.
Barr, Edgar E.: *See*—
Billings, Bruce H., Hyde, and Barr.
Barrett, Charles G., deceased, Alexandria, Va., V. M. Barrett, administratrix, assignor to E. C. Magdeburger, Washington, D. C. Exhaust manifold for four-cycle internal-combustion engines. 2,423,574; July 8.
Barrett, Vera M., administratrix: *See*—
Barrett, Charles G.
Bastian-Blessing Company, The, assignee: *See*—
Norway, Harold L.
Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Cap spinning traveler. 2,423,678; July 8.
Beaupre, Arthur, Chicago, Ill. Indicator supporting arm for precision tools. 2,423,434; July 8.
Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Cadence suppression system for secrecy communication. 2,423,546; July 8.
Beesley, Reginald R., Memphis, Tenn. Stabilizer screw for brake bands. 2,423,575; July 8.
Behlen, Robert A., Chagrin Falls, assignor to Air-Maze Corporation, Cleveland, Ohio. Calendered filter material and forming same. 2,423,547; July 8.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Budenbom, Horace T.
Fay, Clifford E.
Mason, Warren P.
Peterson, Eugene.
West, John W.
Bels, Basil A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Electrical connector. 2,423,548; July 8.
Belz, Sam, Memphis, Tenn. Mechanical horse. 2,423,474; July 8.
Benson, Ralph L., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Assembling electric motors. 2,423,750; July 8.
Bentley Engineering Company Limited, The, assignee: *See*—
Wainwright, Carlyle H.
Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Compressor. 2,423,634; July 8.
Bernstein, Isidor M., assignor, by mesne assignments, to H. D. Roosen Company, Inc., Brooklyn, N. Y. Separating polymers of heat polymerized drying oil. 2,423,751; July 8.
Bethke, Leo, Maywood, assignor to Solar-Sturges Mfg. Co., Melrose Park, Ill. Device for dispensing from an inverted milk can. 2,423,679; July 8.
Bice, Claude W., and M. M. MacMasters, Peoria, Ill., assignors to the United States of America, as represented by the Secretary of Agriculture. Internal surgical dressing. 2,423,475; July 8.
Biermann, David, Hampton, Va. Airscrew. 2,423,752; July 8.
Billings, Bruce H., and W. L. Hyde, Cambridge, and E. E. Barr, North Woburn, assignors to Polaroid Corporation, Cambridge, Mass. Bolometer. 2,423,476; July 8.
Blake, Ralph K., Parlin, W. A. Stanton, New Brunswick, and F. Schulze, Westfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide photographic emulsions sensitized by polyalkylene glycols. 2,423,549; July 8.
Block, Leslie A., deceased, Rochester, N. Y.; W. A. Block, administrator. Apparatus for making soap cakes having desired insignia. 2,423,576; July 8.
Block, Leslie A., deceased, Rochester, N. Y.; W. A. Block, administrator. Making soap cake having a desired insignia. 2,423,435; July 8.
Block, Wilton A., administrator: *See*—
Block, Leslie A.
Blom, Carl J., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Submersible motorpump. 2,423,436; July 8.
Blum, Ferdinand H., New York, N. Y. Crutch attachment. 2,423,635; July 8.
Boeing Aircraft Company, assignee: *See*—
Pierce, Lyle.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Joint for metal tubes. 2,423,577; July 8.
Bourquin, Edgar, Los Angeles, Calif. Time outlet. 2,423,680; July 8.
Boyd, Chester M., Silver Spring, assignor to Engineering and Research Corporation, Riverdale, Md. Gun carriage for turret gun slot closures. 2,423,636; July 8.
Brimboeuf, Gaston, New York, N. Y. Stepladder guard attachment. 2,423,477; July 8.
British Celanese Limited, assignee: *See*—
Wright, John.
British Insulated Callender's Cables Limited, assignee: *See*—
Hollingsworth, Douglas T.
Bronstein, Harry: *See*—
Shmukler, Albert, and Bronstein.
Brooks, James D.: *See*—
Fry, Douglas J., and Brooks.
Brooks, William W., New York, N. Y. Shoe heel. 2,423,753; July 8.
Brown Instrument Company, The, assignee: *See*—
Caldwell, John A.
Side, Frederick W.
Wills, Walter P.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Analyzer for subterranean fluid reservoirs. 2,423,754; July 8.

Buckles, Thomas A., Portland, Oreg. Water heating-apparatus. 2,423,578; July 8.

Budd Company, The, assignee: *See*—
Eksergian, Carolus L., and Gaenssle.

Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Direction finder. 2,423,437; July 8.

Buren, Asa J., Cullom, Ill. Corrugated belting. 2,423,579; July 8.

Burke, Stella M. M., Los Angeles, Calif. Equalizer. 2,423,550; July 8.

Busse, Francis A.: *See*—
Wilson, John M., and Busse.

Busse, Francis A., and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition control apparatus. 2,423,478; July 8.

Butterbaugh, Darrel J., Philadelphia, and L. U. Spence, Elkins Park, assignors to Röhm & Haas Company, Philadelphia, Pa. Use of magnesia catalysts in the production of butadiene. 2,423,681; July 8.

Byron Jackson Co., assignee: *See*—
Blom, Carl J.

Caffin, Milton D., New York, N. Y. Screw machine collet stop. 2,423,551; July 8.

Caldwell, John A., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring, recording, and controlling apparatus. 2,423,479; July 8.

Caldwell, John A., assignor to The Brown Instrument Company, Philadelphia, Pa. Multiple recording instrument. 2,423,480; July 8.

Calfee, John D., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Bonding rubber to metal by adhesive polymer. 2,423,755; July 8.

Campos, Adolph, Clifton, N. J. Lighter construction. 2,423,481; July 8.

Carnarius, Edwin H., Wynnewood, Pa., assignor to Publicker Industries Inc. Sterilizing carbohydrates and apparatus therefor. 2,423,580; July 8.

Caspers Tin Plate Company, assignee: *See*—
Domville, Charles H., Jr., and Gray.

Castle, John B., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Sheet metal structure. 2,423,682; July 8.

Chandler, Edward F., Brooklyn, N. Y. Process and apparatus for the catalytic cracking of a hydrocarbon oil. 2,423,637; July 8.

Chaplin, Merle P., South Portland, Maine. Molded fibre article. 2,423,756; July 8.

Chevigny, Paul G., New York, N. Y., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Vacuum tube with coupling-feed-back-electrode arrangement. 2,423,819; July 8.

Chochol, Joseph, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fluid operated safety control for power presses and the like. 2,423,482; July 8.

Christensen, Andrew B., Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Electrical control system. 2,423,683; July 8.

Clark, Frank, Los Angeles, Calif. Bib. 2,423,581; July 8.

Clark, Warren H., Glendale, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Cable tension regulator. 2,423,483; July 8.

Clarke, John E., assignor to Magnaflux Corporation, Chicago, Ill. Magnetic testing apparatus. 2,423,552; July 8.

Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Refining oil and for producing soap. 2,423,633; July 8.

Cochran, William S., Evanston, assignor to Ditto, Incorporated, Chicago, Ill. Process of printing from a composite hectographic form. 2,423,553; July 8.

Coleman, Philip G., Chattanooga, Tenn., assignor of one-half to R. Troxel, Cincinnati, Ohio. Bottle cap. 2,423,582; July 8.

Colgate-Palmolive-Peet Company, assignee: *See*—
Dreger, Emil E., and Ross.
Heald, Robert F., and Givan.
Holubik, Stanley J.

Collito, Samuel, Jr., Newark, N. J. Spherical bearing device. 2,423,684; July 8.

Columbia Development Company, assignee: *See*—
Rubin, Abraham B., and Faber.

Continental Can Company, Inc., assignee: *See*—
Coyle, John, and Punte.
Koegh, Thomas P., and Fink.

Cooper, Dexter P., Jr.: *See*—
Land, Edwin H., and Cooper.

Cooper, Dexter P., Jr., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Forming hard resinous surfaces on organic plastics, and product thereof. 2,423,583; July 8.

Cosgro, Daniel J., Cohoes, N. Y. Apparatus for knitting scouring cloths. 2,423,484; July 8.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Power lift of the hydraulic type. 2,423,485; July 8.

Coyle, John, Baltimore, Md., and W. F. Punte, Passaic, N. J., assignors to Continental Can Company, Inc., New York, N. Y. Collar mounting for tear-strip cans. 2,423,685; July 8.

Cramer, Paul L.: *See*—
Mulligan, Maurice J., and Cramer.

Crane Packing Company, assignee: *See*—
Gould, Harold W.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richar G.

Cummins, Arthur B., Plainfield, N. J., assignor to Johns-Mansville Corporation, New York, N. Y. Siliceous contact material and manufacture. 2,423,686; July 8.

Currier, Floyd, Oakland, Calif. Automatic boom lock. 2,423,584; July 8.

Cutler, Jacob, Matapan, Mass., assignor to Maryland Baking Company, Inc., Baltimore, Md. Mechanism for ejecting completed jackets from mandrels. 2,423,486; July 8.

Czarnecki, Walter, assignor to Eddington Metal Specialty Company, Eddington, Pa. Rotary pump. 2,423,639; July 8.

Daboul, Richard M., Tarboro, N. C. Masticating fork. 2,423,487; July 8.

Dally, Don A., Pillager, Minn. Decorative knife handle. 2,423,640; July 8.

Daugherty, William E., Covington, Tenn. Vehicle running gear. 2,423,585; July 8.

Davidson, Glenn, Aurora, Ill. Method of and means for making mouthpiece cigarettes. 2,423,554; July 8.

Davis, Alexander D.: *See*—
Herman, Isidor, and Davis.

Davis, Harry I., and D. E. Farwell, assignors to Eastman Kodak Company, Rochester, N. Y. Gel-point indicator. 2,423,687; July 8.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical follow-up motor control system. 2,423,438; July 8.

Day, Morgan R., North Scituate, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Soda lime composition. 2,423,688; July 8.

Day, Morgan R., North Scituate, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Soda lime composition. 2,423,689; July 8.

Dayton Steel Foundry Company, The, assignee: *See*—
Walther, George, and Miller.

Decker, Elinor W., assignee: *See*—
Decker, Herman W.

Decker, Herman W., assignor to E. W. Decker, East Port Chester, Conn. Carriage return mechanism for typewriters. 2,423,586; July 8.

Dedge, Ottomus G., Alma, Ga. Adjustable outlet box support. 2,423,757; July 8.

Deere & Company, assignee: *See*—
Court, Frank T.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Method of and apparatus for burning liquid fuel. 2,423,808; July 8.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Ignition means for liquid fuel burners. 2,423,809; July 8.

De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pump and air separator unit. 2,423,439; July 8.

De Neergaard, Leif E., New York, N. Y., assignor, by mesne assignments, to Actrol Incorporated. Automatic control of machine tools and fabricating devices. 2,423,440; July 8.

Dennie, Edward B., North Hollywood, Calif. Container handling apparatus. 2,423,441. July 8.

Dewey and Almy Chemical Company, assignee: *See*—
Day, Morgan R.

Dextone Company, The, assignee: *See*—
Falco, Louis A.

Dickerson, Charles E., Philadelphia, Pa. Spring wheel. 2,423,690; July 8.

Ditto, Incorporated, assignee: *See*—
Cochran, William S.

Domville, Charles H., Jr., Glen Ellyn, and E. E. Gray, assignors to Caspers Tin Plate Company, Chicago, Ill. Stacking device. 2,423,691; July 8.

Donnelly, Thomas S., Detroit, Mich. Electrode holder. 2,423,758; July 8.

Douglas Aircraft Company, Inc., assignee: *See*—
Castle, John B.

Dow Chemical Company, The, assignee: *See*—
Freeman, Richard D.
Lynn, George E., and Thiegs.

Dowe, George P., assignor to Geo. P. Dowe Company Limited, Toronto, Ontario, Canada. Electric tank water heater. 2,423,488; July 8.

Dowe, Geo. P., Company Limited, assignee: *See*—
Dowe, George P.

Dreger, Emil E., Summit, and J. Ross, Ramsey, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Normal secondary nonadecyl sulphates. 2,423,692; July 8.

Drewes, William E., San Francisco, Calif. Drier and heater. 2,423,587; July 8.

Dunham Company, The, assignee: *See*—
Schiefelbein, Fredrick W.

Dunn, Gordon M., Lake Placid, N. Y. Bib. 2,423,489; July 8.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Austin, Paul R.
Blake, Ralph K., Stanton, and Schulze.
Ellingboe, Ellsworth K.
Harmon, Jesse.
McQueen, David M.
Murray, Otis W.
Richards, Lawrence M.
Rodman, Ernest A.
Simons, Joseph H.
Woodward, David W.

Dustan, Frank, Fitchburg, Mass., assignor to National Lead Company, New York, N. Y. Drum screen. 2,423,442; July 8.

Eastman Kodak Company, assignee: *See*—
Altman, Fred E.
Davis, Harry I., and Farwell.
Hutchison, Miller R., Jr.
Kenyon, William O., and Unruh.
Knott, Edward B.
Luboshez, Benjamin E.
Morrison, Charles A.
Salminen, Ilmari F., and Weissberger.

Eastman Mfg. Company, assignee: *See*—
Ansorge, Louis E.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Reversal responsive switch. 2,423,693; July 8.

Eddington Metal Specialty Company, assignee: *See*—
Czarnecki, Walter.

Edwards, William K., Big Spring, Tex. Mud hook. 2,423,759; July 8.

Ekco Products Company, assignee: *See*—
Hvale, James L.

Eksergian, Carolus L., and P. W. Gaenssle, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,423,694; July 8.

Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of thiol esters. 2,423,641; July 8.

Elliott, Harold F., Belmont, Mass. Radio control apparatus. 2,423,588; July 8.

Elmore, Norman M., Elizabeth, N. J., assignor to Standard Oil Development Company. Polymerizing isobutylene. 2,423,760; July 8.

Endebak, Peter, assignor to Tuthill Pump Company, Chicago, Ill. Diaphragm shaft seal. 2,423,642; July 8.

Ender, Clarence D., assignor to Hercules Powder Company, Wilmington, Del. Coated paper product. 2,423,555; July 8.

Engineering and Research Corporation, assignee: *See*—
Berliner, Henry A.
Boyd, Chester M.
Gurvitch, Joseph E.

English Electric Company Limited, The, assignee: *See*—
Welsh, Robert J.

Erhardt, Richard, Chicago, Ill. Metal spraying method. 2,423,490; July 8.

Ericks, Walter P., Buffalo, assignor to American Cyanamid Company, New York, N. Y. Condensation products of guanylurea with alkylene oxides. 2,423,643; July 8.

Ericson, George R., Kirkwood, Mo. Engine control device. 2,423,589; July 8.

Evans, Hector C., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Coating composition comprising polybutene, an organic solvent and an amine acetate wetting agent. 2,423,761; July 8.

Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Range finder. 2,423,644; July 8.

Everett, Samuel J., Thornton Heath, England. Pipe joint. 2,423,762; July 8.

Faber, George A.: *See*—
Rubin, Abraham B., and Faber.

Fageol, William B., Kent, Ohio. Wheeled vehicle for children. 2,423,590; July 8.

Fahlstedt, Curt H., Stockholm, Sweden. Card index. 2,423,645; July 8.

Fairbank, Murry N., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Optical lens mounting. 2,423,491; July 8.

Fairbank, Murry N., Weston, assignor to Polaroid Corporation, Cambridge, Mass. Lens mounting. 2,423,492; July 8.

Falco, Louis A., assignor to The Dextone Company, New Haven, Conn. Building structure. 2,423,695; July 8.

Fareso, John, Hornchurch, assignor to G. B. Morgan, London, England. Rotary internal-combustion engine of the rotating abutment type. 2,423,763; July 8.

Farrel-Birmingham Company, Inc., assignee: *See*—
Gasser, Emil R.

Farwell, Daniel E.: *See*—
Davis, Harry I., and Farwell.

Faust, Jacob: *See*—
Murphy, Thomas G., and Faust.

Fay, Clifford E., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High power electronic discharge device for generating ultra-high frequency radiations. 2,423,443; July 8.

Feibelmann, Richard, assignor, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Hygroscopic liquid composition and the process of softening paper with said composition. 2,423,556; July 8.

Fiat Metal Manufacturing Co., assignee: *See*—
Nilson, Stanley E.

Fink, Frank J., Chardon, assignor to The Parker Appliance Company, Cleveland, Ohio. Polygonal generating tool. 2,423,696; July 8.

Fink, Henry A.: *See*—
Keogh, Thomas P., and Fink.

Fitzpatrick, Jeremiah, Weymouth, assignor to William J. Fitzpatrick, Abington, Mass. Display form for shoes. 2,423,445; July 8.

Fitzpatrick, William J., assignee: *See*—
Fitzpatrick, Jeremiah.

Flippen, Leroy R., Clearfield, and F. L. Hennefer, Kaysville, Utah. Battery charger with reversible feature. 2,423,646; July 8.

Flitton, Bruce C., Long Beach, Calif. Air navigation computor. 2,423,764; July 8.

Flude, John W., Houston, Tex. Apparatus for making geophysical surveys under water. 2,423,591; July 8.

Folberth, William M., Cleveland, and P. Parmelee, Cuyahoga Falls, Ohio; said Parmelee assignor to said Folberth. Archery bow. 2,423,765; July 8.

Folkins, Hillis O., Skokie, assignor to The Pure Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,423,493; July 8.

Folkins, Hillis O., Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Cracking of hydrocarbons in the presence of halogen-containing sensitizers. 2,423,494; July 8.

Ford, Elbert C.: *See*—
Luben, Raymond R., and Ford.

Foster, William J., Flint, assignor to General Motors Corporation, Detroit, Mich. Air flow control for crankcase ventilation. 2,423,592; July 8.

Freeman, Richard D., assignor to The Dow Chemical Company, Midland, Mich. Creaming latexes. 2,423,766; July 8.

Fry, Douglas J., and J. D. Brooks, assignors to Ilford Limited, Ilford, England. Tone-control agents for silver halide emulsions. 2,423,767; July 8.

Fuel Refining Corporation, assignee: *See*—
Otto, Carl.

Gaenssle, Paul W.: *See*—
Eksergian, Carolus L., and Gaenssle.

Galuska, Stanley, Chicago, Ill. Window sash retaining device. 2,423,495; July 8.

Garfield, Edward L., Scarsdale, assignor to Ice Air Conditioning Co., Inc., New York, N. Y. Assembling headers and tubes. 2,423,697; July 8.

Gasser, Emil R., assignor to Farrel-Birmingham Company, Inc., Buffalo, N. Y. Lapping gears. 2,423,598; July 8.

General Aniline & Film Corporation, assignee: *See*—
Rochrl, Bruno C.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Eaton, John.
McArthur, Elmer D.
Meahl, Harry B.
Thielemann, Rudolf H.

General Motors Corporation, assignee: *See*—
Foster, William J.
Mulligan, Maurice J., and Cramer.
Smart, Clarence F.

Gibson Refrigerator Company, assignee: *See*—
Benson, Ralph L.

Gieringer, Carl K., assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio. Resonance indicating and controlling device. 2,423,594; July 8.

Gilbert & Barker Manufacturing Company, assignee: *See*—
De Lancey, Warren H.

Givan, Minor L.: *See*—
Heald, Robert F., and Givan.

Goff, Lindsay O., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Apparatus for coating flexible webs. 2,423,768; July 8.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television system. 2,423,769; July 8.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color television system. 2,423,770; July 8.

Gould, Harold W., Evanston, assignor to Crane Packing Company, Chicago, Ill. Gasket. 2,423,771; July 8.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Manufacture of bimetal. 2,423,810; July 8.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Welding assembly. 2,423,811; July 8.

Graffin, John T.: *See*—
Mantilla, Carlos, and Graffin.

Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Apparatus for controlling gun chargers. 2,423,446; July 8.

Gray, Earl E.: *See*—
Domville, Charles H., Jr., and Gray.

Gray, Kenneth R.: *See*—
Schlosser, Paul H., and Gray.

Gray, Robert M., Sheffield, Ala. Apparatus for handling concrete blocks. 2,423,557; July 8.

Greppi, Charles, Shorewood, Wis. Splint. 2,423,496; July 8.

Grimm, Henry H., Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War. High frequency ammeter and power meter. 2,423,447; July 8.

Gurvitch, Joseph E., Hyattsville, assignor to Engineering and Research Corporation, Riverdale, Md. Making articles of compressed and impregnated wood. 2,423,647; July 8.

Haase, Harold R., River Forest, Ill. Rake. 2,423,772; July 8.

Haight, Stanley M., U. S. Navy. Fist gun. 2,423,448; July 8.

Hailslip, Robert L.: *See*—
Mosena, Roscoe L., Traylor, Hailslip, and Hall.

Hall, Alvin E.: *See*—
Mosena, Roscoe L., Traylor, Hailslip, and Hall.

Hall, Edgar C., Los Angeles, Calif. Dry shaver. 2,423,595; July 8.

Hallman, John W., assignee: *See*—
Hallman, Rex L.

Hallman, Rex L., Milford, assignor of thirty percent to J. W. Hallman, Devon, Conn. Strip working apparatus. 2,423,098; July 8.

Hand, Walter, Memphis, Tenn. Folding bed. 2,423,699; July 8.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 2,423,648; July 8.

Hardy, Gordon W., Cleveland Heights, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Propeller blade. 2,423,700; July 8.

Hardy, Gordon W., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Pump. 2,423,701; July 8.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of products having recurring arylethylene units with termini from a saturated halogenated alkane. 2,423,497; July 8.

Hart, Coleridge W., Peekskill, N. Y. Molded block of activated carbon in a porous casing of fireproofed carbon. 2,423,702; July 8.

Hart, John A. H., and E. W. Lee, assignors to Ilford Limited, Ilford, England. Purification of gelatin. 2,423,773; July 8.

Hazeltine Research, Inc., assignee: *See*—
Bels, Hasil A.

Heald, Robert F., Nutley, and M. L. Givan, Orange, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of spray dried soap particles having only slight dust-forming tendencies. 2,423,449; July 8.

Heald, Robert F., Nutley, and M. L. Givan, East Orange, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of synthetic organic detergent particles having only slight dust-forming tendencies. 2,423,450; July 8.

Heigl, John J., Tulsa, Okla., assignor to Standard Oil Development Company. Oil determination. 2,423,774; July 8.

Henderson, John R., Indianapolis, Ind. Lift truck. 2,423,703; July 8.

Hennefer, Fred L.: *See*—
Flippen, Leroy R., and Hennefer.

Hennessy, James J., Montclair, N. J. Railway lubricator. 2,423,775; July 8.

Hercules Powder Company, assignee: *See*—
Ender, Clarence D.

Herman, Isidor J., and A. D. Davis, Montreal, Quebec, Canada. Producing mock patch pocket. 2,423,558; July 8.

Heyden Chemical Corporation, assignee: *See*—
Feibelmann, Richard.
Sokol, Herman.

Hollingsworth, Douglas T., assignor to British Insulated Callender's Cables Limited, London, England. Termination for high tension electric cables. 2,423,596; July 8.

Holuba, Stanley J., North Bergen, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap product and making same. 2,423,451; July 8.

Holuba, Stanley J., North Bergen, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Treating sprayed dried organic detergents. 2,423,452; July 8.

Hood, Robert L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Fabric abrading tester. 2,423,704; July 8.

Hornstein, Samuel: *See*—
Aiken, Thomas M.

Horvitch, Gerard M., Johannesburg, Transvaal, Union of South Africa. Electric burglar alarm. 2,423,649; July 8.

Howe, James V., Philadelphia, Pa. Projectile. 2,423,453; July 8.

Hudr Corporation, assignee: *See*—
Zahm, George G.

Hueber, Carl J., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Retaining an index card and printing plate on a carrier. 2,423,705; July 8.

Hull, Eleanor H., New York, N. Y. Shoulder pad construction. 2,423,498; July 8.

Hulst, George D., Jr.: *See*—
Shmurak, Benjamin, and Hulst.

Humpola, Frank J., Rosenberg, Tex. Tie and collar stay. 2,423,776; July 8.

Hurd Corporation, assignee: *See*—
Zahm, George G.

Hurn, Francis J., Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited. Instrument panel for motor cars and other vehicles. 2,423,597; July 8.

Hurst, Gordon F., San Jose, Calif. Foam nozzle. 2,423,650; July 8.

Husek, Helen P.: *See*—
Barnes, Arthur, and Husek.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Blade and cover blind shutter. 2,423,706; July 8.

Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Pressure cooker cover fastener. 2,423,559; July 8.

Hyde, Walter L.: *See*—
Billings, Bruce H., Hyde, and Barr.

Hynes, Lee P., Haddonfield, N. J. Electric water heater. 2,423,598; July 8.

Ice Air Conditioning Co. Inc., assignee: *See*—
Garfield, Edward L.

Ilford Limited, assignee: *See*—
Fry, Douglas J., and Brooks.
Hart, John A. H., and Lee.

Ingersoll-Rand Company, assignee: *See*—
Naab, Julius, and Ostwald.

Jasper, Lenus, Orland, Calif., assignor to S. S. Barker, Ottumwa, Iowa. Fowl suspension apparatus. 2,423,560; July 8.

Jearum, Frederick C., Sutton, England. Machine or mechanism for generating shapes or profiles for diamonds and the like. 2,423,777; July 8.

Jobst, Conrad, assignor to Toledo Automatic Brush Machine Company, Toledo, Ohio. Work holder for brush making machines. 2,423,499; July 8.

Johns-Manville Corporation, assignee: *See*—
Cummins, Arthur B.

Johnson, A., & Co., assignee: *See*—
Agren, Per H. W.

Johnson, Charles E., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,423,500; July 8.

Johnson, Seth, Farmingdale, N. Y., assignor to Republic Aviation Corporation. Retractable landing gear lock for aircraft. 2,423,501; July 8.

Johnstone, Robert M., Bondsville, Pa. Journal structure. 2,423,778; July 8.

Jones, Elizabeth T., administratrix: *See*—
Jones, Karl M.

Jones, Karl M., deceased, by E. T. Jones, administratrix, Garrison, N. Y. Combined screening and gravity liquid separation apparatus. 2,423,651; July 8.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,423,454; July 8.

Jorgensen, Julius, Detroit, Mich. Coin counting and sorting machine. 2,423,502; July 8.

Juppenlatz, John W.: *See*—
Sullivan, William B., and Juppenlatz.

Kaden, Max, New York, N. Y. Tie holder. 2,423,561; July 8.

Kahn, Phil B., Guernewood Park, Calif. Rule guided point marker. 2,423,779; July 8.

Kamlet, Jonas, New York, N. Y., assignor to Publicker Industries, Inc. Preparing alpha-methallyl alcohol. 2,423,599; July 8.

Karl, Lorenz, and F. Kugel, Heidenheim-on-the-Brenz, Germany, assignors to American Voith Contact Company, Inc., New York, N. Y. Thermostatic outlet valve control for fluid coupling. 2,423,812; July 8.

Keller, H. V., Manufacturing Co., assignee: *See*—
Tonn, Christ.

Kelley, Merle B., Washington, assignor to Kel-Mar Tire Remover Company, Pittsburgh, Pa. Tire removing apparatus. 2,423,652; July 8.

Kel-Mar Tire Remover Company, assignee: *See*—
Kelley, Merle B.

Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Fabric or gauze of uniformly oxidized cellulose. 2,423,707; July 8.

Keogh, Thomas P., New York, and H. A. Fink, Pelham Manor, assignors to Continental Can Company, Inc., New York, N. Y. Salvaging metal cans. 2,423,708; July 8.

Kern, Edward A.: *See*—
Middleton, Leslie H., and Kern.

Klein, Mathis, & Sons, assignee: *See*—
Wendt, Walter F.

Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. 4-aryl thiazole (and selenazole)-5-acetic acids and esters and producing the same. 2,423,709; July 8.

Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion. 2,423,710; July 8.

Knox, Roy R., New Orleans, La. Ball-bearing foot for furniture and the like. 2,423,711; July 8.

Kollenberg, Conrad H., Goose Creek, and N. P. Peet, Baytown, Tex., assignors to Standard Oil Development Company. Precoating filters. 2,423,780; July 8.

Koontz, Lamont B., Deer Lodge, Mont. Control apparatus. 2,423,781; July 8.

Korman, Nathaniel I.: *See*—
Sonthemler, Carl G., and Korman.

Krag, Franz K., assignee: *See*—
Nelson, John V.

Krag Steel Products, Inc., assignee: *See*—
Nelson, John V.

Kugel, Fritz: *See*—
Karl, Lorenz, and Kugel.

La Chapelle, Euclid I., Brockton, Mass. Insole for welt shoes. 2,423,712; July 8.

Lacourse, Raymond, Montreal, Quebec, Canada. Garment hanger. 2,423,782; July 8.

Lanco Products Corporation, assignee: *See*—
Landers, Manfred.
Nelson, Bernard.

Land, Edwin H., Cambridge, J. Mahler, Brookline, and W. H. Ryan, assignors to Polaroid Corporation, Cambridge, Mass. Composite plastic sheet comprising a molecularly oriented polyvinyl alcohol layer and manufacture. 2,423,503; July 8.

Land, Edwin H., Cambridge, Mass., and D. P. Cooper, Jr., Hyde Park, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. Forming light-polarizing images. 2,423,504; July 8.

Landers, Manfred, assignor to Lanco Products Corporation, New York, N. Y. Ice cream manufacturing process and product thereof. 2,423,600; July 8.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Bridge stabilized oscillator. 2,423,505; July 8.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Wavemeter for centimeter waves. 2,423,506; July 8.

Larson, Charles O., Sterling, Ill. Pipe hanger. 2,423,455; July 8.

Lauman, Herman E., Garden City, N. Y. Apparatus for developing wells. 2,423,653; July 8.

Lavietes, Abraham H., assignee: *See*—
Lavietes, Raymond P.

Lavietes, Raymond P., assignor to A. H. Lavietes, Shelton, Conn. Block plane. 2,423,713; July 8.

Lawton, Joseph B., Bartlesville, Okla., assignor of one-half to S. N. Van Wert, Dallas, Tex. Planetary piston pump. 2,423,507; July 8.

Lebanon Steel Foundry, assignee: *See*—
Sullivan, William B., and Juppenlatz.

Lechthaler, Charles H., Woodbury, and R. Lee, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for handling contact masses. 2,423,813; July 8.

Leck, George W., Princeton Junction, N. J., assignor to Radio Corporation of America. Wave guide switching device. 2,423,508; July 8.

Lee, Edward W.: *See*—
Hart, John A. H., and Lee.

Lee, George E., Kansas City, Mo. Film cartridge for moving picture cameras. 2,423,562; July 8.

Lee, Russell: *See*—
Lechthaler, Charles H., and Lee.

Leis, Arthur F., Dayton, Ohio. Variable delivery vane pump. 2,423,654; July 8.

Lendle, Carl R., Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment sleeve steamer and stretcher. 2,423,509; July 8.

Leonard, Laurence E., Trail, British Columbia, Canada, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Electrode clamp. 2,423,714; July 8.

Liebel-Flarsheim Company, The, assignee: *See*—
Gieringer, Carl K.

Liebowitz, Benjamin, Lewisboro, assignor to Trubenizing Process Corporation, New York, N. Y. One-piece collar. 2,423,510; July 8.

Linde Air Products Company, The, assignee: *See*—
Morris, Edward D.
Yendall, Edward F.

Lippincott, Samuel B., Westfield, N. J., assignor to Standard Oil Development Company. Making 1,3-diols from olefins and aldehydes. 2,423,783; July 8.

Logue, Leland H., assignor to Mining Process and Patent Company, Denver, Colo. Multiple-stage froth flotation. 2,423,456; July 8.

Luben, Raymond R., Shelton, and E. C. Ford, Woodbridge, Conn. Self-centering awl. 2,423,511; July 8.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for abrading surfaces. 2,423,715; July 8.

Lynn, George E., and B. J. Thiegs, assignors to The Dow Chemical Company, Midland, Mich. Preparation of parasiticidal mixtures. 2,423,457; July 8.

MacArthur, William L., Seattle, Wash. Shear for frangible materials. 2,423,601; July 8.

Mackey, Richard C., Antioch, Calif. Sugar container and dispenser. 2,423,784; July 8.

MacMasters, Majel M.: *See*—
Bice, Claude W., and MacMasters.

Magdeburger, Edward C., assignee: *See*—
Barrett, Charles G.

Magdeburger, Edward C., Washington, D. C. Manifold for internal-combustion engines. 2,423,602; July 8.

Magnaflux Corporation, assignee: *See*—
Clarke, John E.

Mahler, Joseph: *See*—
Land, Edwin H., Mahler, and Ryan.

Mantilla, Carlos, and J. T. Graffin, Lima, Peru. Safety fuse outlet plug. 2,423,512; July 8.

Markman, George F. Renwick, Iowa. Electric fence insulator. 2,423,785; July 8.

Marquette Metal Products Company, The, assignee: *See*—
Hardy, Gordon W.

Mars, Albert and M. M., Cleveland, Ohio. Pipe coupling or joint. 2,423,655; July 8.

Mars, Michael M.: *See*—
Mars, Albert and M. M.

Martin, William, Dayton, Ohio. Expanding tool and flexible shaft for removing dents from tubing. 2,423,458; July 8.

Maryland Baking Company, Inc., assignee: *See*—
Cutler, Jacob.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective apparatus. 2,423,459; July 8.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Leonard, Laurence E.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency magnetron of the resonator type. 2,423,716; July 8.

McCandless, William, Toledo, Ohio. Float operated rheostat. 2,423,603; July 8.

McCord, Claude M., Memphis, Tenn. Wiper and valve for register box windows. 2,423,604; July 8.

McCutchen, Joseph K., Ellijay, Ga. Tufting machine. 2,423,605; July 8.

McCutchen, Joseph K., Ellijay, Ga. Tufting machine. 2,423,606; July 8.

McCutchen, Joseph K., Ellijay, Ga. Machine for making elongated tufts. 2,423,607; July 8.

McCutchen, Joseph K., Ellijay, Ga. Looping machine. 2,423,608; July 8.

McQueen, David M., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements containing polyamide dye intermediate layers. 2,423,460; July 8.

Meahl, Harry R., Schenectady, N. Y., assignor to General Electric Company. Attenuator for ultra high frequencies. 2,423,461; July 8.

Mercier, Pierre E., Neuilly, France. Flexible coupling for exhaust conduits of internal-combustion engines. 2,423,462; July 8.

Messer, John H., Pittsburgh, Pa. Protective cover for smoke pipes. 2,423,656; July 8.

Mettler, Hal C., Alhambra, assignor of one-half to L. Spencer, South Pasadena, Calif. Controller for mobile glow discharge systems. 2,423,814; July 8.

Meyer, Robert N., Chicago, Ill. Projection navigational instrument. 2,423,513; July 8.

Middleton, Leslie H., Toledo, and E. A. Kern, Weston, Ohio. Bellows operated rheostat. 2,423,609; July 8.

Mikina, Stanley J., Wilkinsburg, Pa. Artificial minnow. 2,423,717; July 8.

Miller, Albert F., New York, N. Y. Electric burglar alarm. 2,423,610; July 8.

Miller Company, The, assignee: *See*—
Delancey, Ralph W.

Miller, Elmer L.: *See*—
Walther, George, and Miller.

Miller, Homer B., Gardiner, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Jointing machine. 2,423,514; July 8.

Minich, Arthur, Westfield, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Copper hydroxy soaps. 2,423,611; July 8.

Mining Process and Patent Company, assignee: *See*—
Logue, Leland H.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Busse, Francis A., and Wilson.
Upton, Albert P.
Wilson, John M., and Busse.

M-O Valve Company Limited, The, assignee: *See*—
Ramsay, Henry T.

Moncrief, John L., Eatontown, N. J. Remote control circuits. 2,423,464; July 8.

Moore, James R., Rumson, N. J., assignor to the United States of America, as represented by the Secretary of War. Resistance network. 2,423,463; July 8.

Morgan, George B.: *See*—
Fareso, John.

Morrell, Charles E.: *See*—
Slotterbeck, Ober C., and Morrell.
Morris, Edward D., Chicago, Ill., assignor to The Linde Air Products Company. Repetitive blanketed electric fusion welding with high-frequency starting. 2,423,515; July 8.
Morris, Maurice E., Oakland, Calif. Paper feeder. 2,423,563; July 8.
Morris, William, New Haven, Conn. Universal drafting and mesauring instrument. 2,423,786; July 8.
Morrison, Charles A., assignor to Eastman Kodak Company, Rochester, N. Y. Stadiametric range finder. 2,423,718; July 8.
Mosena, Roscoe L., G. H. Traylor, and R. L. Haislip, Maryville, and A. E. Hall, Alcoa, Tenn., assignors to Aluminum Company of America, Pittsburgh, Pa. Crust braking apparatus. 2,423,787; July 8.
Muffly, Glenn, Springfield, Ohio. Motor-compressor unit lubrication. 2,423,719; July 8.
Müllejans, Paul, Lindau, and F. Neugebauer, Munich-Allach, Germany; vested in the Attorney General of the United States. Starter for free piston motor compressors. 2,423,720; July 8.
Muller-Molnar, Bela A., New York, N. Y. Hairpin dispenser. 2,423,788; July 8.
Mulligan, Maurice J., Detroit, and P. L. Cramer, Highland Park, assignors to General Motors Corporation, Detroit, Mich. Isomerization of olefins. 2,423,612; July 8.
Murphy, Thomas G., Franklin, Pa., and J. Faust, Belleville, N. J., assignors to L. Sonneborn Sons, Inc. Pour point depressants for lubricating oils. 2,423,789; July 8.
Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Multilayer photographic elements. 2,423,465; July 8.
Mutch, James B., assignor to Rochester Shoe Tree Co., Inc., Rochester, N. Y. Toy. 2,423,657; July 8.
Naab, Julius, and R. Ostwald, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Safety device for valve gear of expansible chamber motors. 2,423,516; July 8.
National Lead Company, assignee: *See*—
Dustan, Frank.
Nelson, Bernard, assignor to Lanco Products Corporation, New York, N. Y. Manufacturing ice cream and product thereof. 2,423,613; July 8.
Nelson, John V., Elmhurst, assignor to F. K. Krag, Chicago, Ill. Tool grinding machine and the like. 2,423,790; July 8.
Nelson, John V., Elmhurst, assignor to Krag Steel Products, Inc., Chicago, Ill. Dies and the like. 2,423,791; July 8.
Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Bucket spinning guide. 2,423,721; July 8.
Neugebauer, Franz: *See*—
Müllejans, Paul, and Neugebauer.
Nilson, Stanley E., assignor to Fiat Metal Manufacturing Co., Chicago, Ill. Shower cabinet. 2,423,722; July 8.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.
Norda Essential Oil & Chemical Company, Inc., assignee: *See*—
Aeschbach, Max E.
Norway, Harold L., Evanston, assignor to The Bastian-Blessing Company, Chicago, Ill. Dispensing device with flow restrictor and frangible outlet closure. 2,423,792; July 8.
Nuodex Products Co., Inc., assignee: *See*—
Minich, Arthur.
Roon, Leo.
O'Callaghan, Jerome J., Skokie, and R. W. Saville, Wilmette, assignors to The Rauland Corporation, Chicago, Ill. Vibrator power supply. 2,423,614; July 8.
Olivo, Walter L., and J. B. Terrell, Denver City, Tex. Oil and water separator having a collecting pipe and a stratification pipe therebelow. 2,423,793; July 8.
Ostwald, Richard: *See*—
Naab, Julius, and Ostwald.
Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Production of ammonium sulphate. 2,423,794; July 8.
Page, Thomas L., Stamford, Conn. Pruning nippers of the pull operated type. 2,423,723; July 8.
Parker Appliance Company, The, assignee: *See*—
Fink, Frank J.
Wolfram, John N.
Parmelee, Paul: *See*—
Folberth, William M., and Parmelee.
Patterson, John A., Westfield, N. J., assignor to Standard Oil Development Company. Recovery of hydrocarbons and acetone from admixtures by phase separation and azeotropic distillation. 2,423,795; July 8.
Paxton, Floyd G., Riverside, Calif. Plant propagating pot and making same. 2,423,724; July 8.
Pecher, Lawrence H., Akron, Ohio. Fishing lure. 2,423,615; July 8.
Peet, Nick P.: *See*—
Kollenberg, Conrad H., and Peet.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time division multiplex. 2,423,466; July 8.
Philco Corporation, assignee: *See*—
Roberts, Bruce.
Piccard, Jean F.: *See*—
Akerman, John D., and Piccard.
Pierce, Lyle L., assignor to Boeing Aircraft Company, Seattle, Wash. Gang scribing machine. 2,423,564; July 8.
Platt, Lester B., Jr., New York, N. Y. Hydroplane. 2,423,796; July 8.
Poe, John H., assignee: *See*—
Sloan, John I.
Polaroid Corporation, assignee: *See*—
Barnes, Arthur, and Husek.
Billings, Bruce H., and Hyde, and Barr.
Cooper, Dexter P., Jr.
Fairbank, Murry N.
Land, Edwin H., and Cooper.
Land, Edwin H., Mahler, and Ryan.
Williams, Charles W.
Poole, Frederick A., deceased, Barrington, Ill., by American National Bank and Trust Company of Chicago and P. L. Poole, executors, assignors to Production Instrument Company, Chicago, Ill. Add and subtract counter and control device for a game apparatus. 2,423,725; July 8.
Poole, Paul L., executor: *See*—
Poole, Frederick A.
Prata, Joe, Torrance, Calif. Quick breaking union for pipe ends. 2,423,726; July 8.
Priem, Harry E., Dunmore, Pa. Brush holder. 2,423,658; July 8.
Production Instrument Company, assignee: *See*—
Poole, Frederick A.
Providence Braid Company, assignee: *See*—
Rafter, John R.
Publicker Industries Inc., assignee: *See*—
Carnarius, Edwin H.
Kamlet, Jonas.
Punte, William F.: *See*—
Coyle, John, and Punte.
Pure Oil Company, The, assignee: *See*—
Folkins, Hillis O.
Folkins, Hillis O., and Thacker.
Thacker, Carlisle M., and Swann.
Pyrene Company Limited, The, assignee: *See*—
Ratzer, Arthur F.
Rabe, William H., Upper Arlington, Ohio. Antiskid device for chairs. 2,423,659; July 8.
Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Evans, John.
Goldsmith, Alfred N.
Hansell, Clarence W.
Landon, Vernon D.
Leck, George W.
Rhea, Henry E.
Rhea, Henry E., and Wipff.
Shmurak, Benjamin, and Hulst.
Sontheimer, Carl G., and Korman.
Wolff, Irving.
Radio Patents Corporation, assignee: *See*—
Rath, Karl.
Rafter, John R., Sharon, Mass., assignor to Providence Braid Company. Throttling device for two opposed electrically controlled forces. 2,423,727; July 8.
Ramsay, Henry T., Hatch End, assignor to The M-O Valve Company Limited, London, England. Thermionic gas-filled rectifier circuit. 2,423,815; July 8.
Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Self-balancing translation system. 2,423,616; July 8.
Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Continuous balance motor control system. 2,423,617; July 8.
Ratzer, Arthur F., assignor to The Pyrene Company Limited, Brentford, England. Fire-foam producing apparatus. 2,423,618; July 8.
Rauland Corporation, The, assignee: *See*—
O'Callaghan, Jerome J., and Saville.
Szegho, Constantin S.
Ray, Henry, New York, N. Y. Coin holder. 2,423,467; July 8.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Engine control system. 2,423,728; July 8.
Rayonier Incorporated, assignee: *See*—
Schlosser, Paul H., and Gray.
Raytheon Manufacturing Company, assignee: *See*—
Dawson, John W.
Reber, Grote, Wheaton, assignor to Stewart-Warner Corporation, Chicago, Ill. High-frequency circuit. 2,423,797; July 8.
Refining, Unincorporated, assignee: *See*—
Clayton, Benjamin.
Regents of the University of Minnesota, assignee: *See*—
Akerman, John D., and Piccard.
Reichstein, Tadeus, Basel, Switzerland, assignor to the firm of Roche Organon, Inc., Nutley, N. J. 3-keto-20,21-dihydroxy saturated pregnane compounds. 2,423,517; July 8.
Renkes, John D., Clinton, Iowa, assignor to Volkman Furniture Manufacturing Company, Morrison, Ill. Reclining chair. 2,423,816; July 8.

Republic Aviation Corporation, assignee: *See*—
Johnson, Seth.
Revere Copper and Brass Incorporated, assignee: *See*—
Goulding, Joseph M.
Reyburn Manufacturing Company, Incorporated, The, assignee: *See*—
Schmutzler, Robert C.
Reynolds, Charles E., Alexandria, Va. Power line tapping clamp. 2,423,660; July 8.
Rhea, Henry E., Collingswood, N. J., assignor to Radio Corporation of America. Cathode ray tube direction finder. 2,423,518; July 8.
Rhea, Henry E., Collingswood, N. J., assignor to Radio Corporation of America. Reflected wave direction finder. 2,423,661; July 8.
Rhea, Henry E., Collingswood, N. J., and F. P. Wipff, Dallas, Tex., assignors to Radio Corporation of America. Reflected wave direction finder. 2,423,519; July 8.
Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photopolymerization of vinylidene compounds in the presence of N-disubstituted dithiocarbamic esters. 2,423,520; July 8.
Ridder, Joseph U., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Burr removing mechanism. 2,423,468. July 8.
Roberts, Bruce, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph pickup device. 2,423,662; July 8.
Roche Organon, Inc., assignee: *See*—
Reichstein, Tadeus.
Rochester Shoe Tree Co., Inc., assignee: *See*—
Mutch, James B.
Rodman, Ernest A., Newburg, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl acetal resin compositions. 2,423,565; July 8.
Roehrl, Bruno C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film cartridge. 2,423,663; July 8.
Röhm & Haas Company, assignee: *See*—
Butterbaugh, Darrel J., and Spence.
Roon, Leo, South Orange, assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Preparing copper fungicide solutions. 2,423,619; July 8.
Roosen, H. D., Company, Inc., assignee: *See*—
Bernstein, Isidor M.
Rose, Joseph P., Ulster County, assignor to F. L. Russell Corporation, Saugerties, N. Y. Bound book. 2,423,817; July 8.
Ross, John: *See*—
Dreger, Emil E., and Ross.
Rubin, Abraham B., and G. A. Faber, Millersburg, Pa., assignors, by mesne assignments, to Columbia Development Company. Last. 2,423,566; July 8.
Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Condition responsive apparatus for rotatable members. 2,423,620; July 8.
Rühle, Rudolf, Stuttgart-Zuffenhausen, Germany; vested in the Attorney General of the United States. Vaporization of substances in a vacuum. 2,423,729; July 8.
Russell, F. L., Corporation, assignee: *See*—
Rose, Joseph P.
Ryan, William H.: *See*—
Land, Edwin H., Mahler, and Ryan.
Ryder, Earl, Bergen, N. Y. Headlight lens. 2,423,664; July 8.
Sabaitis, John, Grand Rapids, Mich. Newspaper dispenser. 2,423,621; July 8.
Sabner, Mark, London, England. Side frame for chairs and the like. 2,423,798; July 8.
Salem Engineering Company, The, assignee: *See*—
Vogeli, Harry E.
Salminen, Ilmari F., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Acylamino phenols. 2,423,730; July 8.
Samblanet, Herman L., Canton, Ohio. Sesamoid-cuboid foot balancer. 2,423,622; July 8.
Saville, Robert W.: *See*—
O'Callaghan, Jerome J., and Saville.
Schassberger, Norman A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Windshield and mounting. 2,423,623; July 8.
Schlefelbein, Frederick W., assignor to The Dunham Company, Berea, Ohio. Adjusting means for soil working implements. 2,423,731; July 8.
Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Chemically prepared wood pulp product and producing the same. 2,423,469; July 8.
Schmutzler, Robert C., assignor to The Reyburn Manufacturing Company, Incorporated, Philadelphia, Pa. Tag. 2,423,818; July 8.
Schulze, Ferdinand: *See*—
Blake, Ralph K., Stanton, and Schulze.
Scovill Manufacturing Company, assignee: *See*—
Barlow, William H.
Chochol, Joseph.
Selby, Lloyd L., Denver, Colo. Trousers stretcher. 2,423,521; July 8.
Shelstad, Adolph, St. Paul, Minn. Hitch pin holder. 2,423,799; July 8.
Sherman, Jacob S., Chicago, Ill. Lighter. 2,423,567. July 8.
Shmukler, Albert, and H. Bronstein, Philadelphia, Pa. Articulator. 2,423,522; July 8.
Shmurak, Benjamin, Forest Hills, N. Y., and G. D. Hulst, Jr., Upper Montclair, N. J., assignors to Radio Corporation of America. Pulse direction finder system. 2,423,523; July 8.
Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Vibrator. 2,423,524; July 8.
Silva, Manuel, Glendale, R. I. Dabbing brush mechanism. 2,423,800; July 8.
Simons, Joseph H., State College, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkylation of an acyclic organic compound with an alkylation agent using hydrogen fluoride as catalyst. 2,423,470; July 8.
Singer, Grover C., Brownsville, Tex. Electric lamp. 2,423,525; July 8.
Sloan, John I., assignor of one-fifth to J. H. Poe, Tulsa, Okla. Apparatus for mixing drilling mud. 2,423,801; July 8.
Slotterbeck, Ober C., Clark Township, Union County, and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Process of separating alpha methyl styrene from a mixture containing cumene. 2,423,802; July 8.
Slowig, Gerhard, Astoria, N. Y. Shaft coupling. 2,423,568; July 8.
Smart, Clarence F., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Indium plating. 2,423,624; July 8.
Smith, Andrew, Milwaukee, Wis. Combined aeroplane and helicopter. 2,423,625; July 8.
Smith, Arthur A.: *See*—
Vokes, Cecil G., and Smith.
Smith, S., & Sons (England) Limited, assignee: *See*—
Hurn, Francis J.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Lechthaler, Charles H., and Lee.
Sokol, Herman, Hasbrouck Heights, N. J., assignor to Heyden Chemical Corporation, New York, N. Y. Production of acylated hydroxy-substituted carboxylic acids. 2,423,569; July 8.
Solar-Sturges Mfg. Co., assignee: *See*—
Bethke, Leo.
Sonneborn Sons, L., Inc., assignee: *See*—
Murphy, Thomas G., and Faust.
Sontheimer, Carl G., Haddonfield, and N. I. Korman, Camden, N. J., assignors to Radio Corporation of America. Reflectometer for waveguide transmission lines. 2,423,526; July 8.
Souza, Manuel O., Newman, Calif. Hay unloading apparatus. 2,423,732; July 8.
Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.
Spence, Le Roy U.: *See*—
Butterbaugh, Darrel J., and Spence.
Spencer, Lloyd, assignee: *See*—
Mettler, Hal C.
Stalker, Edward A., Bay City, Mich. Rotary wing aircraft with mechanical balancing for flapping. 2,423,733; July 8.
Stalker, Edward A., Bay City, Mich. High lift device. 2,423,803; July 8.
Standard Oil Development Company, assignee: *See*—
Bruce, William A.
Calfee, John D., and Young.
Elmore, Norman M.
Evans, Hector C., and Young.
Heigl, John J.
Kollenberg, Conrad H., and Peet.
Lippincott, Samuel B.
Patterson, John A.
Slotterbeck, Ober C., and Morrell.
Stanton, William A.: *See*—
Blake, Ralph K., Stanton, and Schulze.
Steiner, Moe, Brooklyn, N. Y. Cloth-cutting machine knife sharpener. 2,423,570; July 8.
Steinschlaeger, Michael, London, England. Process and apparatus for the cracking of carbonaceous material. 2,423,527; July 8.
Sterner, Bernard, London, England. Key. 2,423,734; July 8.
Stewart, Everett R., Glendale, Calif. Helicopter navigation light. 2,423,528; July 8.
Stewart-Warner Corporation, assignee: *See*—
Reber, Grote.
Strand, Harold D., St. Paul, Minn. Trestle clamp. 2,423,735; July 8.
Sullivan, William B., Cleona, and J. W. Juppenlatz, assignors to Lebanon Steel Foundry, Lebanon, Pa. Acid resistant alloy. 2,423,665; July 8.
Summerbell, William, Washington, D. C. Subcaliber auxiliary barrel and extractor. 2,423,471; July 8.
Swann, Ralph C.: *See*—
Thacker, Carlisle M., and Swann.
Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Manufacturing screens in cathode ray tubes. 2,423,626; July 8.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,423,736; July 8.

Tavano Aero Engineering Co., The, assignee: *See*—
Tavano, John B.
Tavano, John B., assignor to The Tavano Aero Engineering Co., Waterbury, Conn. Belt abrading machine. 2,423,737; July 8.
Taylor, Auburn, Charleston, W. Va. Folding table. 2,423,529; July 8.
Tennens, Nathaniel, London, England. Skirt. 2,423,666; July 8.
Terrell, Joseph B.: *See*—
Olivo, Walter L., and Terrell.
Thacker, Carlisle M.: *See*—
Folkins, Hillis O., and Thacker.
Thacker, Carlisle M., Highland Park, and R. C. Swann, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Alkylation of aryl hydrocarbons. 2,423,530; July 8.
Theis, Matthew, Minneapolis, Minn. Gun support. 2,423,531; July 8.
Thiegs, Bernard J.: *See*—
Lynn, George E., and Thiegs.
Thielemann, Rudolf H., Schenectady, N. Y., assignor to General Electric Company. Forgeable alloy for high-temperature use. 2,423,738; July 8.
Tillman, George, Kinsville, Tex. Ventilator for buildings. 2,423,739; July 8.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Electrical conduit clamp. 2,423,627; July 8.
Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.
Toledo Automatic Brush Machine Company, assignee: *See*—
Jobst, Conrad.
Tonn, Christ, assignor to H. V. Keller Manufacturing Co., Minneapolis, Minn. Ironing table having folding supports. 2,423,628; July 8.
Travis, Stella J., Spirit Lake, Iowa. Mail box. 2,423,532; July 8.
Traylor, George H.: *See*—
Mosena, Roscoe L., Traylor, Haislip, and Hall.
Troxel, Robert: *See*—
Coleman, Philip G.
Trubenizing Process Corporation, assignee: *See*—
Liebowitz, Benjamin.
Turner, Dora E., Beverly, Mass. Winding appliance. 2,423,533; July 8.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Adjustable receiver for spent bobbins. 2,423,667; July 8.
Tuthill Pump Company, assignee: *See*—
Endebak, Peter.
United Aircraft Products, Inc., assignee: *See*—
Clark, Warren H.
United Shoe Machinery Corporation, assignee: *See*—
Johnson, Charles E.
Jorgensen, Bernhardt.
Miller, Homer B.
United States Hoffman Machinery Corporation, assignee: *See*—
Lendle, Carl R.
Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.
Upton, Albert P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,423,534; July 8.
Vanity Fair Mills, Inc., assignee: *See*—
Amidon, Roy C.
Van Wert, S. N., assignee: *See*—
Lawton, Joseph B.
Vesely, Josef, Winchmore Hill, London, England. Assembling the body and butt of automatic firearms. 2,423,740; July 8.
Vogeli, Harry E., Alliance, assignor to The Salem Engineering Company, Salem, Ohio. Material treating mechanism. 2,423,629; July 8.
Vokes, Cecil G., and A. A. Smith, Guildford, assignors to Vokes Limited, Guildford, Surrey, England. Filtering device. 2,423,741; July 8.
Vokes Limited, assignee: *See*—
Vokes, Cecil G., and Smith.
Volkman Furniture Manufacturing Company, assignee: *See*—
Renkes, John D.
Von Soden, Adolph F., Los Angeles, Calif. Ribbon positioning writing machines. 2,423,742; July 8.
Wainwright, Carlyle H., assignor to The Bentley Engineering Company Limited, Leicester, England. Yarn-tension of take-up device, primarily for knitting machines. 2,423,630; July 8.
Walther, George, and E. L. Miller, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Fifth wheel coupling means. 2,423,743; July 8.
War, United States of America, as represented by the Secretary of: *See*—
Chevigny, Paul G.
Grimm, Henry H.
Moore, James R.
Warren, S. D., Company, assignee: *See*—
Goff, Lindsay O.
Waters, Harry F., New York, N. Y. Making lined cartons. 2,423,804; July 8.
Weatherhead Company, The, assignee: *See*—
Balogh, Roy O.
Weissberger, Arnold: *See*—
Salminen, Ilmari F., and Weissberger.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Power plant of the free piston type. 2,423,472; July 8.
Welter, Grover C., Roswell, N. M. Detachable button. 2,423,535; July 8.
Wendt, Walter F., assignor to Mathias Klein & Sons, Chicago, Ill. Compression tool. 2,423,805; July 8.
West, John W., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device for ultra high frequency energy generation. 2,423,444; July 8.
Wester, Charles C., Sr., Washington, D. C. Hook for holding clothesalines or the like. 2,423,536; July 8.
Wheeler, Dock R., Shreveport, La. Fire detecting cable. 2,423,537; July 8.
Whiteford, Alexander W., New York, N. Y. Toe shield. 2,423,538; July 8.
Whitlock, Gary T., Hendersonville, N. C. Toe closing for socks and the like. 2,423,744; July 8.
Wiethorn, Robert N., Cincinnati, Ohio. Belt and buckle. 2,423,668; July 8.
Wilen, Charles H., Brooklyn, N. Y. Swimming tail. 2,423,571; July 8.
Williams, Charles W., assignor to Polaroid Corporation, Cambridge, Mass. Viewing visor. 2,423,539; July 8.
Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Self-balancing potentiometer mechanism. 2,423,540; July 8.
Willson, Charles T., Canaan, Conn. Traction device for vehicle wheels. 2,423,806; July 8.
Willys-Overland Motors, Inc., assignee: *See*—
Schassberger, Norman A.
Wilson, John M.: *See*—
Busse, Francis A., and Wilson.
Wilson, John M., and F. A. Busse, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition controlling apparatus. 2,423,541; July 8.
Winslow, Wiley P., Richmond, Calif. Ship construction. 2,423,670; July 8.
Winslow, William D., Vineland, N. J. Combined tube and tooth brush holder. 2,423,669; July 8.
Wipff, Frank P.: *See*—
Rhea, Henry E., and Wipff.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Apparatus for and method of pulse limitation and amplification. 2,423,671; July 8.
Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Flexible coupling. 2,423,745; July 8.
Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Naphtholsulfonamidobenzaldehydes and acetals thereof. 2,423,572; July 8.
Wright, John, Spondon, near Derby, assignor to British Celanese Limited, London, England. Monoazo dyes. 2,423,542; July 8.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Christensen, Andrew B.
Yendall, Edward F., Kenmore, N. Y., assignor to The Linde Air Products Company. Process and apparatus for separating gas mixtures. 2,423,543; July 8.
Yoder Company, The, assignee: *See*—
Ridder, Joseph U.
Young, David W.: *See*—
Calfee, John D., and Young.
Evans, Hector C., and Young.
Zahm, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Evaporation and concentration of liquids. 2,423,746; July 8.
Zahm, George G., Buffalo, assignor to Hurd Corporation, New York, N. Y. Evaporation and concentration of liquids. 2,423,747; July 8.
Zindrick, Edward J., Chicago, Ill. Wood cutting device. 2,423,807; July 8.
Zucker, Gottlieb F., Chicago, Ill. Chimney ventilator. 2,423,672; July 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Illuminating device. I. B. Polevitzky. Re. 22,896; July 8.

Truck, Fork lift. G. L. Clapp. Re. 22,985; July 8.

LIST OF PLANT INVENTIONS

Rose plant. M. Krowka. 743; July 8.

Tabernaemontana plant. T. A. Adrey. 742; July 8.

LIST OF DESIGN INVENTIONS

Boat. W. S. Dix. 147,036; July 8.
Box, Shoe shine. J. T. Pearson, Jr. 147,063; July 8.
Bracelet. G. J. Lederer. 147,054–6; July 8.
Bracelet. C. T. Parisi. 147,061–2; July 8.
Brooch or similar article. A. Katz. 147,047; July 8.
Brooch or similar article. A. Philippe. 147,066–74; July 8.
Brooch or similar article. A. Philippe. 147,077–80; July 8.
Brush or similar article, Hair. I. O. Witte. 147,097; July 8.
Building. C. T. Rice. 147,085; July 8.
Cabinet, Frozen food display. D. Robertson. 147,086; July 8.
Can opener. E. W. Worley. 147,098; July 8.
Car, Miniature racing. O. Z. Frazier. 147,039; July 8.
Carpet or similar article. G. V. Uihlein. 147,092; July 8.
Carriage or similar article, Baby. L. Gottfried. 147,043; July 8.
Case, Cigarette. M. J. Lewis. 147,057; July 8.
Casing, Hair clipper. F. J. La Mere. 147,050; July 8.
Doll. J. Price and T. Hee. 147,082–3; July 8.
Dress. M. Glickman. 147,042; July 8.
Dress. H. H. Stahl. 147,087; July 8.
Earring. A. Philippe. 147,065–4; July 8.
Earring. A. Philippe. 147,075–6; July 8.
Earring or similar article. A. Katz. 147,048–9; July 8.
Fishing lure. W. L. Hilton. 147,044; July 8.
Flashlight. R. A. Murray. 147,058; July 8.
Handbag. J. Fink. 147,037; July 8.
Holder, Earring. S. C. and S. C. Nissen. 147,059; July 8.
Holder for picture and perfume containers, Combined. J. Joelson. 147,046; July 8.
Knob or similar article, Tap. H. J. Austin. 147,033; July 8.
Lamp or the like, Table. A. E. Frontier. 147,040; July 8.
Lighting fixture, Electric. F. Vorsanger. 147,093; July 8.
Mantle, Fireplace. W. T. Prebis. 147,081; July 8.
Map and clock face, Combined. A. Tellier. 147,091; July 8.
Negligee. V. Giovagnoni. 147,041; July 8.
Package for soap powder or similar commodity. N. H. Whitlock. 147,096; July 8.
Pin. G. J. Lederer. 147,051–3; July 8.
Pin. C. T. Parisi. 147,060; July 8.
Pipe. R. V. Barberian. 147,034; July 8.
Pipe. A. E. Christensen. 147,035; July 8.
Plate, Door. M. S. Holmquist. 147,045; July 8.
Rack, Display. J. O. Reinecke. 147,084; July 8.
Staircase. F. J. Zavada. 147,099–100; July 8.
Trailer, Boat luggage. W. O. Foster. 147,038; July 8.
Tray, Hostess. M. L. Sturm. 147,088–90; July 8.
Tray, Hostess. C. E. Waltman. 147,094; July 8.
Tray, Watch cleaning. R. R. While. 147,095; July 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid resistant alloy. W. B. Sullivan and J. W. Juppenlatz. 2,423,665; July 8.
Acyclic organic compound with an alkylation agent using hydrogen fluoride as catalyst, Alkylation of. J. H. Simons. 2,423,470; July 8.
Acylamino phenols. I. F. Salminen and A. Weissberger. 2,423,730; July 8.
Acylated hydroxy-substituted carboxylic acids, Production of. H. Sokol. 2,423,569; July 8.
Adjustable outlet box support. O. G. Dedge. 2,423,757; July 8.
Adjusting means for soil working implements. F. W. Schiefelbein. 2,423,731; July 8.
Aeroplane and helicopter, Combined. A. Smith. 2,423,625; July 8.
Aircraft with mechanical balancing for flapping, Rotary wing. E. A. Stalker. 2,423,733; July 8.
Air flow control for crankcase ventilation. W. J. Foster. 2,423,592; July 8.
Airscrew. D. Biermann. 2,423,752; July 8.
Alloy: *See*—
  Acid resistant alloy.
Alloy for high-temperature use, Forgeable. R. H. Thielemann. 2,423,738; July 8.
Alpha-methallyl alcohol, Preparing. J. Kamlet. 2,423,599; July 8.
Alpha methyl styrene from a mixture containing cumene, Separating. O. C. Slotterbeck and C. E. Morrell. 2,423,802; July 8.
Ammeter and power meter, High-frequency. H. H. Grimm. 2,423,447; July 8.
Ammonium sulphate, Production of. C. Otto. 2,423,794; July 8.
Analyzer for subterranean fluid reservoirs. W. A. Bruce. 2,423,754; July 8.
Antenna. C. W. Hansell. 2,423,648; July 8.
Antiskid device for chairs. W. H. Rabe. 2,423,659; July 8.
Apparatus for abrading surfaces. B. E. Luboshez. 2,423,715; July 8.
Apparatus for coating flexible webs. L. O. Goff. 2,423,768; July 8.
Apparatus for controlling gun chargers. H. C. Grant, Jr. 2,423,440; July 8.
Apparatus for developing wells. H. E. Lauman. 2,423,653; July 8.
Apparatus for handling concrete blocks. R. M. Gray. 2,423,557; July 8.
Apparatus for handling contact masses. C. H. Lechthaler and R. Lee. 2,423,813; July 8.
Apparatus for knitting scouring cloths D. J. Cosgro. 2,423,484; July 8.
Apparatus for making geophysical surveys under water. J. W. Flude. 2,423,591; July 8.
Apparatus for making soap cakes having desired insignia. L. A. Block. 2,423,576; July 8.
Apparatus for mixing drilling mud. J. I. Sloan. 2,423,801; July 8.
Apparatus for rotatable members, Condition responsive. A. C. Ruge. 2,423,620; July 8.
Archery bow. W. M. Folberth and P. Parmelee. 2,423,765; July 8.
Arm for precision tools, Indicator supporting. A. Beaupre. 2,423,434; July 8.
Articles of compressed and impregnated wood, Making. J. E. Gurvitch. 2,423,647; July 8.
Articulator. A. Shmukler and H. Bronstein. 2,423,522; July 8.
Attenuator for ultra high frequencies. H. R. Meahl. 2,423,461; July 8.
Automatic boom lock. F. Currier. 2,423,584; July 8.
Awl, Self-centering. R. R. Luben and E. C. Ford. 2,423,511; July 8.
Ball-bearing foot for furniture and the like. R. R. Knox. 2,423,711; July 8.
Barrel and extractor, Subcaliber auxiliary. W. Summerbell. 2,423,471; July 8.
Battery charger with reversible feature. L. R. Flippen and F. L. Hennefer. 2,423,646; July 8.
Bearing device, Spherical. S. Collito, Jr. 2,423,684; July 8.
Bed, Folding. W. Hand. 2,423,699; July 8.
Belt abrading machine. J. B. Tavano. 2,423,737; July 8.
Belt and buckle. R. N. Wiethorn. 2,423,668; July 8.
Belting, Corrugated. A. J. Buren. 2,423,579; July 8.
Bib. F. Clark. 2,423,581; July 8.
Bib. G. M. Dunn 2,423,489; July 8.
Bimetal, Manufacture of. J. M. Goulding. 2,423,810; July 8.
Blade and cover blind shutter. M. R. Hutchison, Jr. 2,423,706; July 8.
Block plane. R. P. Lavietes. 2,423,713; July 8.
Body and butt of automatic firearms, Assembling. J. Vesely. 2,423,740; July 8.
Bolometer. B. H. Billings, W. L. Hyde, and E. E. Barr. 2,423,476; July 8.
Book, Bound. J. P. Rose. 2,423,817; July 8.
Bottle cap. P. G. Coleman. 2,423,582; July 8.
Box: *See*—
  Mail box.
Brake mechanism. C. L. Ekserdjian and P. W. Gaenssle. 2,423,694; July 8.
Brush holder. H. E. Priem. 2,423,658; July 8.
Brush mechanism, Dabbing. M. Silva. 2,423,800; July 8.
Building structure. L. A. Falco. 2,423,695; July 8.
Burglar alarm, Electric. G. M. Horvitch. 2,423,649; July 8.
Burglar alarm, Electric. A. F. Miller. 2,423,610; July 8.
Burr removing mechanism. J. U. Ridder. 2,423,468; July 8.
Butadiene, Use of magnesia catalysts in the production of. D. J. Butterbaugh and Le R. U. Spence. 2,423,681; July 8.
Button, Detachable. G. C. Welter. 2,423,535; July 8.
Cabinet: *See*—
  Shower cabinet.
Cable: *See*—
  Fire detecting cable.
Cable tension regulator. W. H. Clark. 2,423,483; July 8.
Cadence suppression system for secrecy communication. A. V. Bedford. 2,423,546; July 8.
Cans, Salvaging metal. T. P. Keogh and H. A. Fink. 2,423,708; July 8.
Cap: *See*—
  Bottle cap.
Cap spinning traveler. E. K. Bauer. 2,423,678; July 8.
Carbohydrates and apparatus therefor, Sterilizing. E. H. Carnarius. 2,423,580; July 8.
Carbonaceous material, Process and apparatus for the cracking of. M. Steinschlaeger. 2,423,527; July 8.
Card index. C. H. Fahlstedt. 2,423,645; July 8.
Carriage for turret gun slot closures, Gun. C. M. Boyd. 2,423,636; July 8.
Cartons, Making lined. H. F. Waters. 2,423,804; July 8.
Cartridge, Film. B. C. Roehrl. 2,423,663; July 8.
Cartridge for moving picture cameras, Film. G. E. Lee. 2,423,562; July 8.
Chair: *See*—
  Reclining chair.
Cigarettes, Making mouthpiece. G. Davidson. 2,423,554; July 8.
Circuit: *See*—
  High-frequency circuit.
  Thermionic gas-filled rectifier circuit.
Circuits, Remote control. J. L. Moncrief. 2,423,464; July 8.
Clamp: *See*—
  Electrical conduit clamp.
  Electrode clamp.
  Power line tapping clamp.
  Trestle clamp.
Coating composition comprising polybutene, An organic solvent and an amine acetate wetting agent. H. C. Evans and D. W. Young. 2,423,761; July 8.
Coin holder. H. Ray. 2,423,467; July 8.
Collar, One-piece. B. Liebowitz. 2,423,510; July 8.
Collet stop, Screw machine. M. D. Caffin. 2,423,551; July 8.
Color television system. A. N. Goldsmith. 2,423,769–70; July 8.
Combined tube and tooth brush holder. W. D. Winslow. 2,423,669; July 8.
Compression tool. W. F. Wendt. 2,423,805; July 8.
Compressor. H. A. Berliner. 2,423,634; July 8.
Compressor pressure control. R. O. Balogh. 2,423,677; July 8.
Computor, Air navigation. B. C. Flitton. 2,423,764; July 8.
Connecter: *See*—
  Electrical connector.
Connector: *See*—
  Electrical connector.
Container and dispenser, Sugar. R. C. Mackey. 2,423,784; July 8.
Container handling apparatus. E. B. Dennie. 2,423,441; July 8.
Control apparatus. L. B. Koontz. 2,423,781; July 8.
Control apparatus. A. P. Upton. 2,423,534; July 8.
Control apparatus, Condition. F. A. Busse and J. M. Wilson. 2,423,478; July 8.

Control device, Engine. G. R. Ericson. 2,423,589; July 8.
Control for power presses and the like, Fluid operated safety. J. Chochol. 2,423,482; July 8.
Control of machine tools and fabricating devices. Automatic. L. E. De Neergaard. 2,423,440; July 8.
Control system, Continuous balance motor. K. Rath. 2,423,617; July 8.
Control system, Electrical. A. B. Christensen. 2,423,683; July 8.
Controller for mobile glow discharge system. H. C. Mettler. 2,423,814; July 8.
Controlling apparatus, Condition. J. M. Wilson and F. A. Busse. 2,423,541; July 8.
Conversion apparatus. J. D. Akerman and J. F. Piccard. 2,423,631; July 8.
Copper fungicide solutions, Preparing. L. Roon. 2,423,619; July 8.
Counter and control device for a game apparatus, Add and subtract. F. A. Poole. 2,423,725; July 8.
Counting and sorting machine, Coin. J. Jorgensen. 2,423,502; July 8.
Coupling: *See*—
  Flexible coupling.
  Shaft coupling.
Coupling. L. E. Ansorge. 2,423,632; July 8.
Coupling for exhaust conduits of internal-combustion engines, Flexible. P. E. Mercier. 2,423,462; July 8.
Coupling means, Fifth wheel. G. Walther and E. L. Miller. 2,423,743; July 8.
Coupling members, Making composite metal. W. H. Barlow. 2,423,432; July 8.
Coupling or joint, Pipe. A. and M. M. Mars. 2,423,655; July 8.
Cover for smoke pipes, Protective. J. H. Messer. 2,423,656; July 8.
Crust breaking apparatus. R. L. Mosena, G. H. Traylor, R. L. Haislip, and A. E. Hall. 2,423,787; July 8.
Crutch attachment. F. H. Blum. 2,423,635; July 8.
Decorative knife handle. D. A. Dally. 2,423,640; July 8.
Depressants for lubricating oils, Pour point. T. G. Murphy and J. Faust. 2,423,789; July 8.
Detergent particles having only slight dust-forming tendencies, Preparation of. R. F. Heald and M. L. Givan. 2,423,450; July 8.
Detergents, Treating sprayed dried organic. S. J. Holuba. 2,423,452; July 8.
Device for dispensing from an inverted milk can. L. Bethke. 2,423,679; July 8.
Dies and the like. J. V. Nelson. 2,423,791; July 8.
Direction finder. H. T. Budenbom. 2,423,437; July 8.
Direction finder, Cathode-ray tube. H. E. Rhea. 2,423,518; July 8.
Direction finder, Reflected wave. H. E. Rhea. 2,423,661; July 8.
Direction finder, Reflected wave. H. E. Rhea and F. P. Wipff. 2,423,519; July 8.
Direction finder system, Pulse. B. Shmurak and G. D. Hulst, Jr. 2,423,523; July 8.
Dispenser: *See*—
  Hairpin dispenser.
  Newspaper dispenser.
Dispensing device with flow restrictor and frangible outlet closure. H. L. Norway. 2,423,792; July 8.
Display form for shoes. J. Fitzpatrick. 2,423,445; July 8.
Drafting and measuring instrument, Universal. W. Morris. 2,423,786; July 8.
Drier and heater. W. E. Drewes. 2,423,587; July 8.
Drum screen. F. Dustan. 2,423,442; July 8.
Dyes, Monoazo. J. Wright. 2,423,542; July 8.
Electric lamp. G. C. Singer. 2,423,525; July 8.
Electric tank water heater. G. P. Dowe. 2,423,488; July 8.
Electric water heater. L. P. Hynes. 2,423,598; July 8.
Electrical conduit clamp. G. A. Tinnerman. 2,423,627; July 8.
Electrical connector. B. A. Bels. 2,423,548; July 8.
Electrode clamp. L. E. Leonard. 2,423,714; July 8.
Electrode holder. T. S. Donnelly. 2,423,758; July 8.
Electronic discharge device for generating ultra-high frequency radiation, High power. C. E. Fay. 2,423,443; July 8.
Electronic discharge device for ultra high frequency energy generation. J. W. West. 2,423,444; July 8.
Engine control system. W. A. Ray. 2,423,728; July 8.
Engine of the rotating abutment type, Rotary internal-combustion. J. Fareso. 2,423,763; July 8.
Equalizer. S. M. McM. Burke. 2,423,550; July 8.
Eyepiece. F. E. Altman. 2,423,676; July 8.
Fabric abrading tester. R. L. Hood. 2,423,704; July 8.
Fabric or gauze of uniformly oxidized cellulose. W. O. Kenyon and C. C. Unruh. 2,423,707; July 8.
Fastener: *See*—
  Pressure cooker cover fastener.
Feeder: *See*—
  Paper feeder.
Fibre article, Molded. M. P. Chaplin. 2,423,756; July 8.
Fid for splicing rope. V. Adrias, II. 2,423,673; July 8.
Filter material and forming same, Calendered. R. A. Behlen. 2,423,547; July 8.
Filtering device. C. G. Vokes and A. A. Smith. 2,423,741; July 8.
Filters, Precoating. C. H. Kollenberg and N. P. Peet. 2,423,780; July 8.
Fire detecting cable. D. R. Wheeler. 2,423,537; July 8.
Fire-foam producing apparatus. A. F. Ratzer. 2,423,618; July 8.
Fish lure. H. G. Allen. 2,423,431; July 8.
Flexible coupling. J. N. Wolfram. 2,423,745; July 8.
Flow regulator. W. Baden. 2,423,633; July 8.
Folding table. A. Taylor. 2,423,529; July 8.
Foot balancer, Sesamoid-cuboid. H. L. Samblanet. 2,423,622; July 8.
Fork, Masticating. R. M. Daboul. 2,423,487; July 8.
4-aryl thiazole (and selenazole)-5-acetic acids and esters and producing the same. E. B. Knott. 2,423,709; July 8.
Fowl suspension apparatus. L. Jasper. 2,423,560; July 8.
Frame for chairs and the like, Side. M. Sabner. 2,423,798; July 8.
Fusion welding with high-frequency starting, Repetitive blanketed electric. E. D. Morris. 2,423,515; July 8.
Garment hanger. R. Lacourse. 2,423,782; July 8.
Gas mixtures, Process and apparatus for separating. E. F. Yendall. 2,423,543; July 8.
Gasket. H. W. Gould. 2,423,771; July 8.
Gear: *See*—
  Vehicle running gear.
Gear lock for aircraft, Retractable landing. S. Johnson. 2,423,501; July 8.
Gears, Lapping. E. R. Gasser. 2,423,593; July 8.
Gel-point indicator. H. I. Davis and D. E. Farwell. 2,423,687; July 8.
Gelatin, Purification of. J. A. H. Hart and E. W. Lee. 2,423,773; July 8.
Grinding machine and the like, Tool. J. V. Nelson. 2,423,790; July 8.
Guanylurea with alkylene oxides, Condensation products of. W. P. Ericks. 2,423,643; July 8.
Guard attachment, Stepladder. G. Brimboeuf. 2,423,477; July 8.
Gun, Fist. S. M. Haight. 2,423,448; July 8.
Gun support. M. Theis. 2,423,531; July 8.
Hairpin dispenser. B. A. Muller-Molnar. 2,423,788; July 8.
Handle: *See*—
  Decorative knife handle.
Hanger: *See*—
  Garment hanger.
  Pipe hanger.
Hay unloading apparatus. M. O. Souza. 2,423,732; July 8.
Headers and tubes, Assembling. E. L. Garfield. 2,423,697; July 8.
Heater: *See*—
  Electric tank water heater.
  Electric water heater.
Heel, Shoe. W. W. Brooks. 2,423,753; July 8.
Helicopter navigation light. E. R. Stewart. 2,423,528; July 8.
High-frequency circuit. G. Reber. 2,423,797; July 8.
Hitch pin holder. A. Shelstad. 2,423,799; July 8.
Holder: *See*—
  Brush holder.
  Coin holder.
  Combined tube and tooth brush holder.
  Electrode holder.
  Hitch pin holder.
  Tie holder.
Holder for brush making machines, Work. C. Jobst. 2,423,499; July 8.
Hook: *See*—
  Mud hook.
Hook for holding clotheslines or the like. C. C. Wester, Sr. 2,423,536; July 8.
Horse, Mechanical. S. Belz. 2,423,474; July 8.
Hydrocarbon conversion. H. O. Folkins. 2,423,493; July 8.
Hydrocarbon oil, Process and apparatus for the catalytic cracking of a. E. F. Chandler. 2,423,637; July 8.
Hydrocarbons, Alkylation of aryl. C. M. Thacker and R. C. Swann. 2,423,530; July 8.
Hydrocarbons and acetone from admixtures by phase separation and azeotropic distillation, Recovery of. J. A. Patterson. 2,423,795; July 8.
Hydrocarbons, Catalytic cracking of petroleum. P. H. W. Ågren. 2,423,674; July 8.
Hydrocarbons in the presence of halogen-containing sensitizers, Cracking of. H. O. Folkins and C. M. Thacker. 2,423,494; July 8.
Hydroplane. L. B. Platt, Jr. 2,423,796; July 8.
Hygroscopic liquid composition and softening paper with said composition. R. Feibelmann. 2,423,556; July 8.
Ice cream and product thereof, Manufacturing. B. Nelson. 2,423,613; July 8.
Ice cream manufacturing process and products thereof. M. Landers. 2,423,600; July 8.
Ignition means for liquid fuel burners. R. W. De Lancey. 2,423,809; July 8.
Index card and printing plate on a carrier, Retaining an. C. J. Hueber. 2,423,705; July 8.
Indicating and controlling device, Resonance. C. K. Gieringer. 2,423,594; July 8.
Indicator: *See*—
  Gel-point indicator.
Insoles for welt shoes. E. I. La Chapelle. 2,423,712; July 8.
Insulator, Electric fence. G. F. Markman. 2,423,785; July 8.
Iodine images, Forming. A. Barnes and H. P. Husek. 2,423,473; July 8.

Isobutylene, Polymerizing. N. M. Elmore. 2,423,760; July 8.
Joint: *See*—
Pipe joint.
Joint for metal tubes. E. C. Booth. 2,423,577; July 8.
Jointing machine. H. B. Miller. 2,423,514; July 8.
Journal structure. R. M. Johnstone. 2,423,778; July 8.
Key. B. Sterner. 2,423,734; July 8.
Knife sharpener, Cloth-cutting machine. M. Steiner. 2,423,570; July 8.
Lamp: *See*—
Electric lamp.
Last. A. B. Rubin and G. A. Faber. 2,423,566; July 8.
Lasting machine. B. Jorgensen. 2,423,454; July 8.
Latexes, Creaming. R. D. Freeman. 2,423,766; July 8.
Lens, Headlight. E. Ryder. 2,423,664; July 8.
Lens mounting. M. N. Fairbank. 2,423,492; July 8.
Lift device, High. E. A. Stalker. 2,423,803; July 8.
Lift of the hydraulic type, Power. F. T. Court. 2,423,485; July 8.
Light: *See*—
Helicopter navigation light.
Light-polarizing images, Forming. E. H. Land and D. P. Cooper, Jr. 2,423,504; July 8.
Lighter. J. S. Sherman. 2,423,567; July 8.
Lighter construction. A. Campos. 2,423,481; July 8.
Lime composition, Soda. M. R. Day. 2,423,688–9; July 8.
Liquid fuel, Method and apparatus for burning. R. W. De Lancey. 2,423,808; July 8.
Liquid separation apparatus, Combined screening and gravity. K. M. Jones. 2,423,651; July 8.
Liquids, Evaporation and concentration of. G. G. Zahm. 2,423,746–7; July 8.
Lock: *See*—
Automatic boom lock.
Looping machine. J. K. McCutchen. 2,423,608; July 8.
Lubricator: *See*—
Railway lubricator.
Lure, Fishing. L. H. Pecher. 2,423,615; July 8.
Machine for making elongated tufts. J. K. McCutchen. 2,423,607; July 8.
Machine or mechanism for generating shapes or profiles for diamonds and the like. F. C. Jearum. 2,423,777; July 8.
Magnetron of the resonator type, Ultra high frequency. E. D. McArthur. 2,423,716; July 8.
Mail box. S. J. Travis. 2,423,532; July 8.
Manifold for four-cycle internal-combustion engines, Exhaust. C. G. Barrett. 2,423,574; July 8.
Manifold for internal-combustion engines. E. C. Magdeburger. 2,423,602; July 8.
Marker, Rule guided point. P. B. Kahn. 2,423,779; July 8.
Material treating mechanism. H. E. Vogell. 2,423,629; July 8.
Measuring, recording, and controlling apparatus. J. A. Caldwell. 2,423,479; July 8.
Mechanism for ejecting completed jackets from mandrels. J. Cutler. 2,423,486; July 8.
Minnow, Artificial. S. J. Mikina. 2,423,717; July 8.
Molded block of activated carbon in a porous casing of fireproofed carbon. C. W. Hart. 2,423,702; July 8.
Motor-compressor unit lubrication. G. Muffly. 2,423,719; July 8.
Motor control system, Electrical follow-up. J. W. Dawson. 2,423,438; July 8.
Motorpump, Submersible. C. J. Blom. 2,423,436; July 8.
Motor vehicle of the endless tread type. R. D. Acton. 2,423,544; July 8.
Motors, Assembling electric. R. L. Benson. 2,423,750; July 8.
Mounting: *See*—
Lens mounting. Optical lens mounting.
Mounting for tear-strip cans, Collar. J. Coyle and W. F. Punte. 2,423,685; July 8.
Mud hook. W. K. Edwards. 2,423,759; July 8.
Multiple-stage froth flotation. L. H. Logue. 2,423,456; July 8.
Naphtholsulfonamidobenzaldehydes and acetals thereof. D. W. Woodward. 2,423,572; July 8.
Navigational instrument, Projection. R. N. Meyer. 2,423,513; July 8.
Network, Resistance. J. R. Moore. 2,423,463; July 8.
Newspaper dispenser. J. Sabaitis. 2,423,621; July 8.
Nippers of the pull operated type, Pruning. T. L. Page. 2,423,723; July 8.
Nozzle, Foam. G. F. Hurst. 2,423,650; July 8.
Oil and for producing soap, Refining. B. Clayton. 2,423,638; July 8.
Oil determination. J. J. Heigl. 2,423,774; July 8.
Olefin, Isomerization of. M. J. Mulligan and P. L. Cramer. 2,423,612; July 8.
1,3-diols from olefins and aldehydes, Making. S. B. Lippincott. 2,423,783; July 8.
Optical lens mounting. M. N. Fairbank. 2,423,491; July 8.
Oscillator, Bridge stabilized. V. D. Landon. 2,423,505; July 8.
Panel for motor cars and other vehicles, Instrument. F. J. Hurn. 2,423,597; July 8.
Paper feeder. M. E. Morris. 2,423,563; July 8.
Paper product, Coated. C. D. Ender. 2,423,555; July 8.
Parasiticidal mixtures, Preparation of. G. E. Lynn and B. J. Thiegs. 2,423,457; July 8.
Patch pocket, Producing mock. I. J. Herman and A. D. Davis. 2,423,558; July 8.
Photographic elements composed of orientable vinyl fluoride polymers. P. R. Austin. 2,423,749; July 8.
Photographic elements containing polyamide dye intermediate layers. D. M. McQueen. 2,423,460; July 8.
Photographic elements, Multilayer. O. W. Murray. 2,423,485; July 8.
Photographic emulsions, Sensitized. E. B. Knott. 2,423,710; July 8.
Photographic emulsions sensitized by polyalkylene glycols, Silver halide. R. K. Blake, W. A. Stanton, and F. Schulze. 2,423,549; July 8.
Pickup device, Phonograph. B. Roberts. 2,423,662; July 8.
Pipe hanger. C. O. Larson. 2,423,455; July 8.
Pipe joint. S. J. Everett. 2,423,762; July 8.
Planetary piston pump. J. B. Lawton. 2,423,507; July 8.
Plating, Indium. C. F. Smart. 2,423,624; July 8.
Plug: *See*—
Safety fuse outlet plug.
Polygonal generating tool. F. J. Fink. 2,423,696; July 8.
Polymers of heat polymerized drying oil, Separating. I. M. Bernstein. 2,423,751; July 8.
Positioning means for writing machines, Ribbon. A. F. von Soden. 2,423,742; July 8.
Pot and making same, Plant propagating. F. G. Paxton. 2,423,724; July 8.
Potentiometer mechanism, Self-balancing. W. P. Wills. 2,423,540; July 8.
Power line tapping clamp. C. E. Reynolds. 2,423,660; July 8.
Power plant of the free piston type. R. J. Welsh. 2,423,472; July 8.
Pressure cooker cover fastener. J. L. Hvale. 2,423,559; July 8.
Printing from a composite hectographic form. W. S. Cochran. 2,423,553; July 8.
Products having recurring arylethylene units with termini from a saturated halogenated alkane, Production of. J. Harmon. 2,423,497; July 8.
Projectile. J. V. Howe. 2,423,453; July 8.
Propeller blade. G. W. Hardy. 2,423,700; July 8.
Pulse limitation and amplification, Apparatus for and method of. I. Wolff. 2,423,671; July 8.
Pump: *See*—
Planetary piston pump. Variable delivery vane pump.
Rotary pump.
Pump. G. W. Hardy. 2,423,701; July 8.
Pump and air separator unit. W. H. De Lancey. 2,423,439; July 8.
Racking mechanism, Thread guide. R. C. Amidon. 2,423,433; July 8.
Radio control apparatus. H. F. Elliott. 2,423,588; July 8.
Railway lubricator. J. J. Hennessy. 2,423,775; July 8.
Rake. H. R. Haase. 2,423,772; July 8.
Range finder. J. Evans. 2,423,644; July 8.
Range finder, Stadiametric. C. A. Morrison. 2,423,718; July 8.
Receiver for spent bobbins, Adjustable. R. G. Turner. 2,423,667; July 8.
Reclining chair. J. D. Renkes. 2,423,816; July 8.
Recording instrument, Multiple. J. A. Caldwell. 2,423,480; July 8.
Reflectometer for waveguide transmission lines. C. G. Montheimer and N. I. Korman. 2,423,526; July 8.
Regulator: *See*—
Cable tension regulator. Flow regulator.
Resin compositions, Polyvinyl acetal. E. A. Rodman. 2,423,565; July 8.
Resinous surfaces on organic plastics, and products thereof, Forming hard. D. P. Cooper, Jr. 2,423,583; July 8.
Return mechanism for typewriters, Carriage. H. W. Decker. 2,423,586; July 8.
Reversal responsive switch. J. Eaton. 2,423,693; July 8.
Rheostat, Bellows operated. L. H. Middleton and E. A. Kern. 2,423,609; July 8
Rheostat, Float operated. W. McCandless. 2,423,603; July 8.
Rotary pump. W. Czarnecki. 2,423,639; July 8.
Rubber to metal by adhesive polymer, Bonding. J. D. Calfee and D. W. Young. 2,423,755; July 8.
Safety device for valve gear of expansible chamber motors. J. Naab and R. Ostwald. 2,423,516; July 8.
Safety fuse outlet plug. C. Mantilla and J. T. Graffin. 2,423,512; July 8.
Screen: *See*—
Drum screen.
Screens in cathode-ray tubes, Manufacturing. C. S. Szegho. 2,423,626; July 8.
Screw for brake bands, Stabilizers. R. R. Beezley. 2,423,575; July 8.
Scribing machine, Gang. L. L. Pierce. 2,423,564; July 8.
Seal, Diaphragm shaft. P. Endebak. 2,423,642; July 8.
Seal for film packs, Light-excluding. T. McG. Aiken. 2,423,573; July 8.

Selective apparatus, Frequency. W. P. Mason. 2,423,459; July 8.
Separator having a collecting pipe and a stratification pipe therebelow, Oil and water. W. L. Olivo and J. B. Terrell. 2,423,793; July 8.
Shaft coupling. G. Slowig. 2,423,568; July 8.
Shaver, Dry. E. C. Hall. 2,423,595; July 8.
Shear for frangible materials. W. L. MacArthur. 2,423,601; July 8.
Sheet comprising a molecularly oriented polyvinyl alcohol layer and manufacture, Composite plastic. E. H. Land, J. Mahler, and W. H. Ryan. 2,423,503; July 8.
Sheet metal structure. J. B. Castle. 2,423,682; July 8.
Shield, Toe. A. W. Whiteford. 2,423,538; July 8.
Ship construction. W. P. Winslow. 2,423,670; July 8.
Shock strut. C. E. Tack. 2,423,736; July 8.
Shoulder pad construction. E. H. Hull. 2,423,498; July 8.
Shower cabinet. S. E. Nilson. 2,423,722; July 8.
Siliceous contact material and manufacture. A. B. Cummins. 2,423,686; July 8.
Skirt. N. Tennens. 2,423,666; July 8.
Soap cake having a desired insignia, Making. L. A. Block. 2,423,435; July 8.
Soap particles having only slight dust-forming tendencies, Preparation of. R. F. Heald and M. L. Givan. 2,423,449; July 8.
Soap product and making same. S. J. Holuba. 2,423,451; July 8.
Soaps, Copper hydroxy. A. Minich. 2,423,611; July 8.
Spinning guide, Bucket. S. C. Nelson. 2,423,721; July 8.
Splint. C. Greppi. 2,423,496; July 8.
Splitting machine. C. E. Johnson. 2,423,500; July 8.
Spraying method, Metal. R. Erhardt. 2,423,490; July 8.
Spring wheel. C. E. Dickerson. 2,423,690; July 8.
Stacking device. C. H. Domville, Jr., and E. E. Gray. 2,423,691; July 8.
Starter for free piston motor compressors. P. Müllejans and F. Neugebauer. 2,423,720; July 8.
Steamer and stretcher, Garment sleeve. C. R. Lendle. 2,423,509; July 8.
Strip working apparatus. R. L. Hallman. 2,423,698; July 8.
Substances in a vacuum, Vaporization of. R. Rühle. 2,423,729; July 8.
Sulphates, Normal secondary nonadecyl. E. E. Dreger and J. Ross. 2,423,692; July 8.
Support: *See*—
Adjustable outlet box support. Gun support.
Surgical dressing, Internal. C. W. Bice and M. M. MacMasters. 2,423,475; July 8.
Swimming tail. C. H. Wilen. 2,423,571; July 8.
Switch: *See*—
Reversal responsive switch.
Switching device, Wave guide. G. W. Leck. 2,423,508; July 8.
Table: *See*—
Folding table.
Table having folding supports, Ironing. C. Tonn. 2,423,628; July 8.
Tag. R. C. Schmutzler. 2,423,818; July 8.
Termination for high-tension electric cables. D. T. Hollingsworth. 2,423,596; July 8.
Terpene alcohols, Esterification of. M. E. Aeschbach. 2,423,545; July 8.
Testing apparatus, Magnetic. J. E. Clarke. 2,423,552; July 8.
Thermionic gas-filled rectifier circuit. H. T. Ramsay. 2,423,815; July 8.
Thiol esters, Preparation of. E. K. Ellingboe. 2,423,641; July 8.
3-keto-20,21-dihydroxy saturated pregnane compounds. T. Reichstein. 2,423,517; July 8.
Throttling device for two opposed electrically controlled forces. J. R. Rafter. 2,423,727; July 8.
Tie and collar stay. F. J. Humpola. 2,423,776; July 8.
Tie holder. M. Kaden. 2,423,561; July 8.
Time division multiplex. E. Peterson. 2,423,466; July 8.
Time outlet. E. Bourquin. 2,423,680; July 8.
Tire removing apparatus. M. B. Kelley. 2,423,652; July 8.
Toe closing for socks and the like. G. T. Whitlock. 2,423,744; July 8.
Tone-control agents for silver halide emulsions. D. J. Fry and J. D. Brooks. 2,423,767; July 8.
Tool: *See*—
Compression tool. Polygonal generating tool.
Tools and flexible shaft for removing dents from tubing, Expanding. W. Martin. 2,423,458; July 8.
Top for vehicles, Collapsible. E. Acheson. 2,423,748; July 8.
Toy. J. B. Mutch. 2,423,657; July 8.
Traction device for vehicle wheels. C. T. Willson. 2,423,806; July 8.
Translation system, Self-balancing. K. Rath. 2,423,616; July 8.
Trestle clamp. H. D. Strand. 2,423,735; July 8.
Trousers stretcher. L. L. Selby. 2,423,521; July 8.
Truck, Lift. J. R. Henderson. 2,423,703; July 8.
Tufting machine. J. K. McCutchen. 2,423,605–6; July 8.
Union for pipe ends, Quick breaking. J. Prata. 2,423,726; July 8.
Vacuum tube with coupling-feed-back-electrode arrangement. P. G. Chevigny. 2,423,819; July 8.
Valve control for fluid coupling, Thermostatic outlet. L. Karl and F. Kugel. 2,423,812; July 8.
Variable delivery vane pump. A. F. Leis. 2,423,654; July 8.
Vehicle for children, Wheeled. W. B. Fageol. 2,423,590; July 8.
Vehicle running gear. W. E. Daugherty. 2,423,585; July 8.
Ventilator, Chimney. G. F. Zucker. 2,423,672; July 8.
Ventilator for buildings. G. Tillman. 2,423,739; July 8.
Vibrator. F. W. Side. 2,423,524; July 8.
Vibrator power supply. J. J. O'Callaghan and R. W. Saville. 2,423,614; July 8.
Vinylidene compounds in the presence of N-disubstituted dithiocarbamic esters, Photopolymerization of. L. M. Richards. 2,423,520; July 8.
Visor, Viewing. C. W. Williams. 2,423,539; July 8.
Water-heating apparatus. T. A. Buckles. 2,423,578; July 8.
Wavemeter for centimeters waves. V. D. Landon. 2,423,506; July 8.
Welding assembly. J. M. Goulding. 2,423,811; July 8.
Wheel: *See*—
Spring wheel.
Windshield and mounting. N. A. Schassberger. 2,423,623; July 8.
Winding appliance. D. E. Turner. 2,423,533; July 8.
Window, Safety reversible. L. I. Alperin. 2,423,675; July 8.
Window sash retaining device. S. Galuska. 2,423,495; July 8.
Wiper and valve for register box windows. C. M. McCord. 2,423,604; July 8.
Woodcutting device. E. J. Zindrick. 2,423,807; July 8.
Wood pulp product and producing same, Chemically prepared. P. H. Schlosser and K. R. Gray. 2,423,469; July 8.
Yarn-tension of take-up device, primarily for knitting machines. C. H. Wainwright. 2,423,630; July 8.

CLASSIFICATION OF PATENTS

ISSUED JULY 8, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 42: 2,423,550
49: 2,423,489
2,423,581
131: 2,423,510
132: 2,423,776
153: 2,423,561
221: 2,423,666
239: 2,423,744
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15— 146: 2,423,658
16— 26: 2,423,711
17— 44.1: 2,423,560
19— 124: 2,423,800
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1947

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
W. AVERELL HARRIMAN, *Secretary*
U. S. Patent Office
CASPER W. OOMS, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Reissues	4	No. 22,897 to No.	22,900, inclusive
Patents	392	No. 2,423,820 to No.	2,424,211, inclusive
Designs	70	No. 147,101 to No.	147,170, inclusive
Total	786		

Patents expiring: Patent Numbers 1,770,373 to 1,770,894, inclusive, issued July 15, 1930, expire July 15, 1947

Condition of Applications Under Examination at Close of Business June 30, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 148,028; Trade-Mark Division, 13,143. Oldest new case, August 31, 1945; oldest amended, August 22, 1945.)

(The dates given are 1946 except where * indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 18	Jan. 11	2984
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 7	3586
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Feb. 23	Feb. 5	1666
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Jan. 8	Jan. 18	3139
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Aug. 31	*Aug. 22	3790
6. SURLE, H., Carbon Chemistry (part)	June 15	May 27	1979
7. HANLIN, GEORGE, Optics, Photography	July 13	July 8	2009
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 8	*Nov. 19	3923
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Nov. 23	*Nov. 19	2157
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Mar. 8	Mar. 11	1346
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 23	Sept. 26	830
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Jan. 15	Feb. 19	2718
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Oct. 25	*Oct. 18	2296
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 11	May 9	1339
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 15	*Oct. 2	2049
16. LOVEWELL, N. N., Telegraphy; Telephony	May 9	May 11	1356
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 29	Feb. 2	1400
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Oct. 29	*Nov. 1	1642
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 9	Apr. 10	1736
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	*Oct. 31	*Nov. 26	2295
21. THOMPSON, T. J., Textiles	Aug. 12	Sept. 26	905
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Jan. 2	*Dec. 29	1838
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Sept. 14	1133
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 8	Nov. 4	1696
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 16	Jan. 12	1807
26. YOUNG, R. R., Electricity—Generation and Motive Power	*Dec. 11	*Dec. 12	2208
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 8	Feb. 6	2570
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Jan. 15	*Nov. 26	1232
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 6	Feb. 18	2711
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 4	Feb. 28	2570
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Aug. 5	Aug. 5	1056
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Jan. 25	Jan. 29	2493
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 16	*Nov. 19	3318
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 7	Jan. 25	1411
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Mar. 7	2439
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 26	*Nov. 26	1907
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 21	Mar. 29	1623
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions; Rubber; Ornamentation	May 14	June 25	1369
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 11	*Oct. 10	2722
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 1	Feb. 28	2843
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	May 9	732
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	July 16	Aug. 2	1064
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	Aug. 6	1045
44. HARVEY, L. P., Refrigeration; Preserving	*Nov. 26	*Oct. 8	1400
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 27	*Dec. 28	2419
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Mar. 7	Mar. 18	1894
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 9	Apr. 6	3057
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Nov. 26	*Nov. 27	1860
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 23	Mar. 6	1532
50. LEVIN, SAMUEL, Synthetic Resins	May 9	May 9	2615
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 9	Feb. 13	2065
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Mar. 11	Apr. 3	3529
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	*Dec. 17	*Dec. 21	4027
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Mar. 29	Mar. 18	2165
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	*Dec. 1	*Dec. 7	2022
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making: Acetylene; Gas Mixing	May 29	June 4	1370
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Nov. 24	Jan. 5	3273
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Mar. 30	May 17	1319
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Nov. 16	*Nov. 2	2180
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	May 1	2066
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 19	2891
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Nov. 9	*Dec. 29	1974
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Mar. 16	Jan. 11	2167
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Sept. 3	Sept. 11	1686
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Nov. 8	*Nov. 13	2251
66. LISANN, I., Geometrical Instruments	*Oct. 1	*Oct. 2	2249
Trade-Marks: MERCHANT, J. H	Oct. 1	Nov. 23	13143
Designs: BREHM, G. L., (Acting)	Mar. 20	*Jan. 4	9105

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

VICK CHEMICAL COMPANY

v.

NUTREX CO., INC.

No. 5,256. Decided February 11, 1947

[159 F.(2d) 773; 72 USPQ 506]

TRADE-MARKS—OPPOSITION—CONFUSING SIMILARITY.

Though "Neutrex" "is for a vitamin B complex preparation and "Neutrox" for a dentifrice and mouth wash" *Held* that confusion would be likely to result from the concurrent use of the two marks on the respective goods, since producers of merchandise of the character here involved frequently produce many different kinds of articles and sell them under a single trade-mark, the goods are of such character that purchasers ordinarily would give little consideration to their origin, and they are purchased by the same class of customers and sold from the same shelves and over the same counters, citing *McKesson & Robbins, Inc.* v. *First Texas Chemical Mfg. Co.*, 159 F.(2d) 770; 72 USPQ 494.

APPEAL from the Patent Office. Reversed.

James F. Hoge, L. B. Stoughton and *E. F. Wenderoth* for Vick Chemical Co.

W. Cameron Burton and *Thomas L. Mead, Jr.* for Nutrex Co., Inc.

BLAND, *J.*:

Appellee, Nutrex Co., Inc., filed application in the United States Patent Office for the registration of its trade-mark "NUTREX" as applied to "a preparation containing vitamin B complex as found concentrated in brewer's yeast extract."

Appellant, Vick Chemical Company, filed opposition to the registration, based upon its ownership of its registered mark "NEUTROX" as applied to "dentifrice and mouth wash."

The Acting Examiner of Interferences held that the marks were confusingly similar, pointing out that the only difference was the substitution of the letter "e" for the letter "o" in the last syllable of the marks. He also held that the goods were of the same descriptive properties and that confusion would be likely to result from the concurrent use of the marks on the respective goods. He sustained the opposition and held that the applicant was not entitled to the registration sought.

Upon appeal to the Commissioner of Patents, he, through First Assistant Commissioner Leslie Frazer, reversed the decision of the Examiner and held that while the marks were quite similar both in appearance and in sound he regarded the goods as possessing such different essential characteristics and being used for such "widely unrelated purposes" that he did not believe confusion could result from their concurrent use on the respective goods and that the goods were not of the same descriptive properties. The opposition, therefore, was dismissed. From the decision of the Commissioner (65 USPQ 521) appellant has here appealed.

In the case of *McKesson & Robbins, Incorporated* v. *First Texas Chemical Manufacturing Co.*, appeal No. 5234, decided concurrently herewith, we have discussed at some length the question of the likelihood of confusion arising from identical or similar trade-marks when used upon medicinals and pharmaceuticals which are ordinarily sold in drug stores, and it will be unnecessary for us to unduly extend this opinion by reiterating here what we have said there.

We are of the opinion that the Examiner was right in his conclusion.

The record shows that while the opposer's dentifrice and mouth wash "may be used as a regular routine daily dentifrice" it has a therapeutic value in that it contains sodium perborate and is recommended as being curative of spirochete infection, which is Vincent's disease or "trench mouth."

As in the *McKesson & Robbins'* case, supra, to which we have referred, we are of the opinion that confusion would be likely to result from the concurrent use of the two marks upon the respective goods. It is well-known that producers of merchandise of the character here involved frequently produce many different kinds of articles and sell them under a single trade-mark. The goods are of such character that purchasers ordinarily would give little consideration to their origin. The goods here involved are purchased by the same class of customers and are sold from the same shelves and over the same counters.

We think the opposition should have been sustained. The decision of the Commissioner is reversed.

Reversed.

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U. S. Court of Customs and Patent Appeals

POCAHONTAS OPERATORS ASSOCIATION

v.

CARTER COAL COMPANY

Nos. 5,244, 5,245, 5,246, and 5,247. Decided February 11, 1947

[159 F.(2d) —; 73 USPQ 51]

TRADE-MARKS—OPPOSITION—WHO MAY OPPOSE—SEC. 6 OF THE TRADE-MARK ACT OF FEBRUARY 20, 1905 CONSTRUED.

Where it appears from the record that appellant (opposer) is an informal, unincorporated, non-profit association of coal producers; that there is no contractural relationship existing between appellant and its members, except that the association acts as a collective bargaining agency and makes wage contracts for its members; that appellant does not mine or sell coal and does not have any control over any trade-marks, *Held* that, it, as an association has not established that it would be damaged by the registration of appellee's trade-marks within the purview of Sec. 6 of the Trade-mark Act of Feb. 20, 1905.

SAME—SAME—SAME—SAME.

Record reviewed and *Held* that the tribunals of the Patent Office were right in holding that appellant has no legal authority to oppose, either on its own behalf or on behalf of its members, appellee's application for the registration of its trade-marks.

SAME—OPPOSITION BY PARTY WITHOUT LEGAL AUTHORITY—NO JURISDICTION TO CONSIDER EX PARTE HOLDING.

Where, after considering the evidence of record, the tribunals of the Patent Office considered ex parte that appellee was entitled to the registration of its trade-marks, and where appellant has no authority to oppose appellee's applications for registration, either on its own behalf or on behalf of its members, *Held* that we have no authority to consider the ex parte decision of the Commissioner of Patents.

APPEAL from the Patent Office. Affirmed.

Charles R. Allen for Pocahontas Operators Association.

Herbert J. Jacobi and *Leslie D. Taggart* (*E. F. Wenderoth* of counsel) for Carter Coal Co.

HATFIELD, *J.*:

These are appeals in trade-mark opposition proceedings from the decision of the Commissioner of Patents, 65 USPQ 430, affirming the decisions of the Examiner of Interferences dismissing appellant's notices of opposition and holding that appellee was entitled to the registration of its four trade-marks comprising essentially the term "Olga" and the words "America's Largest-Selling Pocahontas" for use on so-called "Pocahontas coal."

Each of appellee's applications for registration of its trade-marks was filed on September 1, 1942.

In appeal No. 5244, opposition No. 22,364, appellee alleged in its application for registration that it had used the trade-mark comprising the words "OLGA America's Largest-Selling Pocahontas" on its coal since August 4, 1942.

In appeal No. 5245, opposition No. 22,365, appellee alleged in its application that it had used the trade-mark comprising the term "OLGA" in an inner circle and the words "America's Largest-Selling Pocahontas Coal" in an outer circle on its coal since August 5, 1942.

In appeal No. 5246, opposition No. 22,366, appellee alleged in its application that it had used the trade-mark comprising the term "OLGA" in an inner circle, together with the words "America's Largest-Selling Pocahontas" in an outer circle on its coal since August 5, 1942.

In appeal No. 5247, opposition No. 22,367, appellee alleged in its application that it had used the trade-mark comprising the term "OLGA COAL" in an inner circle, and the words "America's Largest-Selling Pocahontas" in an outer circle on its coal since August 4, 1942.

In each of appellee's applications, all of the words in its trade-marks except the term "Olga" were disclaimed apart from the mark as shown.

Appellant filed a notice of opposition to each of appellee's applications. It was alleged in appellant's notices of opposition that it was a voluntary association located in the city of Bluefield, county of Mercer, State of West Virginia; "That the opposer, which term includes its members and its predecessors in business, has for many years last past, been engaged in the coal business as producers, dealers and merchants and in the mining, sale and distribution of coal, which goods are of the same descriptive properties as the coal of Carter Coal Company, the applicant"; that prior to August 4, 1942, it had used in a circular design, a pictorial representation of a girl and the name "Pocahontas" and has continuously since used that mark in connection with the selling and distribution of Pocahontas coal; that it had used long prior to appellee's first date of alleged use of its trade-marks, such names as "O. P.," "Pocahontas Coal," "Genuine Pocahontas," "Original Pocahontas America's Favorite Fuel," and "Original Pocahontas America's Favorite Household Fuel" to identify its coal; that by reason of extensive advertising, selling and distribution of its coal under the name "Pocahontas," its mark has become widely and favorably known to the trade and to the purchasing public throughout the United States as the property of opposer; that the term "Pocahontas" in appellee's marks comprises the essential feature of the opposer's name and that each of appellee's marks is deceptively similar to opposer's name and its marks; that the use by appellee of its marks is likely to cause confusion in trade and deceive purchasers; that that portion of appellee's marks "America's Largest-Selling Pocahontas" "is false and misleading and misdescriptive as applied to applicant's coal and its distribution"; that appellee is not entitled to the exclusive use of its alleged marks including the notation "America's Largest-Selling Pocahontas"; and that the opposer believes it will be damaged by the registration of appellee's marks.

In its answers to appellant's notices of opposition, appellee alleged that neither appellant nor its predecessors in business had ever been engaged in the coal business or in mining, selling or distribution of coal, as alleged in the notices of opposition; that the term "Pocahontas" "is a geographical or generic term and that neither the opposer, nor anyone else, has or could possess exclusive ownership of said term for trade-mark purposes"; that appellee is the sole and exclusive owner of the trade-marks set forth in its applications and that it is entitled to the registration of each of its trade-marks; that the allegations in appellant's notices of opposition that it had used the trade-marks therein referred to on coal, were false, deceptive and misleading; and that appellant would not be damaged by registration of appellee's marks.

Considerable evidence was introduced by each of the parties.

On the record presented, the Examiner of Interferences and, on appeal, the Commissioner of Patents held that appellant is merely an informal, unincorporated, non-profit association of coal producers; that the association has no constitution, charter, or by-laws; that it keeps no regular records and has no regular meetings; that it operates as a collective bargaining agent in making wage contracts for those coal producing companies which are members of the association; that it acts as an advertising agent for those members and employs attorneys for the purpose of carrying on certain litigation in which the several members of the association are themselves parties; that appellant does not produce or sell coal, nor does it exercise any control over the coal producers which it claims to represent; that it has failed to establish that it would be damaged by the registration of appellee's marks; and that it is not entitled to oppose the registration of appellee's marks under the provisions of section 6 of the Trade-Mark Act of February 20, 1905, and, accordingly, dismissed the notices of opposition.

Each of the tribunals of the Patent Office considered, ex parte, the right of appellee to the registration of its trade-marks, and each held, after considering the evidence of record, that appellee's marks were not misrepresentative of its goods and that it was entitled to the registration of its marks.

Owing to the fact that the issues in the four appeals were substantially the same, and as the evidence submitted by the parties was contained in a consolidated record, the Commissioner of Patents disposed of the issues presented in a single decision. Accordingly, the four appeals to this court will be disposed of in one opinion.

It appears from the record that appellant is an association which has existed for more than 40 years; that the witness W. E. E. Koepler has been secretary of the appellant for more than 25 years; that appellant is an informal, unincorporated, non-profit association of coal producers located in what is known as the Pocahontas coal field which, according to the record, includes portions of McDowell, Mercer, and Wyoming counties in West Virginia, and Tazewell County, Virginia; that there are approximately 62 coal mines in the Pocahontas field; that many, if not all, of those companies use the term "Pocahontas" in advertising the coal mined by them; that among the members of appellant association are the Algoma Coal and Coke Company, of Algoma, W. Va.; the Pocahontas Corporation, of Pocahontas, Va.; Pocahontas Fuel Company, Incorporated, of Pocahontas, Va., and New York City, N. Y.; and Pulaski Iron Company, of Pocahontas, Va.; that according to the witness Koepler—

> The function of a trade association is generally to do for the members the things that are of common interest and that can be done more economically and effectively than each operator could do for himself individually. Those activities cover the full range of activities of each of the companies, beginning with all matters pertaining to the production of coal; labor matters; a great many mechanical matters pertaining to mining and the preparation of coal; the distribution of coal by rail, truck, water; the promotion of the sale of the coal and the protection of the trade name, so as to conserve for the companies the business that would be otherwise lost to infringers, others who would impose on the reputation of the coal.

The witness Koepler further stated that as an executive officer of the association he manages appellant's affairs, engages attorneys and other representatives of the association for various activities, and performs such other services as may be approved by the executive committee of the association, which is composed of a president, a vice-president, a treasurer, and three other members; that the only contractual relationship existing between the members and the association is that "The association acts as a collective bargaining agency for these companies and makes a wage contract for its members"; that members of the association contribute to the financing of the association on a voluntary basis and the amount contributed is based upon the production of the member during the year preceding its election to membership; and that if a member fails to contribute to the association, it ceases to be a member.

It further appears from the record that appellant is not actually engaged in producing or selling coal and, accordingly, does not use a trade-mark on coal; and that, as stated by the witness Koepler—

> The association derives no profit to itself from any of its activities, operating in the interests of the operators of the field—*members as well as non-members, but particularly the members.* We operate at cost in the case of such printed matter as we provide; we furnish that either at the expense of the association or at cost of printing. We derive no profit from anything we do—being employed for the purpose of serving, rather than for the purpose of conducting a business. [Italics ours.]

It further appears from the record that one of the members of appellant, the Pocahontas Fuel Company, Incorporated, is the owner of two trade-mark registrations; one, "ORIGINAL POCAHONTAS," registration No. 232,348, registered September 6, 1927, on an application filed October 15, 1926, and the other, "America's Favorite Household Fuel," registration No. 336,773, registered July 14, 1936, on an application filed February 28, 1936; that both of those registrations are used by the Pocahontas Fuel Company, Incorporated, on Pocahontas coal produced in the Pocahontas district; that that company is one of the largest producers of Pocahontas coal; and that it has also used in its advertising, together with the trade-mark "ORIGINAL POCAHONTAS" the letters "O. P." and the slogans "America's Favorite Household Fuel," "World's Most Efficient Power Fuel" and "World's Largest Producers of Smokeless Coal."

There is also evidence of record tending to establish that the Pocahontas Fuel Company, Incorporated, is the largest producer and seller of Poca-

hontas coal in the United States. (It may be stated at this point that appellee has introduced considerable evidence for the purpose of establishing that it is the largest producer and seller in the United States of Pocahontas coal."

For reasons which are hereinafter stated, we find it unnecessary and, in fact, improper, to consider the evidence with regard to that issue.

One of the issues presented to the tribunals of the Patent Office, that is, that appellee's trade-marks, particularly the term "Pocahontas" contained therein, is deceptively similar to and comprises the essential feature of appellant's name, was decided adversely to appellant by the tribunals of the Patent Office and that issue is not raised in this court by the reasons of appeal.

It is contended by counsel for appellant that appellant is a proper party and has a right under the law to oppose the registration by appellee of its trade-marks. In support of that argument, counsel for appellant states that the notices of opposition were signed and sworn to by the secretary of appellant, and as each of the notices of opposition contains the allegation that the term "opposer" contained therein includes its members, and as appellant could not function without its members, appellant has the right under section 6 of the Trade-Mark Act of February 20, 1905, U. S. C., Title 15, sec. 86, to represent not only itself but also each of the members of the association. Section 6, supra, so far as pertinent, reads:

> Any person who believes he would be damaged by the registration of a mark may oppose the same by filing notice of opposition, stating the grounds therefor, in the Patent Office within thirty days after the publication of the mark sought to be registered, which said notice of opposition shall be verified by the person filing the same before one of the officers mentioned in section two of this act. An opposition may be filed by a duly authorized attorney, but such opposition shall be null and void unless verified by the opposer within a reasonable time after such filing.

Our attention is also called to section 29 of that act, U. S. C., Title 15, sec. 108, where it is stated, among other things:

> The terms "person" and "owner," and any other word or term used to designate the applicant or other entitled to a benefit or privilege or rendered liable under the provisions of this act, include a firm, corporation, or association as well as a natural person.

Counsel for appellant also relies upon the decisions in the following cases in support of his contention: *Denver Milk Bottle, Case & Can Exchange, Inc.* v. *McKinzie*, 287 Pac. 868; *International News Service* v. *The Associated Press*, 248 U. S. 215; *Illuminating Engineering Society* v. *Seelig Specialties Co.*, 42 USPQ 282; *Sporting Arms and Ammunition Manufacturers' Institute* v. *Routledge Mfg. Co.*, 49 USPQ 400; *Trustees for Arch Preserver Shoe Patents* v. *Brockton Shoe Manufacturing Company, Inc.*, 19 T.-M. Rep. 66; *United Mine Workers of America et al.* v. *Coronado Coal Co. et al.*, 259 U. S. 344; *International Allied Printing Trade Ass'n. et al.* v. *The Master Printers Union of New Jersey*, 46 USPQ 464; *Barrett* v. *The Irish Industrial Development Association*, 1913 C. D. 470, 41 App. D. C. 244; *Colonial Williamsburg, Incorporated* v. *Tomlinson of High Point*, 40 USPQ 563.

In the case of *Denver Milk Bottle, Case & Can Exchange, Inc.* v. *McKinzie*, supra, decided by the Supreme Court of Colorado, appellant was a corporation incorporated by those engaged in bottling milk and cream for sale. It appears from the opinion in that case that there was an agreement by the corporation and its members that the purpose of the corporation was to collect, serve, and retrieve lost and unlawfully appropriated milk bottles, milk cans and milk cases belonging to the members, and that the purpose of the agreement was to give to the corporation "full and ample power and authority in the premises"; that under the agreement, the corporation not only had the right and authority, but it was its duty to carry out the terms of the agreement hereinbefore stated; and that the corporation was further authorized to institute in its own name such actions as might be deemed necessary to carry out the purpose of the agreement. The court there held that the corporation had authority to recover milk bottles which belong to some of the members of the association and which were unlawfully in the possession of a person who was not a member of the corporation.

In the case of *International News Service* v. *The Associated Press*, supra, it was held that the Associated Press, which was incorporated under the Membership Corporations Law of the State of New York, and whose members were individuals who either owned or represented approximately 950 daily newspapers published in the United States, and which was organized for the purpose of gathering and furnishing news for the use and benefit of its members, was a proper party to sue the International News Service, a corporation organized under the laws of the State of New Jersey and whose business was also the gathering and furnishing of news to newspapers published in the United States. It appears from the opinion in that case that it cost the Associated Press approximately $3,500,000 to gather and furnish the news to its members, which sum was apparently paid by the members. Whether the Associated Press actually made any money on its work of gathering and furnishing news, does not appear from the opinion in that case. It further appears that the by-laws of the Associated Press required that the news so furnished should be published in the newspapers of its members and that no other use of it was permitted. In holding that the Associated Press was entitled to sue the International News Service, the court held that it had a property interest in the news so gathered and furnished by it.

In the case of *Illuminating Engineering Society* v. *Seelig Specialties Co.*, supra, decided by the Commissioner of Patents, it appears that the Illuminating Engineering Society was composed of engineers interested in scientific illumination; that the society was known throughout the United States by the letters "I. E. S."; that it had approved specifications for portable floor and table lamps and parts thereof; that it had entered into contracts with approximately 100 manufacturers which provided that those manufacturers might manufacture lamps in accordance with the society's specifications and that they might apply to their products labels, which were supplied by the society, indicating that their product complied with the I. E. S. specifications. It was further provided in the contracts that the failure of any manufacturer who had entered into a contract with the I. E. S. should forfeit all of its rights if it failed to comply with the specifications of the society. It further appeared that the lamps and parts thereof manufactured and sold by the manufacturers, had been advertised throughout the United States as the I. E. S. lamps and that such lamps and parts thereof were so known to the purchasing public. In view of the facts in that case, the Commissioner of Patents held that the Illuminating Engineering Society was entitled to oppose the registration of the trade-mark "I. L. S." for use on lamps and parts thereof. In so holding, the Commissioner stated that although the Illuminating Engineering Society had not used its mark as a technical trade-mark, its use was analogous thereto, and that the society would be damaged by the registration of appellee's trade-mark.

In the case of *Sporting Arms and Ammunition Manufacturers' Institute* v. *Routledge Mfg. Co.*, supra, the Commissioner of Patents dismissed appellant's opposition because it was a non-profit association composed of manufacturers; that appellant was not itself engaged in the manufacture or sale of any kind of merchandise and did not claim that it would be damaged by the registration of appellee's mark and, therefore, was not entitled to oppose appellee's registration of its mark. In that case it was stated in the Commissioner's decision that the function of the Sporting Arms and Ammunition Manufacturers' Institute was to promote and protect the interests of manufacturers who manufactured and sold sporting arms, ammunition, etc., which was employed in "Skeet shooting"; and that the applicant, Routledge Manufacturing Company, was entitled to register the notation "Mo-Skeet-O", the word "Skeet" being disclaimed apart from the mark as shown, on goods which, the Commissioner stated in his decision, were described in the application as a "markmanship practice game and the various apparatus therefor."

In the case of *Trustees for Arch Preserver Shoe Patents* v. *Brockton Shoe Manufacturing Company, Inc.*, supra, it was held that the opposer, the Trustees for Arch Preserver Shoe Patents, a partnership, was the owner as trustees, of at least one registered mark. The decision of the Commissioner denied a petition by the applicant, the Brockton Shoe Manufacturing Company, Inc., to dismiss the opposer's notice of opposition on the ground that the opposer was not entitled to oppose the registration under the provisions of section 6 of the Trade-Mark Act of February 20, 1905. It appeared in that case that certain trade-mark registrations had been transferred by the owners thereof to the trustees, the purpose of which is not explained in the Commissioner's decision, nor are the trade-marks of either of the parties involved therein set forth in the decision.

In the case of *United Mine Workers of America et al.* v. *Coronado Coal Co. et al.*, supra, it was held that the United Mine Workers of America, an unincorporated labor union which had a membership of 450,000 and which, as the court stated in its decision, acted as a business entity, distinct and apart from its individual members, and that "No organized corporation has greater unity of action, and in none is more power centered in the governing executive bodies," could sue and be sued in the Federal courts. It would unnecessarily extend this opinion to recite here the details relating to the organization and the powers conferred upon the United Mine Workers of America, all of which is set forth in the opinion of the court in that case.

In the case of *International Allied Printing Trade Ass'n. et al.* v. *The Master Printers Union of New Jersey*, supra, it was held that each of appellants had a registered trade-mark in the United States Patent Office for use on paper and stationery. The suit against appellee was an action for unfair competition for the defendant's use on similar goods of a trade-mark similar to that of appellants. It appears that appellants were the real parties in interest, and that each was a voluntary unincorporated association or union of printers consisting of more than seven members. The United States District Court for the District of New Jersey called attention in its decision to the fact that under the law of the State of New Jersey, an unincorporated association consisting of more than seven persons having a recognized name, could sue or be sued in that State. The court pointed out that a Federal statute, 15 USCA, sec. 97, conferred jurisdiction upon the Federal courts of all suits at law or in equity respecting registered trade-marks without regard to the amount in controversy; that Rule 17 (*a*) of the Federal Rules of Civil Procedure requires that every action be brought in the name of the real party in interest and that applicants had complied with that rule; and that under "Rule 17 (*b*) of such rules, an unincorporated association consisting of seven or more members might sue in its own name, if under the law of the State in which the suit was brought in the Federal district court, the association had the capacity to sue.

Other issues were decided in that case which it is unnecessary for us to state here. It should be pointed out that, in that case, each of the applicants had a registered trade-mark, and that each was suing in its own name by virtue of the laws of the State of New Jersey.

In *Barrett* v. *The Irish Industrial Development Association*, supra, the United States Court of Appeals for the District of Columbia held that appellee having a registered trade-mark in Great Britain which its licensees in the United States were permitted to affix to goods of various kinds, including clothing materials, etc. of Irish manufacture, was entitled to oppose the application of appellant Barrett for the registration of a confusingly similar

mark for use on goods manufactured in the United States.

In *Colonial Williamsburg, Incorporated* v. *Tomlinson of High Point*, supra, the Commissioner of Patents held that the opposer, Colonial Williamsburg, Incorporated, had the right to oppose the registration by Tomlinson of High Point of the trade-mark "The Williamsburg Galleries" for use on various articles of household furniture, and that the applicant was not entitled to register its mark.

It is apparent, we think, from what has been said, that none of the cases hereinbefore referred to and relied upon by counsel for appellant supports his contention that appellant in the instant case has authority under the statute to oppose the registration of appellee's marks.

It is not alleged in appellant's notices of opposition, nor is it claimed here, that appellee's marks, considered in their entirety, are either descriptive or misdescriptive of appellee's goods. Counsel for appellant contends, on the contrary, that only those portions of appellee's trade-marks which have been disclaimed apart from the marks as shown are misdescriptive. Accordingly, it is clear from the record, as hereinbefore stated, that as appellant does not mine or sell coal, and does not own or have any control over any trade-marks, it, as an association, has not established that it would be damaged by the registration of appellee's trade-marks within the purview of section 6 of the Trade-Mark Act of February 20, 1905, supra. See *Revere Paint Co.* v. *20th Century Chemical Co.*, 32 C. C. P. A. (Patents) 1096, 1100, 150 F.(2d) 135, 66 USPQ 65.

It appears from the record that the registered trade-marks, hereinbefore referred to, are owned and used by the Pocahontas Fuel Company, Incorporated, and that the advertising slogans, hereinbefore quoted, are also used by that corporation. Neither the Pocahontas Fuel Company, Incorporated, nor any of the other members of the association have joined in the notices of opposition.

It further appears from the record, as hereinbefore noted, that there is no contractual relationship existing between appellant and its members except that "The association acts as a collective bargaining agency" for its members and makes wage contracts for them.

Considering all of the facts of record, hereinbefore related, we are of opinion that the tribunals were right in holding that appellant has no legal authority to oppose, on behalf of its members, appellee's applications for the registration of its trade-marks. *Tim & Co.* v. *Cluett, Peabody, & Co.*, 42 App. D. C. 212; *Key West Cigar Manufacturers' Ass'n. et al.* v. *Rosenblum*, 171 Fed. 296.

Owing to the fact that the tribunals of the Patent Office granted appellee's applications for registration of its marks, and as no appeal was taken by appellee to this court from the decision of the Commissioner of Patents, and as appellant has no authority to oppose appellee's applications for registration, either on its own behalf or on behalf of its members, we have no authority to consider the ex parte decision of the Commissioner of Patents. See *Revere Paint Co.* v. *20th Century Chemical Co.*, supra.

For the reasons stated, the decision of the Commissioner of Patents dismissing appellant's notices of opposition, is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE VINCENT

No. 5,253. Decided February 11, 1947. Petition for rehearing denied March 21, 1947

[159 F.(2d) 877; 73 USPQ 57]

PATENTABILITY—PROCESS—SUBSTITUTION OF EQUIVALENTS.

Where the process defined by the appealed claims was identical in substance with the process disclosed in the patent to Schneider, except that the patentee discloses one bleaching agent instead of the particular agent called for by the appealed claims; and where a patent to Taylor et al. clearly discloses that appellant's particular bleaching agent is well known in the art, *Held* that it would be obvious for one skilled in the art to substitute the bleaching agent of Taylor et al. for the bleaching agent of Schneider.

SAME—SAME.

Certain claims to a process for bleaching cellulose acetate *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Pennie, Edmonds, Morton & Barrows (*Louis D. Forward* and *Clarence M. Fisher* of counsel) for Vincent.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 1 to 6, inclusive, in appellant's application for a patent for an alleged invention relating to a method of treating solutions of cellulose esters.

Claims 4 and 6 were rejected as being drawn to non-elected species and, therefore, need not be considered here on their merits.

Counsel for appellant moved to dismiss claim 2. The motion will be granted.

Claims 3 and 5 are illustrative of the appealed claims. They read:

3. In the bleaching of cellulose acetate the step which comprises adding sodium chlorite to the esterifying solution prior to precipitation of the cellulose acetate.

5. In the manufacture of acetone soluble cellulose acetate the step which comprises adding sodium chlorite to the solution in which the cellulose acetate is formed during hydrolysis of the cellulose acetate.

The references relied upon are: Taylor et al., 2,100,496, November 30, 1937; Schneider, 2,109,509, March 1, 1938.

Appellant's process relates to the bleaching of cellulose acetate solutions and removing objectionable corrosive materials. The material resulting from the process is used in molded plastics, photographic films, in lacquers and, as stated in the application, the resultant product is soluble in acetone.

In accordance with the process, as defined by the appealed claims, appellant prepares the cellulose acetate by treating cellulose material with "acetic anhydride in the presence of a catalyst and a solvent." Sodium chlorite is then added to the solution prior to precipitation of the cellulose acetate, as stated in claim 3, or during hydrolysis of the cellulose acetate, as stated in claim 5.

The patent to Schneider relates to the "treatment of organic derivatives of cellulose to reduce their corrosive properties and color and increase their clarity characteristics." The patentee teaches the addition of a solution of hypochlorite to cellulose derivatives, including cellulose acetate, before or during the hydrolysis and ripening step, although he also states that he prefers to treat the cellulose derivatives at the end of the "hydrolysis or ripening step."

The patent to Taylor et al. relates to the bleaching of cellulose and cellulose derivatives and discloses the use of sodium chlorite for that purpose. The patentees teach that the hypochlorites disclosed in the patent to Schneider "tend to exert a destructive action upon the cellulosic material itself when an attempt is made to secure maximum bleaching results," and that sodium chlorite not only effects the required bleaching but lacks the tendency to exert a destructive action upon the cellulosic material.

In view of the disclosure in the patent to Taylor et al., the sole issue in the case is whether it involved invention to substitute sodium chlorite, as disclosed in the Taylor et al. patent, in place of hypochlorites to the cellulose acetate, as disclosed in the patent to Schneider.

It clearly appears from the patent to Taylor et al., as hereinbefore noted, that sodium chlorite not only effects the required bleaching but lacks the tendency to exert a destructive action upon cellulose or cellulose derivatives.

The claims were rejected by the Patent Office tribunals on the patent to Schneider in view of the patent to Taylor et al., each of those tribunals holding that the process defined by the appealed claims was identical in substance with the process disclosed in the patent to Schneider, except that the patentee discloses hypochlorites instead of sodium chlorite, as called for by the appealed claims; and that, as the patent to Taylor et al. clearly discloses that sodium chlorite is a well known bleaching agent and also destroys objectionable corrosive properties, it would be obvious for one skilled in the art to substitute sodium chlorite, as disclosed in the patent to Taylor et al., for a hypochlorite disclosed in the patent to Schneider.

Counsel for appellant here contends that the use of sodium chlorite in the patent to Taylor et al. was for "bleaching crude fibrous cellulosic materials" and that the patent apparently does not disclose its use, either prior to or during the hydrolysis of cellulose acetate, and that, therefore, the patent to Taylor et al. does not suggest the use of sodium chlorite in a process such as defined by the appealed claims.

The difficulty with that argument is that the patent to Taylor et al. teaches the use of sodium chlorite for cellulose or cellulose derivatives.

We are in agreement, therefore, with the views expressed by the tribunals of the Patent Office that as the patent to Taylor et al. teaches that sodium chlorite is not only a bleaching agent but also does not exert a destructive action upon cellulose or cellulose derivatives, it would be obvious for one skilled in the art to use sodium chlorite, even though a lesser quantity is required, and discover that it could be effectively used with beneficial results in place of the hypochlorites disclosed in the patent to Schneider. See *In re Rudolph Wietzel and Wilhelm Michael*, 17 C. C. P. A. (Patents) 1079, 1083, 39 F.(2d) 669, 5 USPQ 177, and *In re Migrdichian*, 27 C. C. P. A. (Patents) 806, 809, 108 F.(2d) 237, 44 USPQ 74.

We have given careful consideration to the arguments presented by counsel for appellant but are of opinion that the tribunals of the Patent Office reached the right conclusion.

The appeal as to claim 2 is dismissed.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,877,587, R. A. Rasche, Method of preparing apples for freezing, filed May 23, 1947, D. C., E. D. Mich., S. Div., Doc. 6649, *R. A. Rasche* v. *Frigid Food Products, Inc.*

1,903,106, W. R. Gillies, Waterproof heat insulating tape; 2,070,861, same, Waterproof insulating material, D. C., N. D. Ill., E. Div., Doc. 46c533, *Union Asbestos & Rubber Co.* v. *Gustin-Bacon Mfg. Co.* Claim 8 of 1,903,106 and claim 4 of 2,070,861 held invalid (notice June 4, 1847).

1,923,965, J. B. Brennan, Acoustic diaphragm, filed June 6, 1947, D. C., N. D. Ill., E. Div., Doc. 47c821, *J. B. Brennan* v. *Hawley Products Co.*

1,936,591, F. Ewing, Steam sprayer, filed May 23, 1947, D. C., W. D. Okla. (Oklahoma City), Doc. 3608, *Quick Charge, Inc.*, v. *Ewing Mfg. Co.*

2,016,844, W. H. Tull, Last; 2,359,990, H. Heggs, Shoe last, D. C., E. D. Mo. (St. Louis), Doc. 4894, *United Last Co.* v. *Mississippi Valley Last Co.* Judgment holding patents invalid, complaint dismissed as to 2,016,844, counterclaim dismissed May 29, 1947.

2,070,861. (See 1,903,106.) 2,090,751. (See 2,155,978.)

2,098,416. (See 2,155,978.)

2,099,973, L. M. de Corlieu, Life-saving and swimming propelling device; 2,321,009, O. P. Churchill, Swimfin, filed May 8, 1947, D. C., S. D. Calif., C. Div., Doc. 6957–Y, *O. P. Churchill* v. *D. F. Eddy et al.*

2,155,978, 2,182,034, P. B. Oberstadt, Shock absorber; 2,182,016, F. A. Deutsch, Fluid retarding or braking device; 2,090,751, 2,098,416, same, Hydraulic shock absorber; 2,201,030, same, Regulating valve for hydraulic shock absorbers, filed June 4, 1947, D. C., N. D. Ohio, E. Div., Doc. 24980, *The Gabriel Co.* v. *E. S. Oberstadt.*

2,182,016. (See 2,155,978.) 2,182,034. (See 2,155,978.)

2,201,030. (See 2,155,978.)

2,230,020, B. S. Webster, Air conditioning attachment for automobiles, filed May 22, 1947, D. C., S. D. Calif., C. Div., Doc. 7024Y, *Thermador Electrical Mfg. Co.* v. *Consolidated Distributors.* Doc. 7025–BH, *Thermador Electrical Mfg. Co.* v. *Frank D. Davison Co.*

2,236,778, Des. 121,016, B. A. Mitchell, Bed lamp, filed June 4, 1947, D. C., N. D. Ill., E. Div., Doc. 47c814, *Mitchell Mfg. Co* v. *Eagle Electric Mfg. Co., Inc.*

2,253,417, W. C. Clark, Terminal clip, D. C., N. D. Ill., E. Div., Doc. 44c1174, *W. C. Clark* v. *Central Equipment Co. et al.* Judgment dismissing cause May 5, 1947.

2,321,009. (See 2,099,973.)

2,350,023, O. G. Ferrier, Lapping machine for wire-drawing dies, filed May 31, 1947, D. C., N. D. Ind. (Fort Wayne), Doc. 34, *O. G. Ferrier et al.* v. *Detroit Wire Die Co.*

2,352,524, Evans & McDonough, Depilatory, D. C., S. D. N. Y., Doc. 38/618, *Sales Affiliates, Inc.*, v. *Elizabeth Arden, Inc.* Stipulation dismissing complaint and counterclaim (notice June 4, 1947).

2,359,990. (See 2,016,844.)

2,372,994, T. R. Welch, Label, D. C., E. D. Wis. (Milwaukee), Doc. 2804, (*Western Lithograph Co. et al.* v. *W. H. Brady Co.* Decree for defendant dismissing complaint and supplemental complaint for want of equity May 27, 1947.

2,390,941, F. D. Jones, Method and composition for killing weeds, C. C. A., 6th Cir., Doc. 10375, *American Chemical Paint Co.* v. *The Dow Chemical Co.* Orders of the lower court granting injunction and denying appellants' motion to dismiss the action reversed, and the action remanded to the district court for further proceedings in accordance with the rulings May 26, 1947.

2,412,704, J. C. Jacques, Portable saw, filed May 21, 1947, D. C., E. D. Tex. (Sherman), Doc. 408, *Jacques Power Saw Co. et al.* v. *Combination Saw & Tractor Co. et al.*

2,417,687, L Hunau, Brassière, filed May 27, 1947, D. C., S. D. N. Y., Doc. 41/718, *Exquisite Form Brassiere, Inc.*, v. *Mayfair Bra Co., Inc., et al.*

Re. 18,789, O. M. Gahagan, Cathead, filed May 31, 1947, D. C., W. D. Okla. (Oklahoma City), Doc. 3612, *O. M. Gahagan et al.* v. *American Iron & Machine Works Co. et al.*

Re. 20,033, G. D. Hudson, Soft-rubber plug and socket body, D. C., E. D. N. Y. (Brooklyn), Doc. o–6984, *G. D. Hudson* v. *Marks Products Co., Inc.* Consent judgment favor defendant (notice May 23, 1947). Same, D. C., S. D. Calif. (Los Angeles), Doc. 5163–PH, *G. D. Hudson* v. *Leviton Mfg. Co.* Consent judgment holding patent valid and infringed as to claims 1 to 5 inclusive and 9 to 17 inclusive, no injunction May 29, 1947.

Des. 121,016. (See 2,236,778.)

Des. 137,944, L. C. Lloyd, Baby carrier, D. C., S. D. N. Y., Doc. 37/480, *L. C. Lloyd*, v. *R. H. Macy & Co., Inc., et al.* Consent order of discontinuance (notice May 20, 1947).

Des. 141,099, E. J. Baumgardner, Contact carrier for an electric switch, filed May 9, 1947, D. C. R. I., Doc. 791, *Coro, Inc.* v. *Doro Pearl Co., Inc.*

T. M. 148,109. (See T. M. 421,802.)

T. M. 190,743, The Western Reserve Oil Co., Kerosene, gasoline, lubricating oils, and greases; T. M. 349,888, The Cities Service Oil Co., same, D. C. N. J. (Newark), Doc. 9664, *Cities Service Oil Co.* v. *Trojan Oil Co. et al.* Consent judgment favor plaintiff holding trade-marks valid and infringed, injunction (notice June 13, 1947).

T. M. 349,888. (See T. M. 190,743.)

T. M. 362,181. (See T. M. 421,802.)

T. M. 421,128, Pronto Pups, Inc., Edible food product, D. C. Idaho (Boise), Doc. 1427–E, *G. M. Boyington et al.* v. *E. A. Stuart.* Defendant enjoined May 20, 1947.

T. M. 421,802, T. M. 362,181, T. M. 148,109, Le Roi Hosiery Co., Inc., Hosiery, filed May 27, 1947, D. C., E. D. Tenn. (Greenville), Doc. 385, *Le Roi Hosiery Co., Inc.*, v. *Lea Ray Hosiery Co.*

TRADE-MARK REGISTRATIONS CANCELED

133,722. Malt beverages, extracts, and liquors. Lion Brewery of New York City, New York, N. Y. Registered Aug. 3, 1920. Canceled June 17, 1947.

267,524. Laxative in the form of a carbonated beverage. Cherlax Co., Elizabeth, N. J. Registered Feb. 25, 1930. Canceled June 16, 1947.

278,520. Men's and boys' blouses, dress, negligee, etc. Shrage & Pines, New York, N. Y. Registered Dec. 23, 1930. Canceled June 17, 1947.

313,405. Vacuum tube amplifying apparatus and parts, consisting of transformers, resistors, condensers, etc. George Owen Squier, Washington, D. C., and Imlay City, Mich. Registered May 29, 1934. Canceled June 17, 1947.

397,973. Toilet cream. Charles of the Ritz Inc., New York, N. Y. Registered Sept. 29, 1942. Canceled June 16, 1947.

401,174. Fruit and vegetable extracts and juices in solidified form, for food purposes. Prime Products, Inc., Tampa, Fla. Registered Apr. 27, 1943. Canceled June 12, 1947.

401,391. Perfumes, eaux de cologne, dentifrices, etc. Leron of Paris, New York, N. Y. Registered May 11, 1943. Canceled June 20, 1947.

413,483. Men's topcoats and overcoats. Edward Makransky Co., Philadelphia, Pa. Registered Apr. 24, 1945. Canceled June 17, 1947.

422,866. Liqueur. V Fruit Brandy Company, Los Angeles, Calif. Registered Aug. 13, 1946. Canceled June 17, 1947.

NOTICES

Establishment of Division 66

Effective June 23, 1947, Division Sixty-six was established in the patent examining operation.

The Division will examine: "Class 33, geometrical instruments, including all sub-classes thereof. This division is located in Room 7427, Commerce Building. Mr. I. Lisana, formerly of Division 45, has been transferred and made the Primary Examiner in charge of the new division."

Disclaimer

2,378,249.—*Roger A. Ruth*, Rochester, N. Y. TRIMMER. Patent dated June 12, 1945. Disclaimer filed June 11, 1947, by the assignee, *Eastman Kodak Company;* the inventor, assenting.

Hereby enters this disclaimer to claims 1, 2, 4, and 5 of said patent.

Adjudicated Patent

(D. C. Md.) Evans and McDonough patent, No. 2,352,524, for a depilatory, claims 2 and 11 to 13 *Held* valid and infringed; claims 6 and 17 *Held* invalid. *Sales Affiliates, Inc.*, v. *Hutzler Bros. Co.*, 71 F. Supp. 287; 72 USPQ 211.

Interference Notice

Cecil R. Cook, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ed. Harter, Inc., 1435 Dorr St., Toledo 7, Ohio, for registration of a trade-mark and trade-mark registered June 23, 1936, No. 336,087, to Cecil R. Cook, 527 S. Rampart, New Orleans, La., and the notice of such declaration sent by registered mail to said Cook at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cook, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

June 17, 1947

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pursuant to a Consent Decree, American Lecithin Company, Elmhurst, Long Island, N. Y., agrees to grant each applicant a non-exclusive license or sub-license to make, use, and vend under any, some, or all of the patents herein defined "Process Patents."

No restriction or condition whatsoever will be included in any license except that:

(1) The license be non-transferable,
(2) A reasonable non-discriminatory royalty may be charged, and
(3) Licensee may cancel the license at any time after two years from its initial date by giving thirty days notice in writing to licensor.

"Process Patents" mean all United States and foreign patents, and applications for such patents, owned or controlled by American Lecithin Company or under which they have the power to issue licenses or sub-licenses which relate to any method, process, or extraction of lecithin, and shall also include any such patents in the field hereafter issued upon applications therefor which are now pending, any renewals, extensions, reissues, or divisions.

Such United States "Process Patents" as are now owned or controlled by American Lecithin Company are as follows:

Pat. 1,776,720. PROCESS FOR THE PURIFICATION OF PHOSPHATIDES. Patented Sept. 23, 1930.

Pat. 1,892,588. TREATMENT OF VEGETABLE LECITHIN. Patented Dec. 27, 1932.

Pat. 1,893,393. PROCESS FOR THE REFINEMENT OF VEGETABLE PHOSPHATIDES. Patented Jan. 3, 1933.

Pat. 1,895,424. LIGHT COLORED MIXTURE OF VEGETABLE PHOSPHATIDES AND FATTY OIL. Patented Jan. 24, 1933.

Pat. 1,917,734. EXTRACTING OIL FROM SEEDS. Patented July 11, 1933.

Pat. 2,020,662. PROCESS FOR THE PRODUCTION OF PHOSPHATIDE PREPARATION. Patented Nov. 12, 1935.

Pat. 2,024,398. PROCESS FOR PRODUCTION OF LECITHIN FROM VEGETABLE RAW MATERIALS. Patented Dec. 17, 1935.

Pat. 2,057,695. METHOD FOR THE PRODUCTION OF VEGETABLE PHOSPHATIDE PREPARATIONS. Patented Oct. 20, 1936.

Pat. 2,194,842. SOFT LECITHIN PREPARATION. Patented Mar. 26, 1940.

Pat. 2,249,002. PREPARATION OF VEGETABLE PHOSPHATIDES. Patented July 15, 1941.

Pat. 2,287,838. METHOD OF MANUFACTURING CONFECTION AND PRODUCT. Patented June 30, 1942. (Claims 16 to 20 inclusive.)

Pat. 2,355,081. PREPARATION OF A PHOSPHATIDE COMPOSITION. Patented Aug. 8, 1944.

Pat. 2,373,686. PHOSPHATIDE PRODUCT AND METHOD OF MAKING. Patented Apr. 17, 1945.

Pat. 2,374,681. PHOSPHATIDE COMPOSITION. Patented May 1, 1945.

Pat. 2,391,462. PREPARATION OF A PHOSPHATIDE COMPOSITION. Patented Dec. 25, 1945.

Pat. 2,400,120. PHOSPHATIDE COMPOSITION AND METHOD OF PREPARING. Patented May 14, 1946.

Pat. 2,403,284. PHOSPHATIDIC LUBRICANT AND METHOD OF MAKING. Patented July 2, 1946. (Claims 1, 2, 3 and 4.)

American Lecithin Company also agrees to grant to any applicant making written request therefor, a non-exclusive, unrestricted, and royalty-free right and license to make, use, and vend under any one or more of the patents herein defined "Use Patents."

"Use Patents" mean all United States and foreign patents, and applications for such patents, owned or

controlled by American Lecithin Company, or under which they have the power to issue licenses or sub-licenses, which relate to the use of, or improvements on the use of, or to any method or process of using lecithin alone or in combination with other materials in the production, processing, or treatment of any other article or product, and shall include any such patents in the field hereafter issued upon any applications therefor now pending and any renewals, continuations, reissues, or divisions of such patents or applications.

Such United States "Use Patents" as are now owned or controlled by American Lecithin Company are as follows:

Pat. 1,762,077. PRODUCTION OF EGG-YOLK SUBSTITUTES. Patented June 3, 1930.

Pat. 1,776,721. METHOD OF PRODUCING UNIFORM PULVERULENT MIXTURES. Patented Sept. 23, 1930.

Pat. 1,779,012. AUXILIARY MEANS FOR LEATHER DRESSING. Patented Oct. 21, 1930.

Pat. 1,831,728. SHORTENING COMPOSITION AND METHOD. Patented Nov. 10, 1931.

Pat. 1,843,051. BAKING COMPOSITION AND MODE OF PREPARING SAME. Patented Jan. 26, 1932.

Pat. 1,859,240. FOOD PRODUCT AND METHOD OF PRODUCING THE SAME. Patented May 17, 1932.

Pat. 1,903,397. METHOD OF SEPARATING FATTY CONSTITUENTS FROM OLEAGINOUS MATERIALS. Patented Apr. 4, 1933.

Pat. 1,934,005. METHOD OF PREPARING STABLE AQUEOUS EMULSIONS OF LECITHIN AND OIL. Patented Nov. 7, 1933.

Pat. 1,936,718. BAKERY PRODUCT AND METHOD OF PRODUCING THE SAME. Patented Nov. 28, 1933.

Pat. 1,938,864. INSECTICIDAL EMULSION. Patented Dec. 12, 1933.

Pat. 1,946,332. DRESSING, SIZING, AND SOFTENING OIL. Patented Feb. 6, 1934.

Pat. 1,965,490. PROCESS OF MAKING MARGARINE AND COMPOSITION USED THEREIN. Patented July 3, 1934.

Pat. 1,982,186. FRYING FAT AND METHOD. Patented Nov. 27, 1934.

Pat. 1,986,360. THICKENING MATERIAL FOR USE IN THE PRINTING OF TEXTILE FABRICS. Patented Jan. 1, 1935.

Pat. 2,019,494. FLAVORING MATERIAL AND METHOD OF USING SAME. Patented Nov. 5, 1935.

Pat. 2,020,496. PROCESS OF DYEING. Patented Nov. 12, 1935.

Pat. 2,020,517. TREATMENT OF FIBROUS AND TEXTILE MATERIALS. Patented Nov. 12, 1935.

Pat. 2,039,739. PRODUCTION OF A LECITHIN NUTRIENT MATERIAL. Patented May 5, 1936.

Pat. 2,115,088. ACID PHOSPHATIDE EMULSION. Patented Apr. 26, 1938.

Pat. 2,181,129. ADHESIVE. Patented Nov. 28, 1939.

Pat. 2,287,838. METHOD OF MANUFACTURING CONFECTION AND PRODUCT. Patented June 30, 1942. (Claims 1 to 15 inclusive.)

Pat. 2,355,061. TURPENTINE COMPOSITION AND METHOD OF MAKING. Patented Aug. 8, 1944.

Pat. 2,373,687. CONFECTION AND METHOD OF MAKING. Patented Apr. 17, 1945.

Pat. 2,402,690. PROCESS FOR MAKING MARGARINE. Patented June 25, 1946.

Detailed information may be secured from American Lecithin Company, Elmhurst, Long Island, N. Y. Groups 20 : 28. Reg. Nos. 5,918 to 5,958.

Pat. 2,416,112. FOUNTAIN PEN. Patented Feb. 18, 1947. This fountain pen is conventional in appearance. However, the barrel has been changed in detail to slidably support a cap sleeve and to bring pressure against a hinged and movable segment of the sleeve. The sleeve is tapered to a blunt point at the nib end, the movable segment extending forwardly to the point. Forward pressure on the barrel within the sleeve moves the segment outwardly so that the nib emerges from the closure. In use, the cap sleeve covers the portion of the pen ordinarily grasped in writing, the pen being opened and closed with one hand. A further provision is that the closure is automatically tightened and sealed by clipping the pen to the coat pocket in the usual manner. (Owner) James A. Moore, 609 Second St., Oceanside, Calif. Group 39—51. Reg. No. 5,959.

Pat. No. 2,347,383. VEGETABLE GRATER. Patented Apr. 25, 1944. Receptacle has a pair of graters, one attached above the bottom of the receptacle and the other to the cover. The arrangement includes an adjusting screw and a clamping jaw enabling it to be attached to a shelf or table. In use, potatoes or other vegetables are placed between the graters and the pressure applied by adjusting a second screw at the bottom of the receptacle which moves the bottom grater upward toward the grater attached to the receptacle cover. Grating is performed by rotating the cover and its attached plate. (Owner) John Wiegratz, Kempton, W. Va. Group 34—41. Reg. No. 5,960.

Pat. 2,007,687. INDICATOR FOR WATER GAUGES. Patented July 9, 1935. A backing plate for a gauge glass causes the water column to stand out sharply and facilitates reading the water level in the glass from a distance. The plate has oblique stripes which are inverted and magnified when seen through the water in the glass. (Owner) Nellie G. McClain. Address correspondence to C. T. Parker, 2434 12th St., Moline, Ill. Group 35—69. Reg. No. 5,961.

Pat. 2,074,753. GAUGE. Patented Mar. 23, 1947. A tube gauging device which is slidable along boiler tubes, oil still tubes or the like to indicate or detect bulges or weak spots in the tube. Thus, boiler tubes may be replaced before actual rupture occurs. Basically, a gauge head is adapted for longitudinal movement in a tube so that a number of circumferentially spaced feelers carried by the head and riding in contact with the adjacent surface of the tube serve to disclose radial distortion of the tube. Such distortion and its location are made known on indicating devices independently controlled by the feelers. (Owner) Nellie G. McClain. Address correspondence to C. T. Parker, 2434 12th St., Moline, Ill. Group 36—12. Reg. No. 5,962.

Pat. 2,113,662. LIQUID LEVEL INDICATOR. Patented Apr. 12, 1938. An easy-to-read gauge glass having vertical reinforcing rods embedded in the wall of the glass. The water magnifies the rods producing a solid black appearance so that only separate rods are seen above the water lever. (Owner) Nellie G. McClain. Address correspondence to C. T. Parker, 2434 12th St., Moline, Ill. Group 35—69. Reg. No. 5,963.

Pat. 2,154,819. GAUGE GLASS ILLUMINATING DEVICE. Patented Apr. 18, 1939. A gauge glass illuminating device which produces a striking contrast between the water column and the air above the column. This is accomplished by an illuminating tube having laterally spaced light transmitting slots separated by an opaque strip. The water column magnifies the opaque strip causing the column to appear dark while the air column in the tube appears brilliant. (Owner) Nellie G. McClain. Address correspondence to C. T. Parker, 2434 12th St., Moline, Ill. Groups 35—69; 36—13. Reg. No. 5,964.

Pat. 2,413,594. MEANS FOR CURLING OPEN-END DRUMS. Patented Dec. 31, 1946. An attachment for a conventional double seamer or like machine which simultaneously completes the true forming of the skirt of the curl with the end-curling operation thus completing an open-top drum or barrel in a single operation. The attachment is a cylinder and piston arrangement or a slide housing having an air-operated slide in which a skirt curling roll replaces the seaming roll of one of a pair of slides of the standard double seamer. In use, both slides of the double seamer are adjusted to minimum positions to make one inoperative and to pneumatically operate the other. Wiring can also be carried out easily and readily by retaining a hoop in position against the forming end curl and curling the skirt around it. (Owner) Wendell H. White, Martinez, Calif. Groups 33—96; 35—59. Reg. No. 5,965.

Pat. 1,931,331. GARMENT. Patented Oct. 17, 1933. This garment, particularly intended for warm weather, is a combination coat and false shirt front. The garment is made of light shirting material, is loose-fitting and may be worn as a shirt or as a combination shirt and jacket. The shirt front portion comprises a complete collar having a folded over portion held in place by attachment to the coat; the front panel, buttoned in the usual manner, is held in place by an elastic tape which encircles the body above the waist. The jacket may be worn without the false shirt front or in combination with the usual shirt. (Owner) Morris Staw, 111—39 76th Road, Forest Hills, N. Y. Group 23—29. Reg. No. 5,966.

Pat. 2,414,616. METHOD TO PREVENT THE DESTRUCTION OF GARMENTS BY PERSPIRATION. Patented Jan. 21, 1947. A water repellent lining fixed over or beneath the usual coat or garment lining to prevent perspiration from going through the garment to which it is attached. The lining is somewhat semi-circular in shape and covers the back of the wearer, the ends overlapping to provide an open area so that heat is not confined and moisture may evaporate. Adjustable means consist of a pair of supporting straps held by loops at the top and bottom of the lining. (Owner) Morris Staw, 111—39 76th Road, Forest Hills, N. Y. Group 23—86. Reg. No. 5,967.

Pat. 2,416,854. STEEL FOR HAWAIIAN GUITARS. Patented Mar. 4, 1947. A guitar steel having two bars hinged at their top edges and provided with a spring so that the distance between the bottom of the bars may be adjusted. One of the bars has a straight edge, the other being slotted. By proper selection of the frets over which the bars are held, the strings over which the slots are held and the strings that are plucked, any major, minor, sixth chord, etc., may be produced in any inversion desired. Modifications shown. (Owner) Frank J. Smith, R. F. D. 1, Colchester, Conn. Group 39—39. Reg. No. 5,968.

Pat. 2,413,389. ADDITIVE MULTIRANGE ELECTRONIC MEASURING INSTRUMENT. Patented Dec. 31, 1946. A multirange electronic voltmeter for use in a Q meter to replace the thermocouple meter formerly used to monitor the input of a measuring circuit. Comprises a rectifier tube, the input of which is connected to the voltage to be measured, the output to an amplifying tube (the output of the amplifying tube being connected to an indicating instrument). Across the power supply constituting a source of anode current are resistors (in series) which produce a series of predetermined bias potentials, each corresponding to a different indicating range for the instrument. A range changing switch connects a selected bias potential to the input circuit of the rectifier tube. The difference in magnitude of adjacent bias potentials in the series is such that an applied voltage producing a maximum indication in any one range produces a zero reading in the next higher range. (Owner) Simmonds Aerocessories Ltd. Address correspondence to Watson, Cole, Grindle & Watson, 815 Fifteenth St. N. W., Washington 5, D. C. Group 36—13. Reg. No. 5,969.

Pat. 2,414,981. ABRASIVE WHEEL Patented Jan. 28, 1947. Flexible abrasive wheel of honey-combed or cellular construction formed, with the exception of the hub, from a large number of separate pieces of abrasive coated fabrics. Each piece is haphazardly rumpled to form a cellular lump which is spot-coated with an adhesive. To form the wheel a large number of these lumps are placed in a circular mold between two disc-shaped liners and compressed. After solidification of the adhesive the wheel is removed from the mold and a suitable hub attached. (Owner) Robert B. Scrimgeour, Apt. K-10, 2300 South Broad St., Trenton 10, N. J. Group 32—91. Reg. No. 5,970.

Pat. 1,951,967. WARP TENSION EQUALIZER. Patented Mar. 20, 1934. A let-off mechanism for looms for maintaining the proper tension upon the warp so that finished product will be uniform. A tension device is engaged with a warp head and an equalizer device is carried by tension device and extends forwardly therefrom. A picker stop carried by tension device adjacent equalizer limits movement of the tension device. (Owner) Telesphore C. Demers, % Demers Manufacturing Co., 32 Church St., Lebanon, N. H. Group 35—52. Reg. No. 5,971.

Pat. 2,411,084. PAGE TURNING DEVICE FOR INVALIDS. Patented Nov. 12, 1946. An electrically operated page turning device for books, especially useful for invalids. A housing is positioned over bed and supports the book rack with flexible page turning members for insertion between book leaves. A roller is mounted on lower end of each leaf turning member and rests in a slot in ledge of front wall. A coil spring engages upper right hand corner of book and the leaves are supported beneath a resilient bar. An arm at upper end of each flexible member oscillates and swings flexible member to opposite side of rack and turns the page. (Owner) Telesphore C. Demers, % Demers Manufacturing Co., 32 Church St., Lebanon, N. H. Group 36—21. Reg. No. 5,972.

Pat. 2,417,533. PUMP ROD AND PIPE CLAMP. Patented Mar. 18, 1947. Rod and pipe wrench for clamping and holding pump rods. Two hinged sections are held together by a dog, with a removable jaw in one section forming a fixed jaw, and a movable jaw in the other section. An adjusting screw is provided for sliding the movable jaw into and out of clamping position with the fixed jaw. When clamped to a pipe or other support the device may be used as a vise for repair work. (Owner) Dr. Wylie S. Wilkison, Bayard, N. Mex. Group 33—52. Reg. No. 5,973.

Pat. 2,417,534. AUTO WINDOW CONTROL. Patented Mar. 18, 1947. A compressed air means applied to automobile door for quickly opening the windows. Used in connection with conventional gear mechanism for closing the windows. The handle is moved to disengage the pinion from teeth of quadrant and establish communication through valve between compressed air tank and cylinder. The piston in cylinder moves the quadrant and levers to quickly open the window. After window is opened handle is moved to normal position to permit closing window in the usual way. (Owner) Dr. Wylie S. Wilkison, Bayard, N. Mex. Group 38—31. Reg. No. 5,974.

Pat. 2,416,541. VARIABLE PITCH PROPELLER. Patented Feb. 25, 1947. Centrifugally controlled means mounted in tubular shanks of the propeller blades automatically adjust the pitch of the blades in response to engine speed. The propeller may be adapted to different makes or sizes of engines by adjusting the setting of the centrifugally controlled means. A helically threaded cylindrical weight engages a helically threaded inner surface of the shanks to turn the blade to alter the pitch. The weight and a spring are slidably, but non-rotatably, mounted on an arbor which has limited longitudinal movement. In order to increase the range of pitch which is normally obtained, or even reverse the pitch to obtain a braking action, the pilot may at will use a shift lever which causes a cam to alter the normal position of the arbors to permit the weights to move farther outwardly than would normally occur. (Owner) Peter M. Olman, 6305 Yucca St., Hollywood 28, Calif. Groups 37—22—31; 38—31. Reg. No. 5,975.

Pat. 2,377,169. CORRUGATED METAL FASTENER. Patented May 29, 1945. Fastener, for joining two pieces of board such as shelving in edge to edge relation, is provided with a series of outwardly punched prongs or barbs on each side. The prongs yield to permit the fastener to be driven into the wood and then spring outwardly. Any tendency of the pieces to shift causes the prongs to bite more deeply into the wood, thus increasing the locking power of the fastener. (Owner) Henry Mohr, 726 East B, Hutchinson, Kans. Groups 33—73, 40. Reg. No. 5,976.

Pat. 2,151,517. PREPARATION OF ARYLNITROALKANOLS. Patented Mar. 21, 1939. This patent describes a simple process for the manufacture of a series of pharmaceuticals, such as ephedrine, epinephrine, sympathol, neo-sympathol, synephrine, neo-synephrine, ethylnorsuprarenin, etc., based on the condensation of aromatic aldehydes and nitroparaffins. Intermediate compounds in these syntheses are covered by product claims. (Owner) Jonas Kamlet, The Kamlet Laboratory, 250 East 43rd St., New York 17, N. Y. Group 28—31. Reg. No. 5,977.

Pat. 2,400,071. TUNNEL LINING. Patented May 14, 1946. A circular tunnel lining for under river tunnels, large culverts, etc. Comprised of a series of segmental rings of corrugated steel plate or other suitable material placed co-axially end to end. The segments in the upper portion of the rings are of greater thickness and strength than those in lower portion of rings. (Owner) Anders Bull, 67—127 Clyde St., Forest Hills, N. Y. Group 33—12. Reg. No. 5,978.

Pat. 2,415,859. TABLET CONTAINER AND DISPENSER. Patented Feb. 18, 1947. Small cardboard container is designed to hold aspirin or other tablets (preferably 12) so that they may be dispensed one at a ime. The tablets are placed in individual cells in a sheet (almost as thick as the tablets) between the top and bottom of the container, all being secured together. The top has a series of perforated discs and the bottom is outwardly bulged to form a series of depressions. To remove a tablet a bulge is pressed inwardly causing a tablet to break a disc and fall from container. A suitable foldable cover is provided. (Owner) Enock Ancker, Box 126, Las Cruces, N. Mex. Group 26—69. Reg. No. 5,979.

Pat. 2,175,005. SPRING STABILIZER. Patented Oct. 3, 1939. This patent describes a reinforcing stabilizer for coil spring assemblies such as bed springs, automobile seats, etc. The stabilizer comprises a flat resilient metal strip, the lower end of which is bent inwardly and extends in a straight line to the lower end of an open loop to form a leaf spring portion. The device is riveted along the corners and edges of the usual coil spring frame where reinforcement is most needed so that tipping is prevented. (Owner) Rudolph Taub, 79 Woodland Rd., Bloomfield, N. J. Group 33—49. Reg. No. 5,980.

Pat. 2,151,675. SAFETY BOOK MATCH. Patented Mar. 28, 1939. Both ends of the cover of this book match are permanently secured to the match strip so that the matches are constantly shielded from flame. The cover is transversely pleated at one side near the bottom so that it may be folded upon itself to fit closely about the matches and unfolded to lengthen the cover to permit easy access to the matches. (Owner) Enock Ancker, Box 126, Las Cruces, N. Mex. Group 25—93. Reg. No. 5,981.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 15, 1947

[VOL. 600. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 505,613. PACIFIC COAST FIBERS, INC., Los Angeles, Calif. Filed July 13, 1946.



FOR REUSABLE JUNK—NAMELY, WASTE PAPERS AND WASTE RAGS IN BUNDLE OR BALE FORM FOR SHIPMENT PURPOSES.

Claims use since Jan. 10, 1946.

Ser. No. 507,216. POLLOCK LEATHER CO., INC., New York, N. Y. Filed Aug. 10, 1946.

Poleco

FOR LEATHER HIDES.

Claims use since Apr. 16, 1945.

Ser. No. 510,422. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 8, 1946.

PROCEL

FOR SHEETS, FILMS, FOILS, RODS, TUBES, POWDERS, CHIPS, SLABS, BLANKS, AND THE LIKE, CAPABLE OF BEING MOLDED UNDER HEAT AND/OR PRESSURE OR OTHERWISE FABRICATED AND MADE IN WHOLE OR IN PART OF A CELLULOSIC PLASTIC.

Claims use since about Sept. 28, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 492,895. CLARO LABORATORIES, South Bend, Ind. Filed Dec. 8, 1945.

CLARO

FOR SHAVING CREAM AND SKIN SALVE FOR BOWLERS AND SPORTSMEN TO FACILITATE GRIPPING OF ARTICLES IN THE HANDS WHILE PERSPIRING.

Claims use since on or about June 1, 1940, on shaving cream; and since on or about Nov. 1, 1945, on skin salve.

Ser. No. 500,358. BLACKMAN-UHLER CO., Spartanburg, S. C. Filed Apr. 17, 1946.

BUCOLENE

FOR CHEMICAL CLEANING PREPARATION, ESPECIALLY ADAPTED FOR REMOVING LINT, DUST AND OTHER FOREIGN SUBSTANCES FROM COTTON PICKING MACHINES.

Claims use since Aug. 5, 1945.

Ser. No. 503,107. NOLAN C. LOVELL, doing business as The Wingzol Soap Company, Birmingham, Ala. Filed May 31, 1946.

WINGZOL

FOR PERFUMED SOAP, SPOT REMOVER, WINDOW CLEANER, WOODWORK CLEANER, PASTE AND LIQUID SOAPS, LAUNDRY SOAP, SWEEPING COMPOUND, AND LIQUID CLEANER FOR CLEANING FLOORS.

Claims use since July 1930.

Ser. No. 503,355. ANDREW DECAPIO, doing business as Globe Cleaning Co., Mansfield, Ohio. Filed June 6, 1946.

Lustre Ease

The word "Lustre" is disclaimed apart from the mark.
FOR SURFACE CLEANING COMPOUND FOR USE IN CLEANING FLOORS, WOODWORK, LINOLEUM, PORCELAIN, AND OTHER SURFACES.
Claims use since on or about Nov. 1, 1945.

Ser. No. 504,058. HEBER N. MILLER, doing business as The Miller Manufacturing Company, Morton, Ill. Filed June 17, 1946.

HIDDEN TREASURE

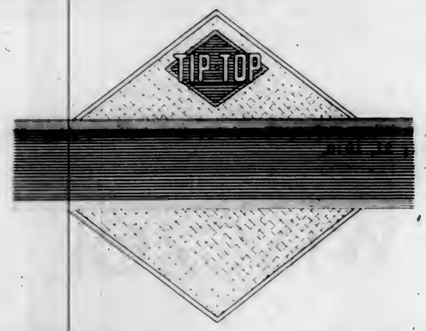
FOR GRANULATED HAND SOAP, WHITE SHOE DRESSING AND SILVER POLISH.
Claims use since Mar. 26, 1940.

Ser. No. 504,928. PHILLIPS PROCESS CO., INC., Rochester, N. Y. Filed July 1, 1946.

EXLIT

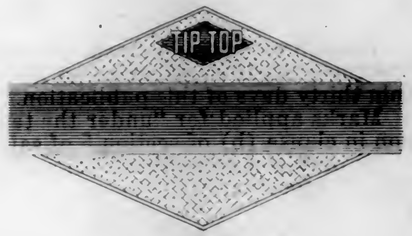
The color lining on the drawing indicates orange.
FOR HAND CLEANER.
Claims use since Feb. 1, 1946.

Ser. No. 506,786. THOMPSON CHEMICAL COMPANY, Pawtucket, R. I. Filed Aug. 2, 1946.



The color lining appearing on the drawing is blue and orange.
FOR CLEANERS COMPRISING SOLVENTS—NAMELY, TAR REMOVERS AND DRY CLEANERS.
Claims use since Oct. 31, 1924.

Ser. No. 506,787. THOMPSON CHEMICAL COMPANY, Pawtucket, R. I. Filed Aug. 2, 1946.



The color lining oppearing on the drawing is blue and orange.
FOR ABRASIVE MATERIALS—NAMELY, VALVE-GRINDING COMPOUNDS.
Claims use since Oct. 31, 1924.

Ser. No. 506,885. MIAMI PRODUCTS AND CHEMICAL COMPANY, Dayton, Ohio. Filed Aug. 5, 1946.

BOL-DEX

The word "Bol" is disclaimed apart from the mark.
FOR PREPARATION FOR CLEANING TOILET BOWLS.
Claims use since October 1934.

Ser. No. 506,902. SHIMBO MANUFACTURING COMPANY, New Orleans, La. Filed Aug. 5, 1946.

SHIMBO

FOR METAL POLISH PARTICULARLY ADAPTED FOR BRASS AND COPPER.
Claims use since July 20, 1946.

Ser. No. 506,947. LEWIS-HUBBARD CORPORATION, Charleston, W. Va. Filed Aug. 6, 1946.

Conquest

FOR HOUSEHOLD CLEANSING POWDER, TOILET SOAP, SOAP POWDER, AND WATER SOFTENER AND WASHING COMPOUND HAVING INCIDENTAL WATER-SOFTENING PROPERTIES.
Claims use since 1937 on toilet soap; since 1938 on household cleansing powder; and since 1943 on water softener and washing compound having incidental water softening properties and soap powder.

Ser. No. 507,041. CALGON, INCORPORATED, Pittsburgh, Pa. Filed Aug. 8, 1946.

transglo

FOR DETERGENT CHEMICAL COMPOUND PRINCIPALLY USED IN WASHING VARIOUS TYPES OF TRANSPORTATION EQUIPMENT SUCH AS TRUCKS, BUSSES, AND RAILWAY CARS.
Claims use since Aug. 2, 1946.

Ser. No. 507,151. SMOOSH MANUFACTURING COMPANY, Los Angeles, Calif. Filed Aug. 9, 1946.

SMOOSH

FOR ALL-PURPOSE HOUSEHOLD CLEANER.
Claims use since July 15, 1946.

Ser. No. 507,813. FISCHER INDUSTRIES, INC., Cincinnati, Ohio. Filed Aug. 22, 1946.

ALUMILENE

FOR CLEANING POWDER FOR CLEANING ALUMINUM, ALUMINUM PLATE, AND ALUMINUM FINISHES.
Claims use since Oct. 1, 1939.

Ser. No. 507,872. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Aug. 22, 1946.

W. L. G.

FOR ALKALINE DETERGENT COMPOSITION, PARTICULARLY ADAPTED FOR USE AS A CLEANER FOR METALS, FLOORS, AND CEMENT SURFACES.
Claims use since on or about Mar. 8, 1938.

Ser. No. 508,279. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Aug. 30, 1946.

TUMBLIN TIM

FOR SHOE POLISH.
Claims use since Feb. 14, 1946.

Ser. No. 508,338. SWEL PRODUCTS COMPANY, Salt Lake City, Utah. Filed Aug. 30, 1946.

SWEL

FOR ALL-PURPOSE HOUSEHOLD WASHING COMPOUND.
Claims use since July 7, 1946.

Ser. No. 508,539. METAL TEXTILE CORPORATION, West Orange, N. J. Filed Sept. 5, 1946.

NICKLTEX

FOR CLEANER DEVICES MADE OF KNITTED METALLIC MESH.
Claims use since July 31, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 481,435. SAENZ, BRIONES & CIA, Buenos Aires, Argentina. Filed Mar. 28, 1945.

Rêve fleuri

FOR PERFUMES; PERFUME EXTRACTS, ESSENCES, AND LOTIONS; FOR COSMETIC AND TOILET GOODS USE.
Claims use since Oct. 13, 1931.

Ser. No. 486,629. POPULAR HOME PRODUCTS CORP., doing business as Natrasan Company, New York, N. Y. Filed Aug. 2, 1945.

Natrasan

FOR LAXATIVES.
Claims use since July 2, 1945.

Ser. No. 489,511. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y., assignor to Maurella Products Company, Inc., New York, N. Y., a corporation of New York. Filed Oct. 6, 1945.



The drawing is lined to denote the colors, blue, green, and red. The portraits on the drawing are of deceased historical Russian figures, and, reading from top to bottom, the names are: Ivan Troubin, Peter Betvin, Katarina Beninger, and Orloff.

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, FACE BLEACHES, LIQUID ROUGES, FACE PACKS, SKIN WHITENER IN LIQUID AND SOLID FORMS, EYEBROW AND EYELASH GROWER, EYE DROPS, EYEBROW PENCILS, HAND LOTIONS, SKIN LOTIONS, AFTER-SHAVING LOTIONS, POMADES, FACE POWDERS, TALCUM POWDERS, BODY POWDER, CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS, PACKAGES CONTAINING SACHET POWDER, HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIPSTICKS, INCENSE, TOOTH PASTES, MOUTH WASHES, DENTIFRICES, DEPILATORIES, TOOTH POWDER, NAIL POWDER, NAIL CREAMS, NAIL POLISHES, NAIL BLEACHES, WITCH HAZEL PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, CORN SALVES, DEODORANTS, BAY RUM, PERFUMES, TOILET WATERS, EAU DE COLOGNES, AND FACE LOTIONS.
Claims use since May 1, 1924.

Ser. No. 497,184. KENROSA LIMITED, London, England. Filed Feb. 25, 1946.

KENROSA

FOR TOILET PREPARATIONS, COSMETICS, AND PERFUMERY—NAMELY, BRILLIANTINE, BAY RUM, HAIR DRESSING, AFTER-SHAVE LOTION, PREPARATION FOR USE IN SETTING WAVES IN THE HAIR, EAU DE TOILETTE, LAVENDER WATER, SOLID BRILLIANTINE, HAIR CREAM, EAU DE COLOGNE, DRY SHAMPOO, THEATRICAL CREAM AND TALC POWDER.
Claims use since 1917.

Ser. No. 499,931. WHORTON PHARMACAL CO., Gadsden, Ala. Filed Apr. 9, 1946.

SULFO-LO

FOR PREPARATION FOR TREATMENT OF SKIN CONDITIONS, SPECIFICALLY ACNE, ACNE ROSEACEA, SCABIES AND ALLIED DERMATOSES.
Claims use since June 3, 1935.

Ser. No. 500,072. GALLOWHUR CHEMICAL CORPORATION, Reading, Vt., and New York, N. Y., assignor to Gallowhur Chemical Corporation, a corporation of New York. Filed Apr. 12, 1946.

SKIL

FOR INSECTICIDES, GERMICIDES, DISINFECTANTS, AND DEODORANTS.
Claims use since Jan. 23, 1946.

Ser. No. 500,774. MAURICE ROUSSEL, doing business as Parfumerie Silka, Paris, France. Filed Apr. 23, 1946.

Coty de Paris

No claim is made to the word "Paris" apart from the mark as shown.
FOR PERFUMES, TOILET WATERS, ROUGES, LIPSTICK, FACE POWDER, TALCUM POWDER, AND FACE LOTION.
Claims use since January 1946.

Ser. No. 500,827. RHODES PHARMACAL CO., INC., Cleveland, Ohio. Filed Apr. 24, 1946.

EMDRIN

FOR PREPARATION FOR THE TREATMENT OF ARTHRITIS AND RHEUMATISM, SAID PREPARATION CONTAINING THIAMIN CHLORIDE, ACETYL SALICYLIC ACID, MANGANESE SALICYLATE, AND CAFFEINE.
Claims use since Feb. 8, 1946.

Ser. No. 501,529. THE PARK KILBURN DRUG CO., Brooklyn, N. Y. Filed May 6, 1946.

Petitone

FOR PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF EPILEPSY, MADE UP IN BOTH TABLET AND LIQUID FORM.
Claims use since Jan. 15, 1930.

Ser. No. 502,925. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed May 28, 1946.

DEXEDRINA

FOR PHARMACEUTICAL PREPARATION—NAMELY, MEDICINE FOR STIMULATING THE CENTRAL NERVOUS SYSTEM, CONTROL OF APPETITE AND TREATMENT OF OBESITY.
Claims use since May 10, 1946.

Ser. No. 503,578. KOLAR LABORATORIES, INC., Chicago, Ill. Filed June 10, 1946.

KWITZ

FOR ANTIPRURITIC CREAM ADAPTED FOR ALLEVIATION OF ITCH.
Claims use since June 1, 1946.

Ser. No. 503,579. KOPPERS COMPANY, INC., Kearny, N. J. Filed June 10, 1946. Under section 5b of the act of 1905 as amended in 1920.

WHITE TAR

FOR LAVENDER SCENTED NAPHTHALENE FLAKES; ROSE, PINE AND LAVENDER SCENTED NAPHTHALENE CAKES; CAMPHOR-TREATED NAPHTHALENE CAKES; ROSE AND CEDAR SCENTED NAPHTHALENE CRYSTALS; PARADICHLOROBENZENE; PARADICHLOROBENZENE NUGGETS, BALLS, AND CAKES; PARADICHLOROBENZENE FLAKES AND BLOCKS.
Claims use since 1918.

Ser. No. 504,128. HARRY D. PASACHOFF, New York, N. Y. Filed June 18, 1946.

CRADLE

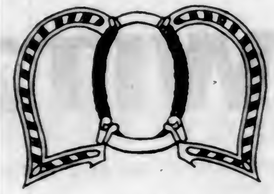
FOR MEDICINAL OINTMENT PREPARATION FOR THE SCALP.
Claims use since June 4, 1946.

Ser. No. 506,998. GENERAL DRUG COMPANY, New York, N. Y. Filed Aug. 7, 1946.

ESTABLISHED 1910 GD AROMATICS DIVISION

No claim is made to the words "Aromatics Division" and "Established 1910" apart from the mark as shown.
FOR AROMATIC CHEMICALS, ESSENTIAL OILS AND FLAVOR MATERIAL FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since May 13, 1946.

Ser. No. 507,760. DAVID THALL, doing business as Thall's Home Remedies, Manchester, N. H. Filed Aug. 21, 1946.



FOR COUGH SYRUP TO RELIEVE DRY COUGH DUE TO MILD COLDS; A MILD STIMULANT DIURETIC TO THE KIDNEYS; AN IRON RESTORATIVE TONIC; A NERVE TONIC; A MILD DIGESTIVE, INDICATED AS A STOMACHIC TO RELIEVE MINOR BILIOUS COLIC AND FOR OCCASIONAL DIARRHOEA; A PREPARATION TO RELIEVE MINOR MUSCULAR ACHING PAINS AND SIMPLE NEURALGIA; A NUTRITIVE TONIC; A LAXATIVE AND FOR OCCASIONAL CONSTIPATION; A MILD ALTERATIVE INDICATED FOR MINOR SKIN IRRITATIONS AND MINOR ACNE; A PREPARATION USED AS A ROUND WORM EXPELLER AND A MILD LAXATIVE; A MILD RESTORATIVE TONIC AND A MILD STIMULANT; A PREPARATION TO RELIEVE BRONCHIAL IRRITATIONS AND FOR DISORDERS OF RESPIRATION DUE TO MILD COLDS; A VEGETABLE COMPOUND, INDICATED AS A VEGETABLE TONIC; A FEEBLE DIURETIC; A LINIMENT TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA AND SPRAINS; A PREPARATION USED FOR SCALP TREATMENT, INDICATED TO REMOVE DANDRUFF, TO SOFTEN DRY SCALY SCALP, TO RELIEVE ITCHING, AND TO KEEP THE HAIR IN PLACE; AN OINTMENT TO RELIEVE ITCHING PIMPLES AND AS A RELIEF FOR MINOR ACNE AND MINOR SKIN IRRITATIONS; AN OINTMENT TO RELIEVE ITCHING AND BURNING OF MINOR ECZEMA, PIMPLES, SUNBURN, AND MINOR SKIN IRRITATIONS; AN OINTMENT TO RELIEVE MINOR ACHING PAINS, ITCHING AND MINOR IRRITATIONS OF THE RECTUM; AN OINTMENT TO RELIEVE MINOR SKIN IRRITATIONS AND AS AN APPLICATION FOR MINOR WOUNDS AND MINOR CUTS; AN OINTMENT TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA AND SPRAINS; TABLETS INDICATED TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA, AND HEADACHES DUE TO MILD COLDS; EFFERVESCENT TABLETS, INDICATED AS A MILD DIURETIC AND URINARY ANTISEPTIC; TABLETS INDICATED TO RELIEVE MILD INDIGESTION AND GAS; POWDER USEFUL FOR NOSE AND THROAT SPRAYS AND MINOR IRRITATIONS OF THE THROAT EFFECTED BY MILD COLDS; FOOT POWDER USEFUL TO ELIMINATE FOOT ODOR, TO ABSORB SKIN MOISTURE FROM TENDER FEET; POWDER USEFUL AS A MILD ANTISEPTIC FOR A DOUCHE OR A WASH; NOSE AND THROAT INHALANT USEFUL FOR NOSE AND THROAT SPRAYS TO RELIEVE IRRITABLE CONDITIONS OF THE NOSE AND THROAT DUE TO MILD COLDS; EARACHE DROPS AND TOOTHACHE DROPS.

Claims use since Jan. 15, 1929.

Ser. No. 508,080. WM. R. WHITTAKER CO., LTD., Los Angeles, Calif. Filed Aug. 26, 1946.

STARLAC

FOR NAIL ENAMEL AND NAIL ENAMEL REMOVER.
Claims use since Aug. 20, 1946.

Ser. No. 508,132. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Aug. 27, 1946.

DEENAX

FOR ANTIOXIDANT FOR RUBBER.
Claims use since July 24, 1946.

Ser. No. 508,211. MARY B. DZIEDZIC, doing business as Delday Mfg. Co., Niagara Falls, N. Y. Filed Aug. 29, 1946.

DELDAY

FOR COSMETICS—TO WIT, CLEANSING CREAM.
Claims use since June 18, 1946.

Ser. No. 508,247. ROCKFORD PROPANE COMPANY, Rockford, Ill. Filed Aug. 29, 1946.

Rockane

FOR LIQUID PETROLEUM GAS FOR COOKING, HEATING, REFRIGERATION, AND INDUSTRIAL USES.
Claims use since Feb. 15, 1946.

Ser. No. 508,416. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

FURIOUS

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER, AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 508,417. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

ARROGANT

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER, AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 508,419. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

ROLLICKING

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 508,421. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

POUTING

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 508,422. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 3, 1946.

BEGUILING FUCHSIA

No claim is made to the word "Fuchsia" alone.
FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER AND SHAMPOO.
Claims use since July 24, 1945.

Ser. No. 508,473. ROSARIA MARIA CATHERINE FOSCOLO, Paris, France. Filed Sept. 4, 1946.

NUIT DE DECEMBRE

FOR PERFUMES, TOILET WATERS, FACE AND BODY CREAMS, ROUGE, AND LIPSTICKS.
Claims use since Aug. 28, 1946.

Ser. No. 508,661. LE CERT PERFUMES, Milwaukee, Wis. Filed Sept. 7, 1946.

Dating

FOR PERFUMES.
Claims use since Jan. 12, 1946.

Ser. No. 508,846. HYDRO-SUL CHEMICAL COMPANY, Newark, N. J. Filed Sept. 11, 1946.

HYDRO-SUL

FOR LIQUID PREPARATION CONTAINING COLLOIDAL SULPHUR FOR EXTERNAL USE IN SULPHUR BATHS, PACKS, LOTIONS AND THE LIKE IN THE TREATMENT OF ARTHRITIS, RHEUMATISM, SWOLLEN JOINTS AND OTHER CONDITIONS WHERE THE USE OF SULPHUR IS INDICATED.
Claims use since Jan. 2, 1935.

Ser. No. 508,968. BOYLE AND COMPANY, Los Angeles, Calif. Filed Sept. 13, 1946.

ZALBEN

FOR OINTMENT FOR TREATMENT OF ATHLETE'S FOOT AND FUNGUS INFECTIONS.
Claims use since June 6, 1940.

Ser. No. 508,994. THE GLAND-O-LAC COMPANY, Omaha, Nebr. Filed Sept. 13, 1946.

ARCOL

FOR DRINKING WATER PREPARATION TO HELP IN THE PREVENTION OR CONTROL OF CECAL COCCIDIOSIS IN CHICKENS, IN CONNECTION WITH SANITATION.
Claims use since Apr. 6, 1946.

Ser. No. 509,113. M. C. WENTZ, doing business as M. C. Wentz Co., Pasadena, Calif. Filed Sept. 14, 1946.

LITTLE DOGIE

FOR COLOGNE AND AFTER-SHAVE LOTION.
Claims use since Aug. 26, 1946.

Ser. No. 509,114. M. C. WENTZ, doing business as M. C. Wentz Co., Pasadena, Calif. Filed Sept. 14, 1946.

WESTERNER

FOR AFTER-SHAVE LOTION.
Claims use since Aug. 26, 1946.

Ser. No. 509,117. M. C. WENTZ, doing business as M. C. Wentz Co., Pasadena, Calif. Filed Sept. 14, 1946.



FOR COLOGNE AND AFTER-SHAVE LOTION.
Claims use since Aug. 26, 1946.

Ser. No. 509,119. PETER G. WHITE, doing business as Whitemark Drug Co., New York, N. Y. Filed Sept. 14, 1946.

WHITEMARK

FOR PREPARATION FOR DANDRUFF AND OTHER CONDITIONS LEADING TO PREMATURE LOSS OF HAIR.
Claims use since Aug. 28, 1946.

Ser. No. 509,163. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Sept. 16, 1946.

SULFONASOL

FOR SUSPENSION OF SULFADIAZINE FOR USE AS A PROPHYLACTIC AND THERAPEUTIC AGENT.
Claims use since Apr. 23, 1946.

Ser. No. 509,369. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Sept. 19, 1946.

NEBUTABS

FOR MEDICINAL SPRAY FOR TREATMENT OF ASTHMA.
Claims use since Aug. 5, 1946.

Ser. No. 509,370. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed Sept. 19, 1946.

VAPONETS

FOR MEDICINAL SPRAY FOR TREATMENT OF ASTHMA.
Claims use since Aug. 5, 1946.

Ser. No. 509,728. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Sept. 25, 1946.

ESKACEL

FOR PHARMACEUTICAL PREPARATIONS, MORE PARTICULARLY A LAXATIVE.
Claims use since July 26, 1946.

Ser. No. 509,729. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Sept. 25, 1946.

ESKAGEL

FOR PHARMACEUTICAL PREPARATIONS, MORE PARTICULARLY A LAXATIVE.
Claims use since July 26, 1946.

Ser. No. 509,760. THE DRUG PRODUCTS CO., INC., New York and Long Island City, N. Y. Filed Sept. 26, 1946.

AMINOPROD

FOR PHARMACEUTICAL PREPARATION—NAMELY, PROTEIN HYDROLYSATE FORTIFIED WITH VITAMINS AND MINERALS FOR ORAL APPLICATION.
Claims use since July 12, 1946.

Ser. No. 510,323. LANOLIN PLUS COSMETICS, INC., Chicago, Ill. Filed October 5, 1946.

LANOPLUS

LIPSTICK, ROUGE, FACE POWDER, FACE CREAM, HAND CREAM, CLEANSING CREAM, FACIAL MAKE-UP, SHAMPOO, AND PERFUME.
Claims use since Aug. 12, 1942.

Ser. No. 510,543. ROBERT LEURENT PARFUMEUR, SOCIÉTÉ À RESPONSIBILITÉ LIMITÉE, Paris, France. Filed Oct. 9, 1946.

TENDRE ACCORD

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since July 26, 1944.

Ser. No. 510,588. HENRY M. HALLETT, Ludington, Mich., assignor to Gayle L. Joslin, Hart, Mich. Filed Oct. 10, 1946.

H. M. H.

FOR EMBALMING FLUID.
Claims use since Apr. 16, 1934.

Ser. No. 510,590. HENRY M. HALLETT, Ludington, Mich., assignor to Gayle L. Joslin, Hart, Mich. Filed Oct. 10, 1946.

Maiden Blush

FOR EMBALMING FLUID.
Claims use since Oct. 4, 1935.

Ser. No. 510,591. HENRY M. HALLETT, Ludington, Mich., assignor to Gayle L. Joslin, Hart, Mich. Filed Oct. 10, 1946.

FORMULA B-X

Applicant disclaims use of the word "Formula" apart from the mark.
FOR EMBALMING FLUID.
Claims use since July 1, 1938.

Ser. No. 510,627. U. S. VITAMIN CORPORATION, New York, N. Y. Filed Oct. 10, 1946.

AMIPRAL

FOR BRAND OF PROTEIN HYDROLYSATES PROVIDING AMINO ACIDS AND POLYPEPTIDES DERIVED FROM PROTEINS OF ANIMAL AND VEGETABLE SOURCES, TO BE USED AS A PROTEIN SUPPLEMENT IN NUTRITION AND FOR THERAPEUTIC USE IN INCREASING THE AMINO ACID INTAKE.
Claims use since Jan. 29, 1946.

Ser. No. 510,757. AVON PRODUCTS, INC., New York, N. Y. Filed Oct. 12, 1946.

FAIRY TALE RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICKS, ROUGES, AND NAIL POLISH.
Claims use since Sept. 19, 1946.

Ser. No. 510,758. AVON PRODUCTS, INC., New York, N. Y. Filed Oct. 12, 1946.

STORY BOOK RED

No claim is made to the word "Red" apart from the mark as shown.
FOR LIPSTICKS, ROUGES, AND NAIL POLISH.
Claims use since Sept. 19, 1946.

Ser. No. 510,884. DIAMOND CHEMICAL COMPANY, Corsicana, Tex. Filed Oct. 15, 1946.

Dermz

FOR OINTMENT USED IN THE RELIEF OF ATHLETE'S FOOT.
Claims use since Mar. 20, 1946.

Ser. No. 511,062. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Oct. 18, 1946.

GAMTONE

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES AND FUMIGANTS, AND ANIMAL REPELLENTS.
Claims use since Sept. 18, 1946.

Ser. No. 511,063. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Oct. 18, 1946.

GAMMATONE

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND FUMIGANTS, AND ANIMAL REPELLENTS.
Claims use since Sept. 18, 1946.

Ser. No. 511,217. HOSPITAL LIQUIDS, INC., Chicago, Ill. Filed Oct. 21, 1946.

SUXAN

FOR DIURETIC FOR PARENTERAL AND ORAL USE ISSUED ON THE PRESCRIPTION OF A PHYSICIAN.
Claims use since Oct. 14, 1946.

Ser. No. 511,241. PERSON AND COVEY, Los Angeles, Calif. Filed Oct. 21, 1946.

Prominogen

FOR PHARMACEUTICAL PREPARATION TO BE USED AS A SUPPLEMENT IN TREATMENT OF NITROGEN DEFICIENCY, AND WHICH INCLUDES ENZYMATIC PROTEIN HYDROLYSATE.
Claims use since Apr. 1, 1946.

Ser. No. 511,264. COMMON SENSE MANUFACTURING CO., INC., Buffalo, N. Y. Filed Oct. 22, 1946.

COMMON SENSE



FOR PREPARATIONS FOR DESTROYING RATS, MICE, AND OTHER VERMIN.
Claims use since 1891.

Ser. No. 511,265. COMMON SENSE MANUFACTURING CO., INC., Buffalo, N. Y. Filed Oct. 22, 1946.

"C.S."



FOR PREPARATIONS FOR DESTROYING RATS, MICE, AND OTHER VERMIN.
Claims use since 1925.

Ser. No. 511,346. MALLON CHEMICAL CORP., New York, N. Y. Filed Oct. 23, 1946.

RECTALGAN

FOR LIQUID PREPARATION FOR RELIEF OF PAIN, INFLAMMATION AND DISTRESS IN THE RECTUM AND SURROUNDING REGIONS, ALSO FOR TOPICAL APPLICATION IN LOCALIZED IRRITATION.
Claims use since Sept. 16, 1946.

Ser. No. 512,108. COMMON SENSE MANUFACTURING CO., INC., Buffalo, N. Y. Filed Nov. 6, 1946.

COMMON SENSE

FOR PREPARATIONS FOR DESTROYING RATS, MICE, ROACHES, BEDBUGS, AND OTHER VERMIN AND INSECTS.
Claims use since about 1891.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 509,804. URIS SALES CORP., New York, N. Y. Filed Sept. 26, 1946.

URISLITE

FOR COMBINATION CIGARETTE LIGHTERS AND CIGARETTE CASES.
Claims use since Aug. 1, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 506,949. LEWIS-HUBBARD CORPORATION, Charleston, W. Va. Filed Aug. 6, 1946.

Conquest

FOR MATCHES.
Claims use since 1937.

CLASS 10

FERTILIZERS

Ser. No. 504,351. STANLEY A. GERMAIN, doing business as Sultech Distributing Co., Glendale, Calif. Filed June 21, 1946.

SUL-TECH

FOR FERTILIZERS FOR STIMULATING AND NOURISHING THE GROWTH OF PLANTS.
Claims use since Feb. 20, 1946.

Ser. No. 511,806. PETRUS JACOBUS GEERLINGS, doing business as Geerlings Feed Mills, Waterloo, Iowa. Filed Oct. 31, 1946.

TAILORMADE

FOR COMMERCIAL FERTILIZERS.
Claims use since 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 510,214. STANDARD ALCOHOL COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 3, 1946.

petrohol

FOR SOLVENT MATERIAL FOR USE IN THE MANUFACTURE OF INKS.
Claims use since Dec. 22, 1919.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 517,554. CONTINENTAL BASIC MATERIALS CORPORATION, Chula Vista, Calif. Filed Feb. 15, 1947.



FOR LIGHT WEIGHT AGGREGATE OF EXPANDED PERLITE, ADAPTED FOR USE WITH CEMENT, GYPSUM, OR PLASTIC BINDERS.
Claims use since Jan. 25, 1946.

Ser. No. 517,949. THE AMERICAN FLURESIT COMPANY, Cincinnati, Ohio. Filed Feb. 24, 1947.

FLURESEAL

FOR HYDRAULIC COMPOUNDS FOR COATING SURFACES OF MASONRY STRUCTURES, SUCH AS CONCRETE, BRICK, STONE, STUCCO AND THE LIKE TO WATERPROOF, DAMPPROOF AND DECORATE SAME; AND FOR FILLING JOINTS, CREVICES, AND HOLES IN THE MASONRY STRUCTURES.
Claims use since about June 1941.

Ser. No. 517,950. THE AMERICAN FLURESIT COMPANY, Cincinnati, Ohio. Filed Feb. 24, 1947.

FLURETEX

FOR HYDRAULIC CEMENT BASE OR COMPOUNDS FOR COATING SURFACES OF MASONRY STRUCTURES, SUCH AS CONCRETE, BRICK, STONE, STUCCO, AND THE LIKE, TO WEATHERPROOF, DAMPPROOF AND DECORATE SAME.
Claims use since about January 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 506,559. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Filed July 30, 1946.

CARBORTAM

FOR FERROUS AND A NON-FERROUS ALLOY.
Claims use since November 1942.

Ser. No. 506,625. ACE MANUFACTURING CORPORATION, Philadelphia, Pa. Filed Aug. 1, 1946.

ACE

FOR UNFINISHED OR PARTIALLY FINISHED METAL STAMPINGS, CASTINGS, AND FORGINGS.
Claims use since August 1931.

Ser. No. 507,464. COMBINED METALS REDUCTION COMPANY, Salt Lake City, Utah. Filed Aug. 15, 1946.

PIUTE

FOR ZINC SLABS.
Claims use since May 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,249. BERKEY E. COVER, SR., doing business as Electra Vision, Chicago, Ill.; Berkey E. Cover, Jr., administrator of said Berkey E. Cover, Sr., deceased. Filed June 7, 1945.

Electra-Vision

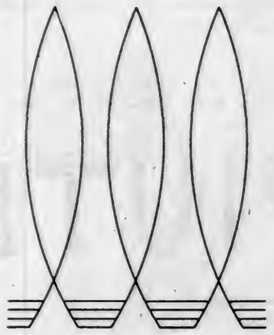
No claim is made to the term "Vision" apart from the mark shown.
FOR ELECTRICAL EQUIPMENT—NAMELY, RADIO TRANSMITTERS AND RECEIVERS AND PARTS THEREFOR INCLUDING SPECIAL RESISTANCES, COILS, VACUUM TUBES, CONDENSERS, AND SPECIAL HIGH-FREQUENCY COILS.
Claims use since about Nov. 3, 1944.

Ser. No. 500,212. GENERAL MOLDED PRODUCTS INC., Des Plaines, Ill. Filed Apr. 15, 1946.

GMP

FOR MOLDED PLASTIC INDUSTRIAL PRODUCTS, CASES FOR ELECTRICAL INSTRUMENTS, SUPPORTS AND/OR BASES FOR ELECTRICAL INSTRUMENTS, AND STRUCTURAL PARTS FOR ELECTRICAL APPARATUS—NAMELY, ROTOR SHAFTS, FACE PLATES AND DIALS, FOR ELECTRICAL APPARATUS.
Claims use since Aug. 1, 1940.

Ser. No. 505,360. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Filed July 10, 1946.



FOR ELECTRIC HOME APPLIANCES—NAMELY, ELECTRIC AUTOMATIC POP-UP TOASTERS AND ELECTRIC AUTOMATIC WAFFLE IRONS.
Claims use since June 15, 1939.

Ser. No. 510,405. ROBESON ROCHESTER CORPORATION, Rochester, N. Y. Filed Oct. 7, 1946.

Royal Rochester

The word "Rochester" is disclaimed apart from the mark as shown.
FOR VARIOUS ELECTRICAL APPLIANCES—NAMELY, TOASTERS, WAFFLE IRONS, KITCHEN GRILLES, ELECTRIC IRONS, SPACE HEATERS, PERCOLATORS, TEA AND COFFEE SETS.
Claims use since Jan. 1, 1913.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 504,075. SKY WAY MFG. CO., New York, N. Y. Filed June 17, 1946.



The representation of the male figure forming a feature of the trade-mark is fanciful. No claim is made to the word "Coaster" apart from the mark shown.
FOR TOY COASTER WAGONS.
Claims use since Mar. 4, 1946.

Ser. No. 504,857. PAUL L. MUELLER, doing business as Mueller Mfg. Co., Glendale, Calif. Filed June 29, 1946.

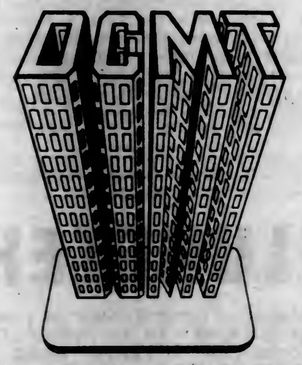
E-Z RIDE

No claim to the word "Ride" apart from the mark is made.
FOR SPRING HOBBY HORSE.
Claims use since Oct. 25, 1943.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,118. DIE CASTING MACHINE TOOLS LTD., London, England. Filed Aug. 14, 1945.



FOR DIE CASTING MACHINES AND PARTS THEREOF.
Claims use since Sept. 27, 1940.

Ser. No. 500,245. PREFERRED PRODUCTS COMPANY, Toledo, Ohio. Filed Apr. 15, 1946.

PRECO

FOR BOLT AND NUT WRENCHES FOR TRANSMITTING TORQUE THERETO.
Claims use since Apr. 8, 1946.

Ser. No. 505,997. A AND A MANUFACTURING COMPANY, Chicago, Ill. Filed July 22, 1946.



Applicant disclaims the representation of a rake, and the map of the United States, and the term "Sweeps," apart from the mark.
FOR GARDEN TOOLS—NAMELY, RAKES, WEEDERS, AND CULTIVATORS.
Claims use since June 1938.

Ser. No. 511,875. HEPWORTH MACHINE COMPANY, INC., New York and Long Island City, N. Y. Filed Nov. 1, 1946. Under 10-year proviso.

HEPWORTH

FOR CENTRIFUGAL MACHINES FOR SEPARATING SOLIDS FROM LIQUIDS AND FOR APPARATUS USED IN THE MANUFACTURE OF SUGAR INCLUDING, SEPARATING APPARATUS USED IN HEAT TREATMENT OF SUGAR MASSECUITE, MIXER GATES, AUTOMATIC CONTROL MACHINERY, SYRUP SEPARATORS, WATER COOLED BRAKE MECHANISMS, UNLOADERS FOR DISCHARGING SUGAR OR OTHER GRANULATED MATERIALS FROM CENTRIFUGAL MACHINES, AND PARTS THEREFOR.
Claims use since 1868.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 488,965. LONDEX LIMITED, London, England. Filed Sept. 25, 1945.

LONDEX

FOR METERS FOR ELECTRICITY, METERS FOR GASES, FLOW METERS FOR LIQUIDS, INSTRUMENTS FOR INDICATING OR MEASURING THE LEVEL OF A LIQUID IN A TANK OR CONTAINER, TIMING DEVICES FOR INITIATING THE OPERATION OF MACHINES AFTER PREDETERMINED INTERVALS OR FOR PREDETERMINED PERIODS, NON-ELECTRIC LIGHT SENSITIVE RELAYS, THERMO-ELECTRIC RELAYS AND PARTS THEREOF, AND ELECTRIC LIGHT SENSITIVE RELAYS AND PARTS THEREOF.
Claims use since Dec. 24, 1937.

Ser. No. 513,489. THE BREARLEY COMPANY, Rockford, Ill. Filed Nov. 30, 1946.

COUNSELOR

FOR WEIGHING SCALES.
Claims use since Oct. 10, 1933.

Ser. No. 513,860. ZYLITE OPTICAL CO. INC., New York, N. Y. Filed Dec. 6, 1946.

Girl Friday

FOR EYEGLASS FRAMES.
Claims use since Nov. 22, 1946.

Ser. No. 514,004. GEORGE M. CARSON, doing business as Apex Specialties Company, New York, N. Y. Filed Dec. 11, 1946.

EXECUTIVE

FOR SUN GLASSES.
Claims use since July 2, 1946.

Ser. No. 514,005. GEORGE M. CARSON, doing business as Apex Specialties Company, New York, N. Y. Filed Dec. 11, 1946.

STARDUST

FOR SUN GLASSES.
Claims use since July 2, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 514,174. EDWARD BRAUN, doing business as Eulene Pearlcrafters, New York, N. Y. Filed Dec. 13, 1946.



FOR SYNTHETIC PEARLS.
Claims use since Nov. 1, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 506,302. THE FULLER BRUSH COMPANY, Hartford, Conn. Filed July 26, 1946.

Fullermatic

FOR TOOTHBRUSHES.
Claims use since Mar. 1, 1945.

Ser. No. 513,355. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

EXTRA JAPO

Applicant disclaims the use of the word "Extra" as part of the mark except when used in connection with the word "Japo."
FOR FLAT VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since Jan. 1, 1930.

Ser. No. 513,358. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Nov. 27, 1946.

MASCOT

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since Jan. 1, 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 511,014. GLOSTEX PRODUCTS, INC., Chicago, Ill. Filed Oct. 17, 1946.

EMPRESS

FOR UPHOLSTERY COVERS.
Claims use since about Oct. 1, 1941.

Ser. No. 511,465. GLOSTEX PRODUCTS, INC., Chicago, Ill. Filed Oct. 25, 1946.

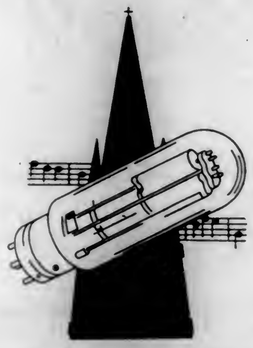
COUNTESS

FOR UPHOLSTERY COVERS.
Claims use since about Oct. 10, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 506,969. SCHULMERICH ELECTRONICS, INC., Sellersville, Pa. Filed Aug. 6, 1946.



The representation of the electronic tube apart from the mark is disclaimed.
FOR ELECTRICALLY OPERATED CARILLONS OR CHIMES, AND MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Sept. 30, 1940.

Ser. No. 509,253. TEEN-TIMERS, INC., New York, N. Y. Filed Sept. 17, 1946.

Teentimer

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since Aug. 19, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 493,808. NORCROSS, New York, N. Y. Filed Dec. 22, 1945.

BUTCH

FOR GREETING LETTER AND NOTE PAPER.
Claims use since May 15, 1945.

Ser. No. 506,538. A. MEYERS & SONS CORP., New York, N. Y. Filed July 30, 1946.

LANCE

FOR PIN TICKETS, CHALK, RUBBER BANDS, PAPER CLIPS, THUMB TACKS, PAPER ROUND-HEAD FASTENERS OF BASE METAL USED FOR FASTENING PAPER TOGETHER, AND BLANK OR PARTIALLY PRINTED TAGS.
Claims use since January 1936.

Ser. No. 509,731. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Sept. 25, 1946.

MOHICAN

FOR KRAFT WRAPPING PAPER.
Claims use since July 27, 1946.

CLASS 39

CLOTHING

Ser. No. 503,356. DERETA, London, England. Filed June 6, 1946.

deréta

FOR WOMEN'S COATS AND COSTUMES AND SLACKS, SHORTS, SKIRTS, DRESSES, AND BLOUSES.
Claims use since Mar. 6, 1941.

Ser. No. 503,762. ELMER E. SHAFFER, doing business as Clover Cravat Company, Philadelphia, Pa. Filed June 12, 1946.

FASHION ROW

The word "Fashion" is disclaimed apart from the mark.
FOR MEN'S NECKWEAR—NAMELY, NECKTIES.
Claims use since Jan. 1, 1936.

Ser. No. 507,404. JAY-ORIGINALS, INC., Boston, Mass. Filed Aug. 14, 1946.



The word "Casual" is disclaimed apart from the mark as shown. The girl shown on the drawing is a fanciful person.
FOR SKIRTS, SHORTS, SLACKS, JACKETS, SUITS, COATS, DRESSES, AND SHIRTS, FOR WOMEN, MISSES, AND JUNIORS.
Claims use since Apr. 29, 1946.

Ser. No. 511,696. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Oct. 29, 1946.

Mansco

FOR MUFFLERS.
Claims use since Mar. 19, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 512,933. ROSANNE MANUFACTURING COMPANY, INC., York, Pa. Filed Nov. 20, 1946.

Bonnie

FOR BRASSIÈRE REPLACEMENT BACK STRAPS; GIRDLE HOOKS, BRASSIÈRE SHOULDER STRAPS; BRASSIÈRE REPLACEMENT COMBINATION SETS OF BACK AND SHOULDER STRAPS.
Claims use since on or about Feb. 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 502,104. ANGLO FABRICS COMPANY, INC., New York, N. Y. Filed May 15, 1946.

BASQUETINE

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Feb. 4, 1946.

Ser. No. 505,275. AIREDALE WORSTED MILLS, INC., Woonsocket, R. I. Filed July 9, 1946.

SMOKE TREE

FOR FABRICS OF PRINTED TROPICAL CLOTH IN THE PIECE, CONSISTING OF A COMBINATION OF RAYON AND WORSTED FIBERS.
Claims use since June 28, 1946.

Ser. No. 510,147. A. DE PINNA COMPANY, New York, N. Y. Filed Oct. 3, 1946.

FAUNCREST

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Mar. 1, 1946.

Ser. No. 510,189. S. NAITOVE & CO. INC., New York, N. Y. Filed Oct. 3, 1946.

Nylagua

FOR NYLON FABRIC IN THE PIECE.
Claims use since July 26, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 490,992. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 3, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Bemis."

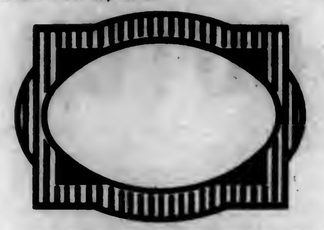


Applicant is the owner of the trade-mark "Bemis," Reg. No. 416,343, dated Sept. 4, 1945, effective under the 10-year proviso. No claim is made to the word "Special" and the representation of the cone, apart from the mark.
FOR SEWING THREADS.
Claims use since Aug. 2, 1922.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 479,995. SOUTHERN DAIRIES, INC., Washington, D. C. Filed Feb. 19, 1945.



Applicant is the owner of Reg. Nos. 212,739, 244,288, 255,050, 265,660, 279,018, and 279,019.
FOR ICE CREAM, ICES, SHERBETS, FROZEN CONFECTIONS, FLUID MILK, BUTTERMILK, CREAM, BUTTER, EGGS, AND FROZEN FRUITS AND VEGETABLES—NAMELY, PINEAPPLE, STRAWBERRIES, KALE, PEACHES, ASPARAGUS CUTS, BRUSSELS SPROUTS, ASPARAGUS TIPS, PEAS, FORDHOOK LIMAS, AND BROCCOLI.
Claims use since 1932.

Ser. No. 501,108. J. V. AZZARELLO, El Centro, Calif. Filed Apr. 29 1946.



FOR FRESH VEGETABLES.
Claims use since Dec. 17, 1945.

Ser. No. 501,956. CONTINENTAL COFFEE COMPANY, INC., Chicago, Ill. Filed May 13, 1946.

FLAVORITE

FOR NOODLE SOUP MIX.
Claims use since Mar. 1, 1915.

Ser. No. 504,719. UNI-COMMERCIAL, INC., New York, N. Y. Filed June 27, 1946.

UnipaC

FOR CANNED FRUIT, DRIED FRUIT, FRUIT PRESERVES, JELLIES, CANNED FRUIT JUICES, CANNED VEGETABLE JUICES, AND CANNED FISH.
Claims use since June 18, 1946.

Ser. No. 511,157. KING KONE CORPORATION, New York, N. Y. Filed Oct. 19, 1946.

LADY MELBA

Applicant disclaims the exclusive right to the use of the word "Melba" apart from the mark.
FOR TOAST.
Claims use since Oct. 11, 1946.

Ser. No. 511,712. VIVA, Lugano, Switzerland. Filed Oct. 29, 1946.

VIVAFORT

FOR SCIENTIFIC BLEND OF COCOA, SUGAR, DEXTROSE, COCOA-BUTTER, AND CEREALS, CONTAINING VITAMINS, MINERALS AND LEAVEN, ADAPTED FOR USE AS A FOOD OR INGREDIENT OF FOODS, FOR INFANTS OR INVALIDS.
Claims use since Aug. 26, 1943.

600 O. G.—24

Ser. No. 511,973. DONALD ANDREWS, Lodi, Calif. Filed Nov. 4, 1946.



The portrait is that of Janice Andrews, the minor daughter of the applicant.
FOR FRESH GRAPES.
Claims use since Sept. 8, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

JULY 15, 1947

431,159. MACHINES FOR WITHDRAWING FROM A SUPPLY OF A NOXIOUS LIQUID MATERIAL, AS CARBON BISULPHIDE CONTAINED IN THE MACHINE, A CHARGE OF SAID MATERIAL AND SPRAYING SAID CHARGE INTO RODENT BURROWS. WHEELER, REYNOLDS & STAUFFER, San Francisco, Calif.
Filed January 11, 1943. Serial No. 457,867. PUBLISHED JUNE 15, 1943. Class 23.

431,160. ELECTRIC BURGLAR ALARMS AND ACCESSORIES SPECIFICALLY ELECTRIC BURGLAR ALARM CONTROL BOXES AND CABINETS, ETC. ARTHUR W. FRUH, doing business as A. W. Fruh & Company, Chicago, Ill.
Filed April 15, 1943. Serial No. 459,905. PUBLISHED FEBRUARY 15, 1944. Class 21.

431,161. WRITING PAPER AND ENVELOPES. CRAZY WATER COMPANY, Mineral Wells, Tex.
Filed November 6, 1943. Serial No. 464,777. PUBLISHED MAY 14, 1946. Class 37.

431,162. SPECIAL VITAMIN A AND VITAMIN D ENRICHED EVAPORATED MILK. THE PAGE MILK CO., Merrill, Wis.
Filed November 24, 1944. Serial No. 476,849. PUBLISHED APRIL 15, 1947. Class 46.

431,163. MACHINE BELTS, MACHINE DRUMS, SIEVES FOR SCREENING, BEING PARTS OF MACHINERY, HYDRAULIC MACHINERY SUCH AS HYDRAULIC PUMP BODIES AND VALVES, AND PARTS THEREOF, PARTICULARLY MACHINERY USED IN CONNECTION WITH THE PUMPING OF BRINE, AND MACHINE TOOLS SUCH AS FORGING AND SWAGING MACHINES, ALL BEING GOODS OF METAL. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England.
Filed December 15, 1944. Serial No. 477,605. PUBLISHED APRIL 8, 1947. Class 23.

431,164. WOOD FILLER. EARL M. WALDORF, doing business as Minnesota Mill Works, St. Paul, Minn.
Filed February 1, 1945. Serial No. 479,317. PUBLISHED MAY 14, 1946. Class 16.

431,165. WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS AND PARTS OF WATCHES AND CLOCKS. MANUFACTURE DES MONTRES UNIVERSAL, PERRET ET BERTHOUD SA., (UNIVERSAL WATCH FACTORY, PERRET & BERTHOUD LTD.), Geneva, Switzerland.
Filed February 8, 1945. Serial No. 479,585. PUBLISHED APRIL 8, 1947. Class 27.

431,166. WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS, AND PARTS OF WATCHES AND CLOCKS. MANUFACTURE DES MONTRES UNIVERSAL, PERRET ET BERTHOUD SA., (UNIVERSAL WATCH FACTORY, PERRET & BERTHOUD LTD.), Geneva, Switzerland.
Filed February 8, 1945. Serial No. 479,587. PUBLISHED APRIL 8, 1947. Class 27.

431,167. WATCHES, STOP WATCHES, ALARM CLOCKS, CLOCKS, AND PARTS OF WATCHES AND CLOCKS. MANUFACTURE DES MONTRES UNIVERSAL, PERRET ET BERTHOUD SA., (UNIVERSAL WATCH FACTORY, PERRET & BERTHOUD LTD.), Geneva, Switzerland.
Filed February 8, 1945. Serial No. 479,588. PUBLISHED APRIL 8, 1947. Class 27.

431,168. STABILIZED ASSIMILABLE IODIDE-CONTAINING SUBSTANCES—NAMELY, POTASSIUM IODIDE WITH UP TO ABOUT TEN PER CENT CALCIUM STEARATE ADDED, FOR USE AS INGREDIENTS OF FEEDS FOR CATTLE, SHEEP, SWINE, DOGS, FOXES, CHICKENS, AND TURKEYS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed March 3, 1945. Serial No. 480,463. PUBLISHED APRIL 22, 1947. Class 46.

431,169. DAIRY PRODUCTS—NAMELY, FRESH MILK, CREAM, CHEESE, AND ICE-CREAM. ARDEN FARMS CO., Los Angeles, Calif.
Filed March 30, 1945. Serial No. 481,515. PUBLISHED APRIL 22, 1947. Class 46.

431,170. MIXTURE OF INGREDIENTS FOR MAKING PANCAKES. COOPERATIVE MILLS, INC., Baltimore, Md.
Filed April 12, 1945. Serial No. 482,051. PUBLISHED APRIL 15, 1947. Class 46.

431,171. DRIED PRUNES, DRIED RAISINS, VINEGAR AND TOMATO CATSUP. B. L. LANCASTER COMPANY, Sacramento, Calif.
Filed April 18, 1945. Serial No. 482,289. PUBLISHED APRIL 15, 1947. Class 46.

431,172. ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS, RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE; AIR HOSE AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS. FRANK GROVES, doing business as Frank Groves Company, San Francisco, Calif.
Filed July 3, 1945. Serial No. 485,409. PUBLISHED April 1, 1947. Class 35.

431,173. ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE; AIR HOSE AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS. FRANK GROVES, doing business as Frank Groves Company, San Francisco, Calif.
Filed July 3, 1945. Serial No. 485,410. PUBLISHED APRIL 1, 1947. Class 35.

431,174. ASBESTOS SHEET PACKING; RUBBER SHEET PACKING; METALLIC PACKING; SEMI-METALLIC PACKING; ASBESTOS, RUBBER, AND RUBBER AND DUCK SPIRAL PACKINGS; FLAX AND HYDRAULIC PACKINGS; STEAM HOSE, AIR HOSE AND WATER HOSE; RUBBER BELTING, LEATHER BELTING AND BALATA BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES; HIGH TEMPERATURE VALVE DISC PACKINGS; AND RING PACKINGS. FRANK GROVES, doing business as Frank Groves Company, San Francisco, Calif.
Filed July 3, 1945. Serial No. 485,411. PUBLISHED APRIL 29, 1947. Class 35.

431,175. GANTRY HOISTS. LA RAY ENGINEERING & EQUIPMENT CO., Milwaukee, Wis.
Filed July 16, 1945. Serial No. 485,873. PUBLISHED APRIL 8, 1947. Class 23.

431,176. COSTUME JEWELRY—NAMELY, BROOCHES, PINS, CLIPS, EARRINGS, BRACELETS, FINGER RINGS, AND NECKLACES; AND BUCKLES AND CLASPS MADE OF SEMI-PRECIOUS METAL. UNICORN PRODUCTS CO., New York, N. Y.
Filed July 16, 1945. Serial No. 485,897. PUBLISHED APRIL 8, 1947. Class 28.

431,177. CLOCKS AND WATCHES. THE RECIPROCAL TRADE CORPORATION, New York, N. Y.
Filed August 21, 1945. Serial No. 487,388. PUBLISHED JANUARY 1, 1946. Class 27.

431,178. ELECTRICAL APPARATUS AND SWITCH EMPLOYED IN COMBINATION WITH AN ELECTRIC MOTOR FOR OPENING AND CLOSING A GATE VALVE, THE APPARATUS AND SWITCH ACTING AUTOMATICALLY TO SHUT OFF THE MOTOR WHEN RESISTANCE TO MOVEMENT OF THE GATE VALVE IN EITHER DIRECTION INCREASES THE TORQUE STRAIN ON THE MECHANISM BEYOND A SAFE OR DESIRED AMOUNT, ADAPTED TO PREVENT THE DEVELOPMENT OF EXCESSIVE TORQUE. VAUGHAN MOTOR COMPANY, Portland, Oreg.
Filed September 27, 1945. Serial No. 489,093. PUBLISHED APRIL 29, 1947. Class 21.

431,179. SHELLED SALTED PEANUTS. CON G. COWAN, doing business as Con Cowan Co., Los Angeles, Calif.
Filed October 26, 1945. Serial No. 490,529. PUBLISHED APRIL 15, 1947. Class 46.

431,180. UMBRELLAS. LYNN UMBRELLA MFG. CO., Boston, Mass.
Filed November 30, 1945. Serial No. 492,447. PUBLISHED APRIL 29, 1947. Class 41.

431,181. TRAY, BOWLS AND BON BON DISHES OF SILVER AND OTHER PRECIOUS AND SEMI-PRECIOUS METAL WARES. ROYAL METAL PRODUCTS COMPANY, New York, N. Y.
Filed December 3, 1945. Serial No. 492,584. PUBLISHED APRIL 8, 1947. Class 28.

431,182. VISCOSIMETER; FALLING DROP APPARATUS FOR MEASURING DENSITY OF BODY FLUIDS; SUB-SIEVE SIZER FOR MEASURING PARTICLE SIZE; WASHING MACHINE FOR CLEANSING LABORATORY GLASSWARE; GRAVITOMETERS; AND VAN SLYKE MANOMETER BLOOD GAS APPARATUS. EIMER AND AMEND, New York, N. Y.
Filed December 29, 1945. Serial No. 494,045. PUBLISHED APRIL 22, 1947. Class 26.

431,183. ELECTRICAL SIGNAL AMPLIFYING AND/OR RELAYING APPARATUS OPERATED BY PHENOMENA DETECTED PHOTOELECTRICALLY OR BY MEANS OF OTHER VARIABLE IMPEDANCE ELEMENTS SUCH AS ELECTRICAL PROBE ELEMENTS IN CONTACT WITH OR DISPOSED TO COME INTO CONTACT WITH AN AGENCY TO BE CONTROLLED; ELECTRICAL PROBE ELEMENTS AND SIMILAR APPARATUS FOR USE WITH SUCH RELAYING AND/OR SIGNAL AMPLIFYING APPARATUS, AND ELECTRICALLY OPERATED ILLUMINATION SOURCES FOR USE WITH SAID SIGNAL AMPLIFYING AND/OR RELAYING APPARATUS WHEN PHOTOELECTRICALLY OPERATED, THE FOREGOING APPARATUS BEING USED FOR CONTROLLING THE CONDITION OF A CONTROLLED CIRCUIT IN ACCORDANCE WITH THE CONDITION OF A DETECTED PHENOMENON AFFECTING THE OPERATING MEANS; ELECTRICAL TIME METERING DEVICES FOR PROVIDING AN ELECTRICAL SIGNAL OR SIGNALS OF A PREDETERMINED TIME DURATION OR DURATIONS SINGLY OR IN A PREDETERMINED SEQUENCE IN RESPONSE TO A CHANGE IN THE CONDITION OF THE INPUT CIRCUIT THEREOF, SAID TIME METERING DEVICES BEING INTENDED FOR USE ALONE OR IN COOPERATION WITH SAID FOREGOING RELAYING AND/OR AMPLIFYING APPARATUS; AND ELECTRICAL EQUIPMENT HOUSINGS AND PARTS AND ACCESSORIES FOR THE FOREGOING APPARATUS AND DEVICES. PHOTOSWITCH INCORPORATED, Cambridge, Mass.
Filed January 7, 1946. Serial No. 494,411. PUBLISHED APRIL 22, 1947. Class 21.

431,184. DOLLS AND ANIMAL TOYS MADE OF FABRIC. TWINZY TOY COMPANY, Battle Creek, Mich.
Filed January 12, 1946. Serial No. 494,717. PUBLISHED APRIL 29, 1947. Class 22.

431,185. LIQUID RESINS FOR CASTING AND IMPREGNATING STRUCTURAL MATERIAL. FURANE PLASTICS AND CHEMICALS COMPANY, Los Angeles, Calif.
Filed January 28, 1946. Serial No. 495,542. PUBLISHED APRIL 8, 1947. Class 1.

431,186. BALANCING ANIMAL TOYS. ALFRED PELZMANN, doing business as Da-Da Toys Company, Chicago, Ill.
Filed February 8, 1946. Serial No. 496,265. PUBLISHED APRIL 29, 1947. Class 22.

431,187. DRY CELLS AND DRY BATTERIES. ADMIRAL CORPORATION, Chicago, Ill.
Filed February 20, 1946. Serial No. 496,940. PUBLISHED APRIL 15, 1947. Class 21.

431,188. TIRE REPAIR UNITS—NAMELY, RUBBER AND FABRIC PATCHES ADAPTED TO BE POSITIONED ON THE INNER SURFACE OF A TIRE CASING. MORGAN TIRE COMPANY, doing business as Morgan, Cincinnati, Ohio.
Filed February 20, 1946. Serial No. 496,977. PUBLISHED APRIL 1, 1947. Class 35.

431,189. BULB SYRINGES, COMBINATION SYRINGES, FOUNTAIN SYRINGES, AND HOT WATER BOTTLES. THE FAULTLESS RUBBER COMPANY, also doing business as Ashland Rubber Works, Ashland, Ohio.
Filed February 27, 1946. Serial No. 497,304. PUBLISHED APRIL 22, 1947. Class 44.

431,190. COMBINATION SYRINGES, FOUNTAIN SYRINGES, AND HOT WATER BOTTLES. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio.
Filed February 27, 1946. Serial No. 497,305. PUBLISHED APRIL 22, 1947. Class 44.

431,191. BABY HOT WATER BOTTLES, HOT WATER BOTTLE SYRINGE ATTACHMENTS, COMBINATION SYRINGES, DOUCHE SYRINGES, EAR SYRINGES, FACE BOTTLES, FOUNTAIN SYRINGES, INFANT SYRINGES, JUNIOR VAGINAL SYRINGES, NURSING BOTTLE COVERS, SYRINGE TUBING LENGTHS, SPONGE RUBBER HOT WATER BOTTLE COVERS, AND HOT WATER BOTTLES. THE FAULTLESS RUBBER COMPANY, also doing business as Ashland Rubber Works, Ashland, Ohio.
Filed February 27, 1946. Serial No. 497,306. PUBLISHED APRIL 22, 1947. Class 44.

431,192. HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES AND CLOCKS. OLLENDORFF WATCH CO. INC., New York, N. Y.
Filed March 2, 1946. Serial No. 497,559. PUBLISHED APRIL 8, 1947. Class 27.

431,193. HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES AND CLOCKS. OLLENDORFF WATCH CO. INC., New York, N. Y.
Filed March 2, 1946. Serial No. 497,560. PUBLISHED APRIL 8, 1947. Class 27.

431,194. WALK-IN COOLERS, STORAGE COOLERS, REACH-IN REFRIGERATORS, DISPLAY CASES, FROZEN FOOD CASES, ALL OF WHICH ARE FOR COMMERCIAL USE ONLY. ED FRIEDRICH, INCORPORATED, San Antonio, Tex.
Filed March 11, 1946. Serial No. 498,001. PUBLISHED APRIL 22, 1947. Class 31.

431,195. CANDY. CLINTON INDUSTRIES, INC., doing business as Veribrite Factory, Chicago, Ill., assignor to Chase Candy Company, a corporation of Missouri.
Filed March 20, 1946. Serial No. 498,597. PUBLISHED APRIL 15, 1947. Class 46.

431,196. TOY XYLOPHONES. DURALTONE TOY COMPANY, INC., Lynbrook, N. Y.
Filed March 20, 1946. Serial No. 498,609. PUBLISHED APRIL 22, 1947. Class 22.

431,197. TOYS CONSTITUTED OF PLASTIC SECTIONS JOINED TOGETHER TO FORM REPRESENTATIONS OF ANIMALS AND PARTS THEREFOR CONSTITUTED OF SUCH PLASTIC SECTIONS AND MEANS FOR JOINING THEM TOGETHER. METRO TOY COMPANY, New York, N. Y.
Filed March 21, 1946. Serial No. 498,708. PUBLISHED APRIL 29, 1947. Class 22.

431,198. WHIRLING TOY INCLUDING A PAIR OF ELEMENTS ON THE FREE ENDS OF A CORD ADAPTED FOR ROTATION IN OPPOSITE DIRECTIONS. ALBERT E. MANOFSKY, Detroit, Mich.
Filed March 22, 1946. Serial No. 498,788. PUBLISHED APRIL 29, 1947. Class 22.

431,199. TOY BANJOS, TOY VIOLINS, AND TOY XYLOPHONES. SORORT MANUFACTURING CO., Brooklyn, N. Y.
Filed March 25, 1946. Serial No. 498,934. PUBLISHED APRIL 29, 1947. Class 22.

431,200. WRITING, DRAWING, AND LETTERING PENS; FOUNTAIN PENS, FEEDS, CAPS AND BARRELS THEREFOR, ETC. THE ESTERBROOK PEN COMPANY, Camden, N. J.
Filed March 29, 1946. Serial No. 499,219. PUBLISHED APRIL 8, 1947. Class 37.

431,201. ELECTRIC IRONS. RADIRON CORPORATION, Miamisburg, Ohio.
Filed March 30, 1946. Serial No. 499,351. PUBLISHED APRIL 22, 1947. Class 21.

431,202. CAMERA CASES. LOUIS LEFKOWITZ & BRO., INC., New Brunswick, N. J.
Filed April 2, 1946. Serial No. 499,500. PUBLISHED APRIL 29, 1947. Class 26.

431,203. FOG GENERATING MACHINE FOR DISSEMINATING INSECTICIDES. BESLER CORPORATION, Emeryville, Calif.
Filed April 4, 1946. Serial No. 499,607. PUBLISHED APRIL 22, 1947. Class 23.

431,204. CIGARETTES. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed April 12, 1946. Serial No. 500,090. PUBLISHED APRIL 8, 1947. Class 17.

431,205. CIGARETTES. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed April 12, 1946. Serial No. 500,091. PUBLISHED APRIL 8, 1947. Class 17.

431,206. AMMONIA—DEVELOPING SENSITIZED PAPERS. CHARLES BRUNING COMPANY, INC., New York, N. Y.
Filed April 16, 1946. Serial No. 500,276. PUBLISHED APRIL 22, 1947. Class 26.

431,207. INFANT'S TOY IN THE NATURE OF A PLASTIC SWINGING DOLL. PLASTIC TREASURES, INC., New York, N. Y.
Filed May 2, 1946. Serial No. 501,338. PUBLISHED APRIL 22, 1947. Class 22.

431,208. FRUIT FLAVORING PREPARATIONS IN DEHYDRATED FORM FOR FOOD PURPOSES. KILMER & CO., INCORPORATED, Stamford, Conn.
Filed May 3, 1946. Serial No. 501,389. PUBLISHED APRIL 22, 1947. Class 46.

431,209. ELECTRICALLY HEATED FOOD WARMERS AND COOKERS. ELECTRICALLY HEATED BOTTLE WARMERS; ELECTRICALLY HEATED VAPOR STERILIZERS; AND ELECTRICALLY HEATED VAPORIZERS—NAMELY, WATER OR MEDICINAL VAPORIZERS USED FOR ROOM OR OTHER ENCLOSURE HUMIDIFICATION OR MEDICATION. ELECTRICAL INDUSTRIES, INC., Newark, N. J.
Filed May 8, 1946. Serial No. 501,654. PUBLISHED APRIL 29, 1947. Class 21.

431,210. TOY KITES. MORRIS B. LITBERG, doing business as Aero-Kite Co., Chicago, Ill.
Filed May 8, 1946. Serial No. 501,671. PUBLISHED APRIL 29, 1947. Class 22.

431,211. CANDIES. FRANK COUKOULIS, doing business as Mary Ellen Candy Company, Des Moines, Iowa.
Filed May 10, 1946. Serial No. 501,829. PUBLISHED APRIL 15, 1947. Class 46.

431,212. MOPS. CAPITOL PRODUCTS COMPANY, Baltimore, Md.
Filed May 13, 1946. Serial No. 501,955. PUBLISHED MARCH 4, 1947. Class 29.

431,213. FROZEN FOODS—NAMELY, CHICKEN LIVERS, CHICKEN NOODLE RAREBIT, CHICKEN MEAT IN JELLIED BROTH, CHICKEN GIBLETS AND CHICKEN SUPREME. THE KRUG BAKING COMPANY OF NEW YORK, INC., Mount Vernon, N. Y.
Filed May 16, 1946. Serial No. 502,220. PUBLISHED APRIL 22, 1947. Class 46.

431,214. AERIAL CABLE. THE OKONITE COMPANY, Passaic, N. J.
Filed May 21, 1946. Serial No. 502,527. PUBLISHED APRIL 22, 1947. Class 21.

431,215. DRY POWDER TO BE USED AS A PAINT WHEN MIXED WITH WATER. BINNEY & SMITH COMPANY, New York, N. Y.
Filed May 22, 1946. Serial No. 502,555. PUBLISHED MARCH 11, 1947. Class 16.

431,216. HOUSEHOLD TYPE ELECTRIC CLOTHES WASHING MACHINES. FARMCO, INC., Jersey City, N. J., and New York, N. Y.
Filed May 23, 1946. Serial No. 502,631. PUBLISHED APRIL 8, 1947. Class 24.

431,217. INSULATED COPPER WIRE USED IN THE MANUFACTURE OF ELECTRIC COILS AND MAGNETS. BELDEN MANUFACTURING COMPANY, Chicago, Ill.
Filed May 27, 1946. Serial No. 502,793. PUBLISHED APRIL 22, 1947. Class 21.

431,218. WATCH BRACELETS NOT INCLUDING WATCHES. MARVEL JEWELRY MANUFACTURING CO., Providence, R. I.
Filed May 28, 1946. Serial No. 502,908. PUBLISHED APRIL 8, 1947. Class 28.

431,219. LADIES' AND MEN'S SUITCASES AND BAGS, MADE OF LEATHER, CLOTH, AND IMITATION LEATHER. M. SMITH COMPANY, Philadelphia, Pa., assignor to M. Smith Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Filed May 28, 1946. Serial No. 502,926. PUBLISHED APRIL 22, 1947. Class 3.

431,220. HAMMERS. GIBSON GOOD TOOLS, INC., Orange, Mass.
Filed June 10, 1946. Serial No. 503,565. PUBLISHED APRIL 15, 1947. Class 23.

431,221. FRESH CITRUS FRUITS. ARIZONA CITRUS PRODUCTS COMPANY, Mesa, Ariz.
Filed June 11, 1946. Serial No. 503,624. PUBLISHED APRIL 15, 1947. Class 46.

431,222. ORNAMENTAL JEWELRY, MADE WHOLLY OR PARTLY OF PRECIOUS OR SEMI-PRECIOUS METALS—NAMELY, BUCKLES, CUFF LINKS, TIE HOLDERS, COLLAR HOLDERS, MONEY CLIPS, CIGARETTE CASES, KEY CHAINS, KNIVES, STICK-PINS, FOBS, BANDANNA SLIDERS OR HOLDERS, TIE SLIDES, PINS, BROOCHES, CHAINS, LOCKETS, COMPACTS, NECKLACES, BRACELETS, ARM BANDS, EARRINGS, AND FINGER RINGS. ORBER MANUFACTURING CO., Pawtucket, R. I.
Filed June 12, 1946. Serial No. 503,741. PUBLISHED APRIL 8, 1947. Class 28.

431,223. LAWN MOWERS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed June 14, 1946. Serial No. 503,858. PUBLISHED APRIL 15, 1947. Class 23.

431,224. HYDRAULIC VEHICLE JACK. ZAMAX MANUFACTURING CO., INC., Haverstraw, N. Y.
Filed June 21, 1946. Serial No. 504,415. PUBLISHED APRIL 15, 1947. Class 23.

431,225. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. GRINNELL LITHOGRAPHIC CO., INC., New York, N. Y.
Filed July 1, 1946. Serial No. 504,897. PUBLISHED APRIL 8, 1947. Class 37.

431,226. CONVEYORS OF THE PULLEY TYPE, ROLLER TYPE, INCLINED AND VERTICAL LIFT TYPE, PUSHER-BAR TYPE, GRAVITY SLIDES AND SPIRAL CHUTES. ALVEY CONVEYOR MANUFACTURING CO., St. Louis, Mo.
Filed July 3, 1946. Serial No. 505,030. PUBLISHED APRIL 15, 1947. Class 23.

431,227. OIL WELL PUMP PLUNGERS. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,103. PUBLISHED APRIL 22, 1947. Class 23.

431,228. FIELD CORN SEED AND SWEET CORN SEED. J. L. PEPPARD, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,124. PUBLISHED APRIL 8, 1947. Class 1.

431,229. FIELD CORN SEED AND SWEET CORN SEED. J. L. PEPPARD, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,125. PUBLISHED APRIL 8, 1947. Class 1.

431,230. FIELD CORN SEED AND SWEET CORN SEED. J. L. PEPPARD, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,126. PUBLISHED APRIL 8, 1947. Class 1.

431,231. FIELD CORN SEED AND SWEET CORN SEED. J. L. PEPPARD, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,127. PUBLISHED APRIL 8, 1947. Class 1.

431,232. FIELD CORN SEED AND SWEET CORN SEED. J. L. PEPPARD, Kansas City, Mo.
Filed July 5, 1946. Serial No. 505,128. PUBLISHED APRIL 8, 1947. Class 1.

431,233. FRESH GRAPES. IGNAZIO GRIMALDI, Modesto, Calif.
Filed July 8, 1946. Serial No. 505,198. PUBLISHED APRIL 15, 1947. Class 46.

431,234. TAPS AND DIES. WINTER BROTHERS COMPANY, Wrentham, Mass.
Filed July 11, 1946. Serial No. 505,465. PUBLISHED APRIL 15, 1947. Class 23.

431,235. PORTABLE ELECTRIC TABLE RANGES. CAMCO PRODUCTS INC., New York, N. Y.
Filed July 12, 1946. Serial No. 505,484. PUBLISHED APRIL 29, 1947. Class 21.

431,236. DOG FOOD COMPOSED OF WHEAT FLAKES, YELLOW CORN MEAL, FEEDING OAT MEAL, MEAT SCRAPS, SALT, CALCIUM CARBONATE, RIBOFLAVIN SUPPLEMENT AND VITAMIN A AND D FEEDING OIL. SCHREIBER MILLING & GRAIN CO., St. Joseph, Mo.
Filed July 12, 1946. Serial No. 505,524. PUBLISHED APRIL 29, 1947. Class 46.

431,237. CLOCKS. NORMAN SPENCER DENNIS, Los Angeles, Calif.
Filed July 13, 1946. Serial No. 505,561. PUBLISHED APRIL 8, 1947. Class 27.

431,238. FINGER RINGS. BLITS MANUFACTURING COMPANY, INC., New York, N. Y.
Filed July 17, 1946. Serial No. 505,729. PUBLISHED APRIL 8, 1947. Class 28.

431,239. TOY CONSTRUCTION SETS. WILLIAM TRUMPLER, Media, Pa.
Filed July 17, 1946. Serial No. 505,781. PUBLISHED APRIL 22, 1947. Class 22.

431,240. FISH LURES. LAZY IKE BAIT CO., Preston, Minn.
Filed July 20, 1946. Serial No. 505,965. PUBLISHED APRIL 29, 1947. Class 22.

431,241. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed July 22, 1946. Serial No. 506,025. PUBLISHED APRIL 8, 1947. Class 28.

431,242. NOVELTY KEY BOTTLE OPENERS. CASTLE KEY CORP., New York, N. Y.
Filed July 23, 1946. Serial No. 506,092. PUBLISHED APRIL 22, 1947. Class 23.

431,243. RECIPROCATING, JET AND TURBINE ENGINES AND PARTS THEREOF; DIESEL BLOWERS AND PARTS THEREOF; MARINE CLUTCHES AND TRANSMISSIONS AND PARTS THEREOF; HYDRAULIC LIFTS AND PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed July 26, 1946. Serial No. 506,303. PUBLISHED APRIL 8, 1947. Class 23.

431,244. BOUDOIR, DESK AND MANTEL CLOCKS, WATCHES AND PARTS THEREOF. STOLZ FRÈRES, S. A., FABRIQUE D'HOROGERIE, ANGELUS, Le Locle, Switzerland.
Filed July 26, 1946. Serial No. 506,354. PUBLISHED APRIL 8, 1947. Class 27.

431,245. TRICKLE CHARGERS FOR CHARGING STORAGE BATTERIES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed July 29, 1946. Serial No. 506,415. PUBLISHED APRIL 15, 1947. Class 21.

431,246. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed July 29, 1946. Serial No. 506,437. PUBLISHED APRIL 8, 1947. Class 28.

431,247. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) OF PRECIOUS AND/OR BASE METALS—NAMELY, LAPEL BUTTONS, PINS, CHARMS, BRACELETS, AND THE LIKE. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP-CHINESE AIR FORCE) INCORPORATED, New York, N. Y.
Filed July 29, 1946. Serial No. 506,438. PUBLISHED APRIL 8, 1947. Class 28.

431,248. CANNED VEGETABLES. THE KRIER PRESERVING COMPANY, Belgium, Wis.
Filed August 1, 1946. Serial No. 506,672. PUBLISHED APRIL 22, 1947. Class 46.

431,249. CANDY SUCKERS. BON-BERGER CO. INC., Berkeley, Calif.
Filed August 5, 1946. Serial No. 506,855. PUBLISHED APRIL 22, 1947. Class 46.

431,250. GRINDING BALLS FOR BALL MILLS, SAID BALLS BEING MADE OF A PLASTIC SILICATE HAVING THE GENERAL NATURE OF PORCELAIN. THE PATTERSON FOUNDRY & MACHINE CO., East Liverpool, Ohio.
Filed August 5, 1946. Serial No. 506,892. PUBLISHED APRIL 15, 1947. Class 23.

431,251. FOOD FOR CARNIVEROUS ANIMALS. SWIFT & COMPANY, Chicago, Ill.
Filed August 8, 1946. Serial No. 507,085. PUBLISHED APRIL 15, 1947. Class 46.

431,252. CARBURETORS. R. F. BRACKE & COMPANY, Chicago, Ill.
Filed August 9, 1946. Serial No. 507,102. PUBLISHED APRIL 15, 1947. Class 23.

431,253. WATCHES AND CLOCKS. ERWIN ROSENTHAL & CO., New York, N. Y.
Filed August 13, 1946. Serial No. 507,342. PUBLISHED APRIL 8, 1947. Class 27.

431,254. CAMERA LENSES, CAMERAS, PHOTOGRAPHIC ENLARGERS, AND PARTS THEREFOR, ETC. BURKE & JAMES, INC., Chicago, Ill.
Filed August 16, 1946. Serial No. 507,511. PUBLISHED APRIL 22, 1947. Class 26.

431,255. INSTRUMENT FOR MEASURING THE SIZE AND INDICATING THE WEIGHT OF FISH. LANGLEY CORPORATION, San Diego, Calif.
Filed August 19, 1946. Serial No. 507,643. PUBLISHED APRIL 29, 1947. Class 26.

431,256. IMITATION PLASTIC ICE CUBE FILLED WITH A LIQUID, THE UNIT TO BE FROZEN WHILE PLACED IN A REFRIGERATOR, AND TO BE USED AS A COOLANT OF LIQUIDS SUCH AS TEA, COFFEE, SOFT DRINKS, AND THE LIKE, BY NONDILUTING HEAT EXCHANGE. MORT GREENE, Hollywood, Calif.
Filed August 20, 1946. Serial No. 507,678. PUBLISHED APRIL 29, 1947. Class 31.

431,257. TELEGRAPHIC TYPING APPARATUS. THE TELEREGISTER CORPORATION, New York, N. Y.
Filed August 21, 1946. Serial No. 507,758. PUBLISHED APRIL 22, 1947. Class 21.

431,258. NON-PRECIOUS AND SEMI-PRECIOUS BROOCH PINS, LAPEL PINS, EARRINGS, CLIP PINS, AND IMITATION PEARL NECKLACES. THEIL-SCHOEN CO., New York, N. Y.
Filed August 21, 1946. Serial No. 507,761. PUBLISHED APRIL 8, 1947. Class 28.

431,259. PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed August 23, 1946. Serial No. 507,948. PUBLISHED APRIL 29, 1947. Class 35.

431,260. SILVER FLATWARE AND HOLLOWWARE. I. FREEMAN & SON, INC., New York, N. Y.
Filed August 24, 1946. Serial No. 507,978. PUBLISHED APRIL 8, 1947. Class 28.

431,261. ELECTRICALLY INSULATED WIRE AND CABLE. THE OKONITE CALLENDER CABLE COMPANY, INCORPORATED, Paterson, N. J.
Filed August 24, 1946. Serial No. 507,998. PUBLISHED APRIL 22, 1947. Class 21.

431,262. FRESH CITRUS FRUITS. RICHGROVE-JASMINE CITRUS ASSOCIATION, Delano, Calif.
Filed August 26, 1946. Serial No. 508,066. PUBLISHED APRIL 22, 1947. Class 46.

431,263. DYNAMOMETERS. CLAYBORNE MANUFACTURING COMPANY, Chicago, Ill.
Filed August 28, 1946. Serial No. 508,141. PUBLISHED APRIL 29, 1947. Class 26.

431,264. VARIEGATED ICE CREAM AND FLAVORING MATERIALS FOR SUCH ICE CREAM—NAMELY, CHOCOLATE FUDGE POWDER. JOE LOWE CORPORATION, New York, N. Y.
Filed August 28, 1946. Serial No. 508,159. PUBLISHED APRIL 22, 1947. Class 46.

431,265. NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed August 28, 1946. Serial No. 508,177. PUBLISHED APRIL 8, 1947. Class 28.

431,266. COSTUME JEWELRY. GRABEN & BAUER, New York, N. Y.
Filed August 29, 1946. Serial No. 508,219. PUBLISHED APRIL 8, 1947. Class 28.

431,267. PHOTOGRAPHIC LENSES. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y.
Filed September 6, 1946. Serial No. 508,590. PUBLISHED APRIL 22, 1947. Class 26.

431,268. MEASURING SPOON. GEORGE A. SPRACKLING, doing business as Sprackling Products Company, Janesville, Wis.
Filed September 9, 1946. Serial No. 508,754. PUBLISHED APRIL 22, 1947. Class 26.

431,269. FRESH GRAPES. HENRY J. ANDREAS, Sanger, Calif.
Filed September 10, 1946. Serial No. 508,775. PUBLISHED APRIL 22, 1947. Class 46.

431,270. CANNED SARDINES. EDGEWATER PACKING COMPANY, San Francisco, Calif.
Filed September 10, 1946. Serial No. 508,797. PUBLISHED APRIL 22, 1947. Class 46.

431,271. OLEOUS INSULATION IN LIQUID FORM TO BE APPLIED ON ELECTRIC WIRES AND BATTERIES TO INSULATE AGAINST MOISTURE. BAL-DART INCORPORATED, Detroit, Mich.
Filed September 11, 1946. Serial No. 508,832. PUBLISHED APRIL 29, 1947. Class 21.

431,272. REFRIGERATORS AND REFRIGERATING CASES—NAMELY, FREEZING CABINETS, DISPLAY CASES, STORAGE CASES, AND MEAT COUNTERS. PINNACLE EQUIPMENT CORPORATION, Fleetwood, Pa.
Filed September 18, 1946. Serial No. 509,297. PUBLISHED APRIL 22, 1947. Class 31.

431,273. INSULATING TAPE FOR COATING ELECTROPLATING RACKS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed September 20, 1946. Serial No. 509,416. PUBLISHED APRIL 15, 1947. Class 21.

431,274. ELECTRICAL SWITCHBOARDS, PANELBOARDS, SWITCHBOXES, AND CIRCUIT BREAKERS. ZINSCO ELECTRICAL PRODUCTS, Los Angeles, Calif.
Filed September 21, 1946. Serial No. 509,551. PUBLISHED APRIL 15, 1947. Class 21.

431,275. WELDING ELECTRODE HOLDERS AND PARTS THEREOF. CHURCHWARD ENGINEERING CO., New Haven, Conn.
Filed September 23, 1946. Serial No. 509,562. PUBLISHED APRIL 15, 1947. Class 21.

431,276. BARE AND INSULATED ELECTRIC WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed September 26, 1946. Serial No. 509,767. PUBLISHED APRIL 15, 1947. Class 21.

431,277. ELECTRIC SPOTLIGHTS AND BOOMLIGHTS AND PARTS THEREOF. DISPLAY LIGHTING, INCORPORATED, New York, N. Y.
Filed October 1, 1946. Serial No. 510,016. PUBLISHED APRIL 15, 1947. Class 21.

431,278. LOUD SPEAKERS. CRAWFORD'S, INC., Beverly Hills, Calif.
Filed October 7, 1946. Serial No. 510,381. PUBLISHED APRIL 22, 1947. Class 21.

431,279. ELECTRIC FLAT IRONS. COMMANDER PRODUCTS, Chicago, Ill.
Filed October 9, 1946. Serial No. 510,483. PUBLISHED APRIL 22, 1947. Class 21.

431,280. ELECTRICAL GROUNDING ASSEMBLIES FOR ATTACHMENT TO POLE BUTTS. MASTER-GRIP UTILITIES SUPPLY CORPORATION, St. Louis, Mo.
Filed October 14, 1946. Serial No. 510,853. PUBLISHED APRIL 22, 1947. Class 21.

431,281. ROPE. COMPAÑIA DE JARCIA DE MATANZAS, S. A., also known as Matanzas Cordage Company, Habana, Cuba.
Filed November 9, 1946. Serial No. 512,323. PUBLISHED APRIL 22, 1947. Class 7.

431,282. MANILA ROPE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed November 12, 1946. Serial No. 512,465. PUBLISHED APRIL 22, 1947. Class 7.

431,283. HAND CROCHET COTTON YARN. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed November 16, 1946. Serial No. 512,731. PUBLISHED APRIL 22, 1947. Class 43.

431,284. TRAVELING BAGS, SUITCASES, BRIEF CASES, AND TRUNKS. RICHARD A. BRINKHAUS, doing business as H. A. Brinkhaus & Sons, Louisville, Ky.
Filed November 22, 1946. Serial No. 513,023. PUBLISHED APRIL 29, 1947. Class 3.

431,285. SUITCASES, TRUNKS, TRAVELLING BAGS, AND HANDBAGS. WM. FILENE'S SONS COMPANY, Boston, Mass.
Filed November 22, 1946. Serial No. 513,087. PUBLISHED APRIL 29, 1947. Class 3.

431,286. COTTON THREAD. THE GENERAL THREAD MILLS, INC., Boston, Mass.
Filed November 29, 1946. Serial No. 513,407. PUBLISHED APRIL 22, 1947. Class 43.

431,287. SUITCASES. LOUIS H. CLARK, New York, N. Y.
Filed November 30, 1946. Serial No. 513,499. PUBLISHED APRIL 29, 1947. Class 3.

431,288. PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. YOUNGS RUBBER CORPORATION, New York, N. Y.
Filed December 4, 1946. Serial No. 513,708. PUBLISHED APRIL 22, 1947. Class 44.

431,289. AUTOMATIC DOMESTIC COAL BURNERS AND STOKERS. GENERAL MACHINE COMPANY, INC., Emmaus, Pa.
Filed December 9, 1946. Serial No. 513,932. PUBLISHED MARCH 25, 1947. Class 34.

431,290. FISHING REELS. LANGLEY CORPORATION, San Diego, Calif.
Filed December 11, 1946. Serial No. 514,048. PUBLISHED APRIL 29, 1947. Class 22.

431,291. AIRPLANE MODELS AND PARTS THEREFOR, FOR PRODUCTION, FULL SIZE OR OTHERWISE, STILL OR OPERATIONAL, SERVING IN THE NATURE OF UNIT PATTERNS FOR THE TURNOUT OF COMMERCIAL ARTICLES. ANTHONY C. COCCARO, doing business as Mercury Model Airplane Co., New York, N. Y.
Filed December 20, 1946. Serial No. 514,589. PUBLISHED APRIL 22, 1947. Class 28.

431,292. BABIES' TOY RATTLES. JOSEPH B. MCKEE, doing business as Multi Mfg. Co., Los Angeles, Calif.
Filed December 20, 1946. Serial No. 514,614. PUBLISHED APRIL 29, 1947. Class 22.

431,293. IMPLEMENTS USED BY PHYSICIANS AND SURGEONS FOR FILING GLASS AMPOULES. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 27, 1946. Serial No. 514,874. PUBLISHED APRIL 29, 1947. Class 44.

431,294. DEVICES FOR ATTACHMENT TO THE FEET FOR USE AS AIDS IN SWIMMING. HAL MESSINGER ASSOCIATES, INC., Tampa, Fla., and Playa Del Rey, Calif.
Filed March 4, 1947. Serial No. 518,470. PUBLISHED APRIL 22, 1947. Class 22.

431,295. BASEBALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed March 10, 1947. Serial No. 518,787. PUBLISHED APRIL 29, 1947. Class 22.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,296. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HENRY A. S. VAN DAALEN, New York, N. Y., assignor to Dutch Admiral Equipment Corporation, New York, N. Y., a corporation of New York. Filed Feb. 4, 1944. Serial No. 467,176.

Dutch Admiral
Four ★★★★ Star

FOR LIFE SAVING EQUIPMENT—NAMELY, ELECTRICAL SIGNAL LIGHTS AND FLASH LIGHTS.
Claims use since January 1942.

431,297. (CLASS 38. PRINTS AND PUBLICATIONS.) RALPH J. URRUELA, New Orleans, La. Filed Feb. 14, 1944. Serial No. 467,416.

América
Ilnida

FOR MONTHLY MAGAZINES.
Claims use since Feb. 1, 1943.

431,298. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MORRIS MACHINE TOOL CO., Cincinnati, Ohio. Filed July 14, 1944. Serial No. 472,253.

MORRIS
MOR-SPEED

FOR RADIAL DRILLS AND SPECIAL PRODUCTION MACHINERY—NAMELY, DRILLING MACHINES, BORING MACHINES, REAMING MACHINES, COUNTER BORING MACHINES, TAPPING MACHINES, MILLING MACHINES, AND GRINDING MACHINES.
Claims use since on or about Apr. 13, 1928.

431,299. (CLASS 31. FILTERS AND REFRIGERATORS.) IRA L. SHUEMAKER, doing business as The Sentinel Manufacturing Co., Cairo, Ill. Filed Aug. 16, 1944. Serial No. 473,343.

THE FARM SENTRY

FOR MILK-COOLING CABINETS.
Claims use since Jan. 1, 1944.

431,300. (CLASS 31. FILTERS AND REFRIGERATORS.) IRA L. SHUEMAKER, doing business as The Sentinel Manufacturing Co., Cairo, Ill. Filed Aug. 16, 1944. Serial No. 473,344.

THE FOOD SENTRY

FOR REFRIGERATOR-TYPE FOOD DISPLAY CASES.
Claims use since Jan. 1, 1944.

431,301. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DENISON ENGINEERING COMPANY, Columbus, Ohio. Filed Sept. 14, 1944. Serial No. 474,193.

MULTIPRESS

FOR HYDRAULIC PRESSES.
Claims use since Sept. 1, 1944.

431,302. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KENNETH W. TROWBRIDGE, doing business as Precision Motor Parts, San Francisco, Calif. Filed Oct. 3, 1944. Serial No. 474,870.

Precision

FOR NEW AND RECONSTRUCTED AUTOMOTIVE PARTS—NAMELY, REBUILT FUEL PUMPS, WATER PUMPS, LINED CLUTCH PLATES, CLUTCH COVER ASSEMBLIES, REGROUND CRANK SHAFTS, AND REBUILT TRANSMISSIONS FOR AUTOMOBILES.
Claims use since July 1, 1940.

431,303. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE O'BRIEN MACHINERY CO., Philadelphia, Pa. Filed Nov. 25, 1944. Serial No. 476,878.

THE O'BRIEN MACHINERY CO.
PHILADELPHIA'S LARGEST MACHINERY DEALERS AND EXPORTERS

The drawing is lined for the color red.
FOR MACHINE SHOP EQUIPMENT—NAMELY, AUTOMATIC PUNCHES, AUTOMATIC SHEARS, PIPE MACHINES, DRILL PRESSES, EXPANSIVE CHAMBER ENGINES, AIR COMPRESSORS, HOT AIR BLOWERS USED AS A COMPONENT OF POWER GENERATING MACHINERY, WATER PUMPS, PLANERS, RADIAL DRILLS, MILLING MACHINES, GRINDING MACHINES, THREADING MACHINES, AUTOMATIC HAMMERS, FILING MACHINES, VISES, CHUCKS, AND SHAPERS.
Claims use since November 1914.

431,304. (CLASS 38. PRINTS AND PUBLICATIONS.) SUTTON PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 14, 1945. Serial No. 479,820.

ELECTRONIC EQUIPMENT
NEW DEVELOPMENTS IN PRODUCTS • PARTS • MATERIALS

FOR PERIODICALS PUBLISHED FROM TIME TO TIME.
Claims use since February 1943.

431,305. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BORG-WARNER CORPORATION, Chicago, Ill. Filed May 4, 1945. Serial No. 482,972.

WARNER GEAR CO. MUNCIE IND. U.S.A.

FOR GEARS FOR POWER TRANSMISSIONS FOR MOTOR VEHICLES AND AIRCRAFT, AND PARTS THEREOF—NAMELY, GEARS; OVERDRIVE UNITS; FREEWHEELING UNITS; SYNCHRONIZER UNITS; FLUID COUPLINGS AND TORQUE CONVERTERS.
Claims use since on or before Jan. 20, 1916.

431,306. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) TROJAN PRODUCTS & MFG. CO., Chicago, Ill., assignor to The Diversey Corporation, Chicago, Ill., a corporation of Illinois. Filed May 21, 1945. Serial No. 483,637.

DERMA-SKOUR

FOR HAND SOAP IN POWDER FORM.
Claims use since Feb. 1, 1945.

431,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIAMOND LABEL FOOD COMPANY, New Brunswick, N. J., assignor to Diamond Label Food Company, New Brunswick, N. J., a corporation of New Jersey. Filed Sept. 4, 1945. Serial No. 487,931.

Rutgers

FOR CANNED VEGETABLES AND CANNED FRUITS.
Claims use since Aug. 1, 1945.

431,308. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) N. B. SPURGEON CO., Chicago, Ill. Filed Oct. 25, 1945. Serial No. 490,508.

SUPER JACK

FOR LIFTING JACKS OF THE ADJUSTABLE SHORING POST TYPE.
Claims use since Oct. 17, 1945.

431,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS. AND PARTS THEREOF.) SPEE-DEE MANUFACTURING CO., Chicago, Ill. Filed Nov. 5, 1945. Serial No. 491,138.

Spee-dee

FOR GREASING ADAPTERS FOR PRESSURIZED FLUSHING AND REPACKING OF CLUTCH THROW-OUT BEARINGS OR SIMILAR BEARINGS, SLEEVE EXTRACTORS AND INSERTERS FOR EXTRACTING AND INSERTING CYLINDER SLEEVES IN AUTOMOTIVE ENGINES.
Claims use since Mar. 1, 1944.

431,310. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) H. K. PORTER, INC., Everett, Mass. Filed Dec. 5, 1945. Serial No. 492,737.

Hydro-Method

FOR HYDRAULIC MACHINE OF VARIABLE ADJUSTMENTS IN THE NATURE OF MAINTENANCE REPAIR EQUIPMENT, FOR USE IN STRAIGHTENING, PRESSING INTO SHAPE AND FITTING TOGETHER OF AUTOMOTIVE BODIES AND CHASSIS, WITH AN ASSORTMENT OF SPECIFIC TOOLS FOR APPLICATION AND USE IN CONNECTION THEREWITH, AND HAMMERS, MALLETS, DOLLIES, DOLLY BLOCKS, SOLDER PADDLES, SPOONS, FENDER BEADING TOOLS, PLIERS, FILE HOLDERS, CAULKING TOOLS, FENDER HOOD ADAPTERS, PICK TOOLS AND FENDER SPREADERS.
Claims use since Oct. 27, 1945.

431,311. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN HYDRAULICS, INC., Sheboygan, Wis. Filed Dec. 19, 1945. Serial No. 493,527.

You Can Depend on an
AMERICAN

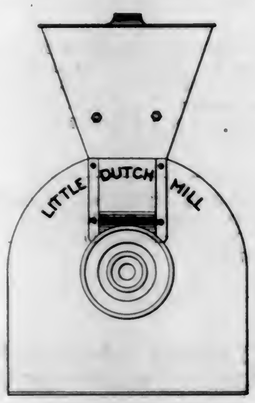
FOR AUTOMOTIVE JACKS.
Claims use since 1941.

431,312. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LUTHER GRINDER & TOOL CO., Sheboygan, Wis. Filed Dec. 19, 1945. Serial No. 493,561.

Luther

FOR PORTABLE TOOL BENCH GRINDERS, SICKLE GRINDERS, AND PORTABLE VISES.
Claims use since 1905.

431,313. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALTER J. SCHULZ, St. Louis, Mo. Filed Jan. 5, 1946. Serial No. 494,365.



FOR HAMMERMILLS.
Claims use since Dec. 1, 1945.

431,314. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HERBERT A. PAPKE, doing business as Valley City Novelty Co., Grand Rapids, Mich. Filed Jan. 12 1946. Serial No. 494,703.

KALEID SCOPE

FOR TOY KALEIDOSCOPES.
Claims use since Jan. 7, 1946.

431,315. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MATTIE MCMULLIN, Sikeston, Mo. Filed Jan. 14, 1946. Serial No. 494,755.

McMULLIN
CROST-RITE

FOR HYBRID CORN SEED.
Claims use since Nov. 1, 1942.

431,316. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WOLF & KLAR WHOLESALE SUPPLY CO., Fort Worth, Tex. Filed Jan. 19, 1946. Serial No. 495,123.

Langley

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, ARTIFICIAL PEARLS, FINGER RINGS, PINS, CUFF LINKS, BRACELETS, KEY CHAINS, WATCH CHAINS, SPORT CHAINS, WALDEMAR CHAINS, NECK CHAINS, WATCH ATTACHMENTS, BROOCHES AND EARRINGS; AND STERLING SILVER AND SILVER PLATED HOLLOW WARE AND FLATWARE.
Claims use since December 1945.

431,317. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PARMOR PRODUCTS COMPANY, Atlanta, Ga. Filed Feb. 15, 1946. Serial No. 496,656.



The representation of the lady is fanciful.
FOR LOCKETS, BRACELETS, FINGER RINGS, EAR RINGS, LADIES' COMPACTS, MANICURE SETS, NECKLACES, LAVALIERES, AND BROOCHES, ALL BEING GOODS MADE OF PRECIOUS OR SEMI-PRECIOUS METAL.
Claims use since Oct. 30, 1945.

431,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YOSEMITE GROWERS COOPERATIVE ASSOCIATION, Merced, Calif., assignor to L. C. Beckwith, Merced, Calif. Filed Feb. 16, 1946. Serial No. 496,750.

ICY FRESH

FOR FROZEN CITRUS AND DECIDUOUS FRUITS.
Claims use since Jan. 15, 1946.

431,319. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GREEN WATCH COMPANY, Cincinnati, Ohio. Filed Feb. 23, 1946. Serial No. 497,093.

CHRONO-TIMER

FOR WATCHES, WATCH CASES AND WATCH MOVEMENTS.
Claims use since Jan. 14, 1946.

431,320. (CLASS 32. FURNITURE AND UPHOLSTERY.) HAMPTON MODERN, INC., Paterson, N. J. Filed Feb. 25, 1946. Serial No. 497,177.

Hampton MODERN

FOR LIVING ROOM, DINING ROOM, KITCHEN AND BRIDGE TABLES AND CHAIRS, DAVENPORTS, BEDS, DRESSERS, SETTEES, DESKS, BOOKCASES, CHESTS AND FOOTSTOOLS.
Claims use since Dec. 11, 1945.

431,321. (CLASS 38. PRINTS AND PUBLICATIONS.) MERIT K. BURROUS, Canon City, Colo. Filed Feb. 26, 1946. Serial No. 497,230.

PICTORIAL DICTIONARY

FOR NEWSPAPER FEATURE PUBLISHED FROM TIME TO TIME, COMPRISING PICTORIAL ILLUSTRATIONS OF WORD DEFINITIONS, GROUPED ACCORDING TO PRONUNCIATION, AND EMPLOYING BOTH SINGLE AND COMPOUND WORDS.
Claims use since Jan. 21, 1945.

431,322. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ALBERT C. WILLIAMS, doing business as Albert C. Williams Company, New York, N. Y. Filed Feb. 27, 1946. Serial No. 497,357.



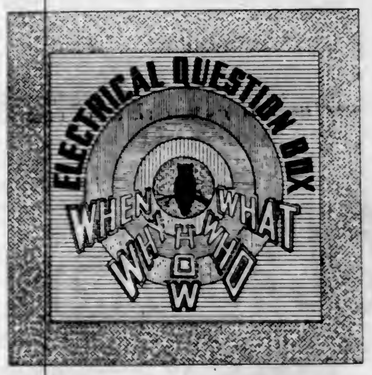
The shading on the drawing is merely intended to show the body of a conventional bag or pocketbook. The word "Williams" is the facsimile handwriting of the applicant.
FOR POCKETBOOKS, HANDBAGS AND PURSES.
Claims use since Jan. 2, 1946.

431,323. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MOE-BRIDGES CORPORATION, Sheboygan, Wis. Filed Feb. 28, 1946. Serial No. 497,401.



FOR ELECTRIC FLUORESCENT LAMP LIGHTING FIXTURES.
Claims use since Feb. 13, 1946.

431,324. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) K. & K. ELECTRIC TOY CO., New York, N. Y. Filed Mar. 2, 1946. Serial No. 497,542.



The drawing is lined to represent yellow, red, blue and orange colors, which colors constitute a material feature of applicant's mark.
FOR QUESTION AND ANSWER GAME.
Claims use since December 1945.

431,325. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ED. KUMMER S. A. (ARISTON INVENTIC) MANUFACTURE D'HORLOGERIE DE BETTLACH, Bettlach, Switzerland. Filed Mar. 9, 1946. Serial No. 497,942.

ATLANTIC

FOR WATCHES AND WATCH PARTS.
Claims use since 1926.

431,326. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GRAHAM ROTARY FILE & TOOL CORP., Philadelphia, Pa. Filed Mar. 11, 1946. Serial No. 498,004.

GRAHAM

FOR ROTARY FILES AND BURS.
Claims use since Mar. 26, 1942.

431,327. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HELDEMAN BROTHERS, Jamestown, N. Y. Filed Mar. 11, 1946. Serial No. 498,009.

ALL PURPOSE CLIP

FOR CLOTHES PINS.
Claims use since Oct. 18, 1945.

431,328. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) FRED R. WALLICH, doing business as Wallich Laboratories, Los Angeles, Calif. Filed Mar. 19, 1946. Serial No. 498,552.

Derma-Klenz

FOR CONDENSATE PRODUCT FOR SKIN CLEANING, FOR IRRITATED OR DELICATE SKIN, OR DERMATITIS ERUPTIONS.
Claims use since July 1944.

431,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DALLAS B. LEWIS, doing business as Lewis Food Company, Los Angeles, Calif. Filed Mar. 29, 1946. Serial No. 499,245.

LEWIS'

FOR DOG AND CAT FOOD.
Claims use since June 23, 1943.

431,330. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Apr. 8, 1946. Serial No. 499,873.

World Finance

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 28, 1946.

431,331. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Apr. 8, 1946. Serial No. 499,874.

World Labor

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 28, 1946.

431,332. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PROCTORS PRODUCTS, doing business as Lighters, Ltd., New Haven, Conn. Filed Apr. 22, 1946. Serial No. 500,696.

Feather-LITE

FOR PYROPHORIC, CATALYTIC, AND MECHANICAL CIGAR AND CIGARETTE LIGHTERS.
Claims use since Apr. 19, 1946.

431,333. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ABRAHAM HECHTER, Brooklyn, N. Y. Filed May 3, 1946. Serial No. 501,386.



The picture of the baby is fanciful.
FOR HARNESS, SAFETY STRAPS FOR CHILDREN, MADE OF COTTON WEBBING AND BUCKLES OF NON-PRECIOUS METAL OR METALS.
Claims use since Apr. 1, 1946.

431,334. (CLASS 27. HOROLOGICAL INSTRUMENTS.) L. & C. MAYERS CO. INC., New York, N. Y. Filed May 7, 1946. Serial No. 501,581.

CLAYTON

FOR WATCHES AND CLOCKS.
Claims use since on or about Apr. 17, 1946.

431,335. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, doing business as The Bureau of National Affairs, Washington, D. C., assignor to The Bureau of National Affairs, Inc., a corporation of Delaware. Filed May 7, 1946. Serial No. 501,613.

INTERNATIONAL TRADE REPORTER

FOR PERIODICAL PUBLICATIONS.
Claims use since May 2, 1946.

431,336. (CLASS 38. PRINTS AND PUBLICATIONS.) O. MOREY SMITH, doing business as The Recordplate Company, San Marino, Calif. Filed May 10, 1946. Serial No. 501,878.

RECORDPLATES

FOR DECALCOMANIAS USED TO INDEX AND IDENTIFY PHONOGRAPH RECORDS, AND DECALCOMANIA ALBUM ALPHABETS USED TO IDENTIFY AND INDEX RECORD ALBUMS, RACKS, CASES AND SHELVES.
Claims use since Apr. 30, 1946.

431,337. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH F. STUBLER, doing business as Wallner & Janda, Chicago, Ill. Filed May 11, 1946. Serial No. 501,937.

Die Craft Cards

FOR ENGRAVED GREETING CARDS.
Claims use since November 1945.

431,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) K. E. MYERS, Exeter, Calif. Filed May 13, 1946. Serial No. 502,000.

K'EM

FOR FRESH DECIDUOUS FRUITS.
Claims use since Apr. 12, 1946.

431,339. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed May 15, 1946. Serial No. 502,170.

Report on World Politics

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Apr. 29, 1946.

431,340. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed May 15, 1946. Serial No. 502,171.

World Photo Report

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Apr. 29, 1946.

431,341. (CLASS 38. PRINTS AND PUBLICATIONS.) HERBERT H. BEUTLER, New York, N. Y. Filed May 25, 1946. Serial No. 502,735.

WORLD TRADE

FOR TRADE PUBLICATIONS ISSUED PERIODICALLY.
Claims use since on or about May 14, 1946.

431,342. (CLASS 32. FURNITURE AND UPHOLSTERY.) A. SPECTOR & CO., INC., New York, N. Y. Filed May 25, 1946. Serial No. 502,772.

Tibbenham

The name is in the handwriting of the president of the applicant corporation, Beatrice Spector.
FOR DINING ROOM SUITES, BREAKFRONTS, BOOK CASES, CHESTS OF DRAWERS, LIVING ROOM CABINETS, SIDEBOARDS, WRITING TABLES, AND DESKS—NAMELY, FLAT TOP DESKS, AND BUREAU DESKS.
Claims use since Apr. 10, 1946.

431,343. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RUDOLPH SCHEIBNER, doing business as Magic Soap & Chemical Co., Oakland, Calif. Filed May 29, 1946. Serial No. 503,011.

E-Z-Suds

FOR SOAP PRODUCT IN POWDER, LIQUID AND SOLID FORM.
Claims use since Dec. 8, 1936.

431,344. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAINE STEEL INC., South Windham, Maine. Filed June 6, 1946. Serial No. 503,380.

Sargent

FOR POWER SHOVELS, BACK HOES, BULL DOZERS, ANGLE DOZERS, AND PARTS THEREOF, ALL DESIGNED FOR MOUNTING ON TRACTORS AS ATTACHMENTS THEREFOR.
Claims use on power shovels since about July 22, 1938; on back hoes since about Oct. 2, 1945; on bull dozers since about July 22, 1938; and on angle dozers since about Dec. 13, 1939.

431,345. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GREAT NECK SAW MANUFACTURERS, INC., Mineola, N. Y. Filed June 8, 1946. Serial No. 503,514.

PLYMOUTH

FOR HAND TOOLS—NAMELY, SAWS.
Claims use since Apr. 18, 1946.

431,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed June 11, 1946. Serial No. 503,623.

ODELL

FOR CANNED FRUITS.
Claims use since May 18, 1946.

431,347. (CLASS 38. PRINTS AND PUBLICATIONS.) POSTAL PUBLICATIONS INC., New York, N. Y. Filed June 21, 1946. Serial No. 504,387.

COMPLETE DETECTIVE Cases

FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since October 1939.

431,348. (CLASS 38. PRINTS AND PUBLICATIONS.) TRANSPORTATION SUPPLY PUBLISHING CORPORATION, Chicago, Ill. Filed June 27, 1946. Serial No. 504,717.

Transportation Supply News

FOR PUBLICATION ISSUED PERIODICALLY, OF INTEREST TO THE SHIPPING AND TRANSPORTATION INDUSTRIES.
Claims use since Apr. 1, 1946.

431,349. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAMUEL A. JACKSON, doing business as Jackson and Shearer, Bloomfield, N. J. Filed July 5, 1946. Serial No. 505,107.

J&S Kleen-Krome

FOR METAL CLEANER AND POLISH.
Claims use since June 1945.

431,350. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALBERT SCHLESINGER, doing business as Square Amusement Company, Poughkeepsie, N. Y. Filed July 5, 1946. Serial No. 505,135.

ROLL-A-BALL
BARREL ROLL

FOR COIN-CONTROLLED DEVICE IN THE FORM OF A GAME HAVING AN ALLEY DOWN WHICH BALLS ARE ROLLED FOR DIRECTION INTO HOLES OR THE LIKE.
Claims use since June 1, 1945.

431,351. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HORN MANUFACTURING COMPANY, Fort Dodge, Iowa. Filed July 8, 1946. Serial No. 505,204.

HORN-DRAULIC

FOR TRACTOR MOUNTED LOADER ATTACHMENT.
Claims use since Nov. 6, 1944.

431,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLYMPIA OYSTER COMPANY, INC., Olympia, Wash. Filed July 22, 1946. Serial No. 506,050.

TUMWATER

FOR FRESH OYSTERS.
Claims use since May 7, 1946.

431,353. (CLASS 39. CLOTHING.) ATLANTIC PLASTIKWEAR FASHIONS, INC., New York, N. Y. Filed Aug. 1, 1946. Serial No. 506,633.

Plastikwear

FOR RAIN COATS, RAIN CAPES, BEACH COATS, BATHING CAPS, APRONS, AND BABIES' BIBS.
Claims use since Nov. 1, 1945.

431,354. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) ROY F. CRUIKSHANK, doing business as The C. R. Crosby Company, Freeport, Ill. Filed Aug. 3, 1946. Serial No. 506,802.

Crosby's KLEER-VU

FOR WINDOW AND GLASS CLEANER.
Claims use since June 1941, and since June 1945 in its present form.

431,355. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LYNCHBURG PLANTER MANUFACTURING CO., Lynchburg, Va. Filed Aug. 9, 1946. Serial No. 507,131.

THE LYNCHBURG PLANTER

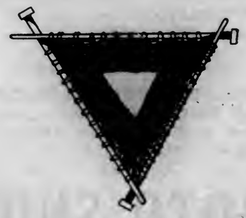
FOR HAND TRANSPLANTERS.
Claims use since Apr. 29, 1943.

431,356. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) POPE MACHINERY CORPORATION, Haverhill, Mass. Filed Aug. 13, 1946. Serial No. 507,339.

POPE

FOR SPINDLES, VERTICAL HIGH SPEED UNIVERSAL MILLING MACHINES AND PRECISION SPINDLE UNITS.
Claims use since May 14, 1940.

431,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PYRAMID MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 14, 1946. Serial No. 507,424.



FOR KNITTED FABRICS OF RAYON, COTTON, AND/OR WOOL, SOLD AS PIECE GOODS AND BY WEIGHT.
Claims use since Mar. 30, 1945.

431,358. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEARING DISTRIBUTORS COMPANY, Kansas City, Mo. Filed Aug. 15, 1946. Serial No. 507,455.

COMFORT

FOR TRACTOR COVER.
Claims use since Oct. 14, 1944.

431,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) KEMP & BEATLEY, INC., New York, N. Y. Filed Aug. 21, 1946. Serial No. 507,733.

KEMP-RAY

FOR TEXTILE FABRICS IN THE PIECE, OF RAYON, COTTON, PROTEIN FIBRES, AND MIXTURES THEREOF, TABLECLOTHS, NAPKINS, AND KITCHEN TOWELS.
Claims use since Mar. 1, 1946.

431,360. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR C. CROFT, New York, N. Y. Filed Aug. 22, 1946. Serial No. 507,806.

Educator's Washington Dispatch

FOR PUBLICATION ISSUED REGULARLY, DEVOTED TO REPORTING AND INTERPRETING IMPORTANT DEVELOPMENTS AFFECTING EDUCATION.
Claims use since Oct. 4, 1945.

431,361. (CLASS 38. PRINTS AND PUBLICATIONS.) THE GATES RUBBER COMPANY, Denver, Colo. Filed Aug. 23, 1946. Serial No. 507,898.

INDUSTRIAL HOSE Reporter

FOR PRINTED PUBLICATION WHOSE SUBJECT MATTER RELATES TO APPLICANT'S GOODS AND MATTER OF GENERAL INTEREST TO THE TRADE, A MONTHLY PUBLICATION.
Claims use since May 1, 1946.

431,362. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN L. WHITE, doing business as K-Jax, Dallas, Tex. Filed Aug. 26, 1946. Serial No. 508,078.

"ROTO-SNIP"

FOR METAL SHEARING TOOLS.
Claims use since Dec. 1, 1943.

431,363. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RAYFLEX FABRICS, INC., New York, N. Y. Filed Aug. 28, 1946. Serial No. 508,186.

TWIN-LUSTRE

FOR TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, COTTON, RAYON, PROTEIN FIBRES, NYLON AND COMBINATIONS THEREOF.
Claims use since June 22, 1945.

431,364. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARLSON TOOL AND MACHINE COMPANY, Geneva, Ill., assignor to Carlson Tool & Machine Company, a corporation of Illinois. Filed Sept. 14, 1946. Serial No. 509,073.

Carlson

FOR MACHINES FOR MAKING AND MACHINES FOR TRIMMING ALL CLASSES OF HOUSEHOLD, PERSONAL AND INDUSTRIAL BRUSHES WHICH ARE STAPLE SET, ANCHOR SET, TWISTED-IN-WIRE, PITCH SET WIRE DRAWN, AND SOLID BACK.
Claims use since April 1940.

431,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HYSTER COMPANY, Portland, Oreg. Filed Sept. 25, 1946. Serial No. 509,705.

SPACE SAVER

FOR LIFT TRUCKS (I. E., SELF-PROPELLED MACHINES EQUIPPED WITH LIFTING MECHANISMS WHICH ARE USED TO PICK UP, TRANSPORT AND DEPOSIT OBJECTS AND PILES OF OBJECTS ENGAGED BY SUCH LIFTING MECHANISMS).
Claims use since June 1, 1945.

431,366. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MERITA, INC., New York, N. Y. Filed Oct. 5, 1946. Serial No. 510,332.

Lambie

FOR POWDER MITTS AND PUFFS.
Claims use since May 6, 1946.

431,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDDLESEX WHOLESALE GROCERY COMPANY, New Brunswick, N. J. Filed Oct. 15, 1946. Serial No. 510,890.

MIDDLESEX

FOR CANNED VEGETABLES, CANNED FRUITS AND CANNED CRANBERRY SAUCE.
Claims use since Jan. 1, 1908.

431,368. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo. Filed Oct. 17, 1946. Serial No. 511,029.

McQUAY-NORRIS

FOR AUTOMOTIVE AND AIRCRAFT ENGINE PARTS AND TOOLS—NAMELY, PISTONS, PISTON EXPANDERS, PISTON PINS AND PARTS THEREOF, BEARINGS, BEARING BOLTS, BUSHINGS, CYLINDER SLEEVES, CYLINDER SLEEVE SEALS, ROCKER ARM SHAFT ASSEMBLIES, ENGINE VALVES, AND PARTS THEREOF, VALVE GUIDES, WATER PUMPS AND PARTS THEREOF; CAM SHAFT BEARING TOOL, PISTON CHAMFERING AND DRILLING TOOL, VALVE GUIDE TOOLS, WATER PUMP REFACING TOOL, PISTON RESIZERS, AND PISTON RING FILING MACHINES.
Claims use since March 1922.

431,369. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. S. REED CORPORATION, Three Rivers, Mich. Filed Oct. 24, 1946. Serial No. 511,418.

VI-BRIK-CRETE

FOR BLOCK OR BRICK MAKING MACHINES.
Claims use since Apr. 20, 1946.

431,370. (CLASS 39. CLOTHING.) DOVE UNDIES, New York, N. Y. Filed Oct. 5, 1946. Serial No. 515,398.

Junior Jamas

FOR LADIES' PAJAMAS, NIGHTGOWNS AND SLIPS.
Claims use since December 1944.

TRADE-MARK REGISTRATIONS RENEWED

29,145. **"FPO BERIO & CO. LUCCA" ETC. AND DRAWING WITHIN RECTANGULAR OUTLINE.** OLIVE-OIL. Registered Nov. 10, 1896. F. ROMEO Co., New York, N. Y. Vested in the Alien Property Custodian, Washington, D. C., and re-renewed to him Nov. 10, 1946. Class 46.

29,592. **"WISH BONE" AND DESIGN.** BAKING-POWDER, CANNED GOODS (MORE ESPECIALLY CANNED FRUITS, FISH, MEATS, AND VEGETABLES), COFFEE, EXTRACTS, WHEAT FLOUR, CONDENSED MINCEMEAT, OLIVES, OLIVE-OIL, SPICES, SODA, AND MAPLE AND SUGAR SYRUPS. Registered Feb. 23, 1897. J. F. HUMPHREYS & Co., Bloomington, Ill. Re-renewed Feb. 23, 1947, to Bunn Capitol Grocery Company, Springfield, Ill., a firm. Class 46.

57,354. **THE SAN FRANCISCO EXAMINER.** NEWSPAPER. Registered Nov. 13, 1906. WILLIAM R. HEARST, New York, N. Y. Re-renewed Nov. 13, 1946, to Hearst Publications, Incorporated, San Francisco, Calif., a corporation of California. Class 38.

57,565. **"TRIPOLINE" ETC. AND REPRESENTATION OF A TRAIN.** MATERIAL FOR CLEANING AND POLISHING METAL, GLASS, AND MARBLE. Registered Nov. 13, 1906. THE MATCHLESS METAL POLISH Co., New York, N. Y., and Chicago, Ill. Re-renewed Nov. 13, 1946, to The Matchless Metal Polish Company, Chicago, Ill., a corporation of Illinois. Class 4.

57,579. **BOUQUET.** COFFEE. Registered Nov. 13, 1906. N. LANDON BURCHELL, Washington, D. C. Re-renewed Nov. 13, 1946, to Calcutta Club Products, Inc., New York, N. Y., a corporation of New York. Class 46.

57,736. **"MEXOLINE" ON A REPRESENTATION OF A RED SEAL.** MATERIAL FOR CLEANING AND POLISHING METAL, GLASS, AND MARBLE. Registered Nov. 27, 1906. THE MATCHLESS METAL POLISH Co., New York, N. Y., and Chicago, Ill. Re-renewed Nov. 27, 1946, to The Matchless Metal Polish Company, Chicago, Ill., a corporation of Illinois. Class 4.

58,610. **COMMUNITY.** CANNED FRUITS AND VEGETABLES, Registered Dec. 18, 1906. ONEIDA COMMUNITY LIMITED, Kenwood, N. Y. Re-renewed Dec. 18, 1946, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 46.

58,802. **MINARD'S.** LINIMENT. Registered Dec. 25, 1906. MINARD'S LINIMENT MANUFACTURING COMPANY, Framingham and Boston, Mass. Re-renewed Dec. 25, 1946, to Minard Company, Hyannis, Mass., a corporation of Massachusetts. Class 6.

59,363. **PENTINE.** VARNISHES, PAINTS, LACQUERS, JAPANS, ENAMELS, AND OILS USED IN CONNECTION WITH THE SAME. Registered Jan. 8, 1907. STANDARD VARNISH WORKS, New York, N. Y. Re-renewed Jan. 8, 1947, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Class 16.

59,396. **"R" AND FLORAL DESIGN.** SILVER-PLATED WARE COMPRISING FLAT AND HOLLOW WARE AND CUTLERY. Registered Jan. 8, 1907. WM. A. ROGERS LTD., New York, N. Y. Re-renewed Jan. 8, 1947, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 28.

59,750. **PICRATOL.** ORGANIC SALTS OF SILVER. Registered Jan. 15, 1907. JOHN WYETH AND BROTHER, INCORPORATED. Re-renewed Jan. 15, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

60,028. **TRYPTOL.** ANTISEPTIC LIQUOR OR SOLUTION OF EUCALYPTUS. Registered Jan. 22, 1907. JOHN WYETH AND BROTHER, INCORPORATED. Re-renewed Jan. 22, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

60,161. **TIZ.** PREPARATION FOR THE FEET. Registered Jan. 29, 1907. WALTER LUTHER DODGE, Chicago, Ill. Re-renewed Jan. 29, 1947, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Delaware. Class 6.

60,448. **"CREMALTBYCO" AND SEAL.** COFFEE AND TEA. Registered Feb. 12, 1907. C. R. MALTBY Co. Re-renewed Feb. 12, 1947, to Coger, Tucker & Cheney, Inc., Corning, N. Y., a corporation of New York. Class 46.

60,629. **SEVETOL.** EMULSION OF MIXED FATS. Registered Feb. 12, 1907. JOHN WYETH AND BROTHER, INCORPORATED. Re-renewed Feb. 12, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

60,630. **LIQUENZYME.** AN ELIXIR OF THE DIGESTIVE FERMENTS. Registered Feb. 12, 1907. JOHN WYETH AND BROTHER, INCORPORATED. Re-renewed Feb. 12, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

60,669. **EBOLINE.** LUBRICATING-OILS. Registered Feb. 19, 1907. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Re-renewed Feb. 19, 1947, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Class 15.

60,676. **"D & M" IN DIAMOND SHAPED OUTLINE AND REPRESENTATION OF A DOG.** STRIKING-BAGS AND APPLIANCES USED IN CONNECTION THEREWITH, BOXING AND FENCING GLOVES, INDIAN CLUBS AND OTHER NAMED ITEMS OF SPORTING GOODS. Registered Feb. 19, 1907. THE DRAPER AND MAYNARD COMPANY, Plymouth, N. H. Re-renewed Feb. 19, 1947, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio. Class 22.

61,051. **57 VARIETIES.** PICKLES, CHOW-CHOW, SAUERKRAUT, PICKLED ONIONS, VINEGAR, BAKED BEANS, SOUP, CATCHUP, CHUTNEY, SAUCES, RELISHES, MUSTARD, OLIVES, OLIVE-OIL, HORSE-RADISH, FRUIT PRESERVES, FRUIT BUTTERS, FRUIT JELLIES, EUCHRED FIGS, CRANBERRY SAUCE, AND MINCEMEAT. Registered Mar. 5, 1907. H. J. HEINZ COMPANY, Allegheny, Pa. Re-renewed Mar. 5, 1947, to H. J. Heinz Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 46.

61,052. **"HEINZ" AND REPRESENTATION OF A PICKLE.** PICKLES, CHOW-CHOW, SAUERKRAUT, PICKLED ONIONS, VINEGAR, BAKED BEANS, SOUP, CATCHUP, CHUTNEY, SAUCES, RELISHES, MUSTARD, OLIVES, OLIVE-OIL, HORSERADISH, FRUIT PRESERVES, FRUIT, BUTTERS, FRUIT JELLIES, EUCHRED FIGS, CRANBERRY SAUCE, AND MINCEMEAT. Registered Mar. 5, 1907. H. J. HEINZ COMPANY, Allegheny, Pa. Re-renewed Mar. 5, 1947, to H. J. Heinz Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 46.

61,270. **"PYRO" AND BURNING TORCHES.** DENATURED ALCOHOL. Registered Mar. 12, 1907. U. S. INDUSTRIAL ALCOHOL CO. Re-renewed Mar. 12, 1947, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware. Class 6.

61,276. **"ONYX HOSIERY BLACK GUARANTEED STAINLESS" AND DRAWING.** HOSIERY. Registered Mar. 12, 1907. LORD & TAYLOR. Re-renewed Mar. 12, 1947, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Class 39.

61,599. **"H" AND TWO STARS WITHIN A CIRCLE.** INDIA-RUBBER PENCIL-ERASERS. Registered Mar. 26, 1907. L. & C. HARDTMUTH, Vienna and Budweis, Austria-Hungary, and London, England. Re-renewed Mar. 26, 1947, to L. & C. Hardtmuth, Inc., Bloomsbury, N. J., a corporation of New Jersey. Class 37.

61,727. **"CORONA BRAND" ON A SHIELD DESIGN.** CARBON-PAPER AND TYPE-WRITER RIBBONS. Registered Apr. 2, 1907. CORONA SUPPLY CO. Re-renewed Apr. 2, 1947, to Corona Supply Company, Rochester, N. Y., a corporation of New York. Class 11.

61,775. **"DANDER OFF HITS THE SPOT" AND REPRESENTATION OF ARROW ETC.** HAIR-TONICS AND DANDRUFF CURES. Registered Apr. 2, 1907. CLARENCE HUGHEL, Indianapolis, Ind. Re-renewed Apr. 2, 1947, to The C. Hughel Company, Madison, N. C., a corporation of North Carolina. Class 6.

62,363. **VICTORIA.** KNITTED, NETTED AND LACE GLOVES. Registered Apr. 30, 1907. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Apr. 30, 1947. Class 39.

62,365. **THE GEM.** COTTON PIECE GOODS. Registered Apr. 30, 1907. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Apr. 30, 1947. Class 42.

62,458. **"SILVER MEDAL LEAF LARD" ETC. AND REPRESENTATION OF TWO MEDALS UPON A BLUE PANEL.** LEAF LARD. Registered May 7, 1907. PARKER, WEBB & CO., Detroit, Mich. Re-renewed May 7, 1947, to Hygrade Food Products Corporation, New York, N. Y., a corporation of New York. Class 46.

62,492. **VALSPAR.** A VARNISH FOR THE FINISHING OF EXTERIOR SURFACES. Registered May 7, 1907. VALENTINE & COMPANY. Re-renewed May 7, 1947, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. Class 16.

219,276. **C. JEUFFROY.** CLARINETS, FLUTES, AND PICCOLOS. Registered Oct. 12, 1926. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 36.

220,366. **NOCTAL.** SOPORIFICS, SEDATIVES, AND ANALGESICS. Registered Nov. 9, 1926. WILLIAM A. SCHLESINGER, Douglaston, Long Island, N. Y. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Nov. 9, 1946. Class 6.

220,494. **"OLD INDIAN" AND REPRESENTATION OF AN INDIAN.** LIVER AND KIDNEY TONIC AND REMEDY FOR THE RELIEF OF INDIGESTION, SOUR STOMACH, TIRED FEELING, AND FOR STIMULATING AND PURIFYING THE BLOOD. Registered Nov. 9, 1926. E. S. BURGESS. Renewed Nov. 9, 1946, to Dairy Products Company, Atlanta, Ga., a corporation of Georgia. Class 6.

220,571. **ACME.** SELF-RISING FLOUR, DAIRY FEED, SCRATCH FEED, HORSE FEED, AND HOG FEED. Registered Nov. 9, 1926. ACME EVANS COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed Nov. 9, 1946. Class 46.

220,579. **LINA CAVELIERO.** FACE CREAMS, FACE AND SKIN LOTIONS, HAIR TONICS, LIP STICKS, COMPACTS, PERFUMES, TOILET WATER, BATH SALTS, BEAUTY MILK, ASTRINGENT WATERS, FACE PACKS, POWDERS, REDUCING CREAMS, BEAUTY CLAY. Registered Nov. 9, 1926. CAVELIERO PREPARATIONS INC. Renewed Nov. 9, 1946, to Lina Cavelliero Company, Seattle, Wash., a firm. Class 6.

221,066. **SUNNY GIRL.** COTTON, SILK, AND ARTIFICIAL SILK FABRICS AND COMBINATIONS OF THE SAME. Registered Nov. 23, 1926. TURNER & VANDAM, INC. Renewed Nov. 23, 1946, to D. B. Fuller & Co., Inc., New York, N. Y., a corporation of New York. Class 42.

221,337. **VIKING.** PENCILS. Registered Nov. 30, 1926. AKTIESELSKABET H. E. GOSCH & CO'S TAENDSTIKFABRIKER OG AKTIETAENDSTIK-FABRIKEN GODTHAAB, Copenhagen, Denmark, a corporation of Denmark. Renewed Nov. 30, 1946. Class 37.

221,373. **"REX LIQUI-DUSTER THE PRESCRIPTION FOR BETTER FRUIT" AND DESIGN.** SPRAYING MACHINES AND DUSTING MACHINES. Registered Nov. 30, 1926. ROCHESTER REX COMPANY, INC., Rochester, N. Y. Renewed Nov. 30, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 23.

221,524. **CARESS.** HOSIERY. Registered Dec. 7, 1926. H. W. ANTHONY COMPANY, Strausstown, Pa., a corporation of Pennsylvania. Renewed Dec. 7, 1946. Class 39.

221,535. **"LOCKTITE" ETC. AND REPRESENTATION OF MAN FIXING TIRE WITHIN A RECTANGULAR OUTLINE.** TIRE PATCH. Registered Dec. 7, 1926. LOCKTITE PATCH COMPANY, Detroit, Mich. Renewed Dec. 7, 1946, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Class 35.

221,920. **FRITZI.** CANDY AND CANDY BARS. Registered Dec. 14, 1926. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Dec. 14, 1946. Class 46.

222,144. **X.** PHOTOGRAPHIC FILM. Registered Dec. 21, 1926. EASTMAN KODAK COMPANY. Renewed Dec. 21, 1946, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Class 26.

222,235. **SILVERMAID.** SILVERWARE CABINETS. Registered Dec. 28, 1926. WILLIAM A. ROGERS, LTD., Niagara Falls, N. Y. Renewed Dec. 28, 1946, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 32.

222,336. **"SHARP & DOHME'S GLYCEROPHOSPHATES COMP." ETC. ON A RECTANGULAR LABEL.** TONIC IN LIQUID FORM FOR STIMULATING ENFEEBLED DIGESTION AND FAULTY NUTRITION, TREATING ANÆMIA, CHLOROSIS, AND FOR USE IN CONVALESCENCE FROM WASTING DISEASES OR THOSE OF LONG DURATION AND DURING RECOVERY FROM MAJOR SURGICAL OPERATIONS. Registered Dec. 28, 1926. SHARP & DOHME, Baltimore, Md., Chicago, Ill., New Orleans, La., St. Louis, Mo., Atlanta, Ga., Kansas City, Mo., and Philadelphia, Pa. Renewed Dec. 28, 1946, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Class 6.

222,353. **MOBO.** ANTIFREEZING RADIATOR GLYCERIN AND A KEROSENE COMPOUND USED AS A TAR REMOVER. Registered Dec. 28, 1926. JOHN T. STANLEY CO. INC., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 6.

222,531. **"KEYSTONE" AND OUTLINE OF A KEYSTONE.** FLOOR WAX AND FURNITURE POLISH. Registered Jan. 4, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 16.

222,644. **ROSARIA.** WOOLEN BLANKETS. Registered Jan. 4, 1927. PENDLETON WOOLEN MILLS, Portland, Oreg., a corporation of Oregon. Renewed Jan. 4, 1947. Class 42.

222,664. **"KEYSTONE" AND REPRESENTATION OF A KEYSTONE.** CLEANING PREPARATION, NOT A SOAP, RECOMMENDED FOR REMOVING SMOKE, SOOT, SOIL, GREASE, OIL, DIRT, GRIME, FLY SPECKS, FINGER, PENCIL, AND INK MARKS, STAINS, ETC., FROM ALL PAINTED, VARNISHED, AND ENAMELED SURFACES, AND CERTAIN OTHER NAMED ARTICLES. Registered Jan. 4, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 4.

222,928. **RECTANGULAR DESIGN, BROKEN DIAGONALLY.** REMEDY FOR CONSTIPATION. Registered Jan. 11, 1927. DESHELL LABORATORIES, INC., Chicago, Ill. Renewed Jan. 11, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

223,094. **"BETTY BINGHAM" ETC. AND SCROLL DESIGN.** CANDY. Registered Jan. 18, 1927. HILLS, MCLEAN & HASKINS, INCORPORATED, Binghamton, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 46.

223,208. **THE FASHION ADVISOR.** MONTHLY MAGAZINE. Registered Jan. 18, 1927. THE CONDÉ NAST PUBLICATIONS, INC., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 38.

223,330. **"BETTY BINGHAM" ETC. AND SCROLL DESIGN.** WRITING PAPER AND CORRESPONDENCE ENVELOPES. Registered Feb. 1, 1927. HILLS, MCLEAN & HASKINS, INCORPORATED, Binghamton, N. Y., a corporation of New York. Renewed Feb. 1, 1947. Class 37.

223,448. **CAPPY.** CANDY AND CANDY BARS. Registered Feb. 1, 1927. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 1, 1947. Class 46.

223,596. **ROSARIA.** CLOTHING—NAMELY, BATH ROBES, SHAWLS, MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, DRESS, NEGLIGEE, WORK, AND UNDERSHIRTS OF KNITTED AND TEXTILE FABRIC; AND OTHER NAMED ITEMS OF CLOTHING. Registered Feb. 8, 1927. PENDLETON WOOLEN MILLS, Portland, Oreg., a corporation of Oregon. Renewed Feb. 8, 1947. Class 39.

223,631. **"GENUINE SILVERSTRYPE SUIT" AND RECTANGULAR DESIGN.** MEN'S, BOYS' AND YOUTHS' CLOTHING — VIZ., OVERCOATS; TWO-PIECE SUITS—VIZ., COATS AND TROUSERS; THREE-PIECE SUITS—VIZ., COATS, VESTS AND TROUSERS; FOUR-PIECE SUITS—VIZ., COATS, VESTS AND TWO PAIRS OF TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. Registered Feb. 8, 1927. CHAS. DOUGLIS MACK CO. INC., New York, N. Y. Renewed Feb. 8, 1947, to Morris Mack, Jamaica, N. Y. Class 39.

223,757. **HEAT MEASURED.** BED TEXTILE BLANKETS, FLANNELS, SUITINGS IN THE PIECE. Registered Feb. 8, 1927. PENDLETON WOOLEN MILLS, Portland, Oreg., a corporation of Oregon. Renewed Feb. 8, 1947. Class 42.

223,939. **CLEAR VIEW.** BUTTER, EGGS, AND DRESSED POULTRY. Registered Feb. 15, 1927. OMAHA COLD STORAGE COMPANY, Omaha, Nebr., a corporation of Nebraska. Renewed Feb. 15, 1947. Class 46.

224,103. **"BRASSIERETTE".** SLIPOVER GARMENT SHIELDS. Registered Feb. 15, 1927. I. B. KLEINERT RUBBER COMPANY, New York, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 40.

224,586. **FLOR DE LA MAQUINA.** CIGARS. Registered Mar. 1, 1927. STEPHEN D. SMITH, Brooklyn, N. Y. Renewed Mar. 1, 1947, to International Cigar Machinery Company, Flemington, N. J., and New York, N. Y., a corporation of New Jersey. Class 17.

224,893. **SAFEWAY.** GRAPE JUICE. Registered Mar. 8, 1927. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif. Renewed Mar. 8, 1947, to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland. Class 45.

224,913. **DOCAWAY.** FRESH APPLES. Registered Mar. 8, 1927. NASHOBA APPLE PACKING ASSOCIATION INCORPORATED, Littleton, Mass. Renewed Mar. 8, 1947, to Nashoba Apple Packing Association Incorporated, Ayer, Mass., a corporation of Massachusetts. Class 46.

225,228. **"AGAROL" ETC. AND REPRESENTATION OF BOTTLE, PARTIALLY SHADED TO INDICATE THE COLOR YELLOW.** MEDICINAL PREPARATION USED AS A LAXATIVE. Registered Mar. 15, 1927. WILLIAM R. WARNER & CO., INC., New York, N. Y., a corporation of Delaware. Renewed Mar. 15, 1947. Class 6.

225,329. **"PINK TOP" AND REPRESENTATION OF TOP.** NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered Mar. 15, 1927. THE GRAND POP BOTTLING COMPANY. Renewed Mar. 15, 1947, to Grand Pop Bottling Company, Cincinnati, Ohio, a partnership. Class 45.

225,415. **CARAVAN.** CANNED FISH. Registered Mar. 15, 1927. PYRAMID PACKING COMPANY, Sitka, Territory of Alaska. Renewed Mar. 15, 1947, to Pyramid Fisheries Company, Inc., Seattle, Wash., a corporation of Washington. Class 46.

225,594. **"SAFEWAY STORES" ETC.** CANNED OLIVES, CANNED WHITE-MEAT TUNNY, JAMS, JELLIES, CANNED VEGETABLES, AND HONEY. Registered Mar. 22, 1927. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif. Renewed Mar. 22, 1947, to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland. Class 46.

225,659. **SPRAMALT.** FOOD PRODUCT COMPOSED of MALT EXTRACT AND CEREALS IN POWDER FORM. Registered Mar. 22, 1927. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Renewed Mar. 22, 1947, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

225,894. **NASSAU.** READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, PRIMERS, DRYERS, FILLERS, AND JAPANS. Registered Mar. 29, 1927. JAMES NASSAU COMPANY, INC. Renewed Mar. 29, 1947, to Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York. Class 16.

225,905. **HELMET.** SHOVELS, SPADES, AND SCOOPS. Registered Mar. 29, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Renewed Mar. 29, 1947, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

225,934. **H O.** ACTIVE LIVER PILLS, TAR COMPOUND, TOOTHACHE DROPS, CORN REMEDY, RUSSIAN MINERAL OIL, PEPTONIZED BEEF AND IRON, AND OTHER SUCH PREPARATIONS. Registered Mar. 29, 1927. WILLIAM J. O'SHAUGHNESSY, doing business as H. O. Drug Company, Brooklyn, N. Y. Renewed Mar. 29, 1947. Class 6.

225,954. **REPRESENTATION OF SODA CRYSTALS POURING FROM A SPOON ENCLOSED IN A CIRCLE.** WASHING SODA. Registered Mar. 29, 1927. THE BUCKEYE SODA COMPANY, Painesville, Ohio, a corporation of Ohio. Renewed Mar. 29, 1947. Class 6.

225,970. **NATIONAL LIVE STOCK PRODUCER.** MONTHLY MAGAZINE. Registered Mar. 29, 1927. NATIONAL LIVE STOCK PRODUCERS ASSOCIATION, Chicago, Ill., a corporation of Illinois. Renewed Mar. 29, 1947. Class 38.

226,218. **DEVIL DOGS.** CAKES. Registered Apr. 5, 1927. S. GUMPERT CO., INC., Brooklyn, N. Y. Renewed Apr. 5, 1947, to S. Gumpert Co., Inc., Ozone Park, N. Y., a corporation of New York. Class 46.

226,278. **DRIGUARD.** SOLE LEATHER AND HARNESS LEATHER. Registered Apr. 5, 1927. THE HAFFNER BROTHERS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 5, 1947. Class 1.

226,399. **REXCO.** FIRE CLAY. Registered Apr. 5, 1927. THE REX CLAY PRODUCTS COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Apr. 5, 1947. Class 1.

226,492. **INDO-CARBON.** DYES AND DYESTUFFS. Registered Apr. 12, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Renewed Apr. 12, 1947. Class 6.

226,507. **DIXIES.** METAL CASES AND BOXES FOR DISPENSING CUPS. Registered Apr. 12, 1927. INDIVIDUAL DRINKING CUP CO., INC., Easton, Pa. Renewed Apr. 12, 1947, to Dixie Cup Company, Chicago, Ill., a corporation of Delaware. Class 2.

226,596. **MASSACHUSETTS.** SHOVELS, SPADES, AND SCOOPS. Registered Apr. 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Renewed Apr. 12, 1947, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

226,600. **CARTER.** SHOVELS, SPADES, AND SCOOPS. Registered Apr. 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Renewed Apr. 12, 1947, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

226,607. **MALTAY.** FOOD PRODUCT COMPOSED OF MALT EXTRACT AND CEREALS IN POWDER FORM. Registered Apr. 12, 1927. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Renewed Apr. 12, 1947, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

226,615. **CENCO.** ACETAMIDE, ACETANILIDE, ACETIC ANHYDRIDE, ACETONE, ACETOPHENONE, ACETYL BROMIDE, ACETYLCHLORIDE, ACETIC ACID, ACETYLSALICYLIC ACID, AND OTHER NAMED CHEMICAL ITEMS. Registered Apr. 12, 1927. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Apr. 12, 1947. Class 6.

226,628. **"VX" AND REPRESENTATION OF INSECTS.** INSECTICIDES, LIQUID. Registered Apr. 12, 1927. LANAIR CHEMICAL CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed Apr. 12, 1947. Class 6.

226,636. **COLONIAL.** FILING CABINETS. Registered Apr. 12, 1927. COLUMBIA STEEL EQUIPMENT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 12, 1947. Class 32.

226,854. **SAFEWAY.** LOGANBERRY JAM, FIG JAM, PEACH JAM, APRICOT JAM, RASPBERRY JAM, PLUM JAM, BLACKBERRY JAM, STRAWBERRY JAM, CANNED BEETS, CANNED ASPARAGUS TIPS, AND OTHER NAMED GROCERY ITEMS. Registered Apr. 19, 1927. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif. Renewed Apr. 19, 1947, to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland. Class 46.

227,069. **WIGWAM.** CORNSTARCH, EVAPORATED MILK, CANNED SOUPS, BAKING CHOCOLATE AND COCOA, PREPARED COCONUT, TEAS, COFFEES, SPICES, AND OTHER NAMED FOOD ITEMS. Registered Apr. 26, 1927. CARPENTER COOK COMPANY, Menominee, Mich., a corporation of Michigan. Renewed Apr. 26, 1947. Class 46.

227,104. **ECLIPSE.** LAWN MOWERS. Registered Apr. 26, 1927. THE ECLIPSE LAWN MOWER CO., Prophetstown, Ill., a corporation of Illinois. Renewed Apr. 26, 1947. Class 23.

227,105. **TROJAN.** GUMMED TAPE. Registered Apr. 26, 1927. THE GUMMED PRODUCTS COMPANY, Troy, Ohio, a corporation of Ohio. Renewed Apr. 26, 1947. Class 37.

227,112. **"GOOD COMPANY".** CANDY. Registered Apr. 26, 1927. BUNTE BROTHERS, Chicago, Ill., a corporation of Illinois. Renewed Apr. 26, 1947. Class 46.

227,180. **TRUMPET.** SHEETS AND PILLOWCASES. Registered May 3, 1927. FORT MILL MANUFACTURING CO., Fort Mill, S. C. Renewed May 3, 1947, to The Springs Cotton Mills, Lancaster, S. C., a corporation of South Carolina. Class 42.

227,181. **LOTUS BLOSSOM.** WEDDING RINGS. Registered May 3, 1927. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Renewed May 3, 1947. Class 28.

227,213. **JOHNSON'S.** ELECTRIC FLOOR-POLISHING MACHINES. Registered May 3, 1927. S. C. JOHNSON & SON. Renewed May 3, 1947, to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin. Class 21.

227,227. **SKYROCKET.** FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES. Registered May 3, 1927. EXETER CITRUS ASSOCIATION, Exeter, Calif., a corporation of California. Renewed May 3, 1947. Class 46.

227,246. **"T. H. WITHERBY WARRANTED" AND RECTANGULAR OUTLINE.** HAND TOOLS AND MECHANICS' TOOLS—NAMELY, CHISELS, DRAWING KNIVES, GOUGES, AND SCRATCH AWLS. Registered May 3, 1927. THE WINSTED EDGE TOOL WORKS, Winsted, Conn., a corporation of Connecticut. Renewed May 3, 1947. Class 23.

227,311. **"BOOTIES".** HOSIERY. Registered May 3, 1927. J. W. LANDENBERGER & CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 3, 1947. Class 39.

227,334. **"ETUNA".** ADJUSTERS OR TUNERS FOR VIOLINS. Registered May 3, 1927. SIMSON & FREY, INC., New York, N. Y. Renewed May 3, 1947, to Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio. Class 36.

227,359. **"Z" AND HEBREW CHARACTERS MEANING "KOSHER" IN A CIRCULAR DESIGN.** SALAMI. Registered May 3, 1927. ZION NATIONAL KOSHER SAUSAGE FACTORY, INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 46.

227,408. **DELOCO.** KRINKLE-BRAIDED RUGS. Registered May 3, 1927. DELTOX RUG COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Renewed May 3, 1947. Class 42.

227,420. **"TANNATE" AND REPRESENTATION OF HANDS ETC. IN A DIAMOND SHAPED OUTLINE.** MOCCASIN LACES AND SHOE STRINGS. Registered May 3, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed May 3, 1947. Class 40.

227.512. **"GRAND DUKE" AND A FANCIFUL PORTRAIT WITHIN A FLORAL BORDER.** CANNED CAVIAR. Registered May 10, 1927. MEYER & LANGE, INC., New York, N. Y., a corporation of New York. Renewed May 10, 1947. Class 46.

227,532. **IN-WOV-IN.** HOSIERY. Registered May 10, 1927. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J., a corporation of New Jersey. Renewed May 10, 1947. Class 39.

227,544. **"ROYAL SCARLET DAINTY" AND BOW OF RIBBON LINED TO INDICATE THE COLOR SCARLET.** CANNED VEGETABLES. Registered May 10, 1927. R. C. WILLIAMS & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 10, 1947. Class 46.

227.552. **"TANNATE" AND REPRESENTATION OF HANDS ETC. IN A DIAMOND SHAPED OUTLINE.** FLAT BELT LEATHER AND HYDRAULIC LEATHER. Registered May 10, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed May 10, 1947. Class 1.

227,553. **"TANNATE" AND REPRESENTATION OF HANDS ETC. IN A DIAMOND SHAPED OUTLINE.** LUG STRAPS, LOOM STRAPS, HARNESS STRAPS, PICKER STRAPS, CHECK STRAPS, DOBBY STRAPS, AND BEATER STRAPS, FOR USE ON TEXTILE MACHINERY. Registered May 10, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed May 10, 1947. Class 23.

227,554. **"TANNATE" AND REPRESENTATION OF HANDS ETC. IN A DIAMOND SHAPED OUTLINE.** WHOLE SOLES, HALF SOLES, AND HAND LEATHERS USED IN HANDLING ROUGH MATERIALS. Registered May 10, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed May 10, 1947. Class 39.

227,593. **"RED STRIPE" AND REPRESENTATION OF A ROLL OF STRAW PAPER.** HEAVY STRAW PAPER USED IN THE MANUFACTURE OF CORRUGATED BOARD FOR SHIPPING CONTAINERS. Registered May 10, 1927. THE WESTON PAPER & MANUFACTURING COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed May 10, 1947. Class 37.

227,603. **WART "FIX".** REMEDY FOR WARTS. Registered May 10, 1927. CORN FIX CO., INC., Newark, N. J., a corporation of New Jersey. Renewed May 10, 1947. Class 6.

227,604. **REPRESENTATION OF SHEETS OF STRAW PAPER WITH RED STRIPING.** HEAVY STRAW PAPER USED IN THE MANUFACTURE OF CORRUGATED BOARD FOR SHIPPING CONTAINERS. Registered May 10, 1927. THE WESTON PAPER & MANUFACTURING COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed May 10, 1947. Class 37.

227,647. **COLGATE.** LIQUID AND POWDER PERFUMES, TOILET WATER, TALC POWDER, FACE POWDER, COLD CREAMS, DENTAL CREAM, DENTAL POWDER, AND OTHER SUCH GOODS. Registered May 10, 1927. COLGATE & COMPANY. Renewed May 10, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

227,678. **"MADELON" AND OUTLINE DESIGN.** WOMEN'S APPAREL—NAMELY, HOSIERY, LEATHER SHOES, AND SUITS. Registered May 10, 1927. MADELON MODES, INC., New York, N. Y., a corporation of New York. Renewed May 10, 1947. Class 39.

235,073. **"WYANDOTTE" AND PICTURE OF INDIAN WITH BOW AND ARROW.** CLEANING AND CLEANSING MATERIALS COMPRISING DRY SOLUBLE ALKALI POWDERS, COMBINATIONS, AND MIXTURES THEREOF, FOR CLEANING, CLEANSING, SCRUBBING, SCOURING, AND WASHING, FOR HOUSEHOLD, LAUNDRY, FACTORY, AND OTHER GENERAL CLEANING PURPOSES, AND OTHER NAMED SIMILAR ARTICLES. Registered Nov. 8, 1927. THE J. B. FORD COMPANY. Renewed Nov. 8, 1947, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 4.

REISSUES

JULY 15, 1947

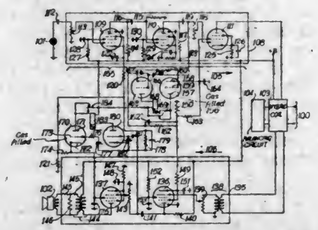
22,897

TRANSMISSION SYSTEM

Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Original No. 2,371,291, dated March 13, 1945, Serial No. 404,136, July 26, 1941, which is a division of Serial No. 290,090, August 14, 1939. Application for reissue July 26, 1945, Serial No. 607,231

11 Claims. (Cl. 179—81)



1. In a transmission system, a signal current transmission channel including amplifying means, said amplifying means including a stage comprising an electron discharge tube having a screen electrode, a control circuit having an input circuit coupled to said channel at a point preceding said amplifier stage and comprising a gaseous discharge tube including an anode and a cathode separated to define a space current path and a start electrode for controlling the flow of current over said path, means included in said input circuit for impressing a unidirectional start potential upon said start electrode when signal currents traverse said channel, means controlled by the resulting flow of space current over said path for impressing an operating potential upon said screen electrode, thereby to render said amplifier stage operative, and relay means controlled by said input circuit operative to lower momentarily the potential difference between said cathode and anode of said gaseous discharge tube when the flow of signal currents through said channel is arrested, thereby to arrest the flow of current over said path and to restore the control of said space current path to said start electrode.

22,898

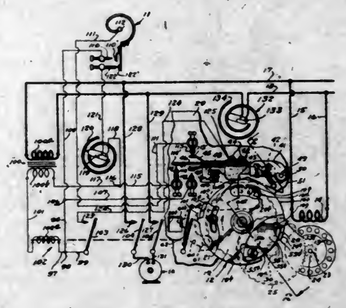
STOKER CONTROL

Elmer K. Scoggin, Golden Valley, Minn., assignor to Minneapolis Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original No. 2,234,388, dated March 11, 1941, Serial No. 65,226, February 24, 1936. Application for reissue December 1, 1941, Serial No. 421,252

33 Claims. (Cl. 236—46)

1. In a control system, in combination, a circuit, condition responsive means to open and close said circuit, additional means to open and close said circuit at predetermined time intervals, and a mechanical latch means movable by said condition responsive means to latching position to maintain said additional means in open



position during the period when said condition responsive means closes said circuit and for an appreciable period subsequent to the opening thereof by said condition responsive means.

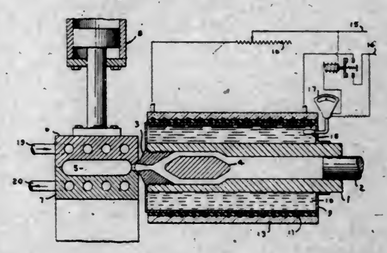
22,899

INJECTION MOLDING GRANULAR MATERIALS

Warren R. Tucker, Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware

Original No. 2,359,013, dated September 26, 1944, Serial No. 388,477, April 14, 1941, which is a division of Serial No. 309,797, December 18, 1939. Application for reissue April 16, 1945, Serial No. 588,442

9 Claims. (Cl. 18—55)



1. The process of injection molding which comprises heating granular plastic in an injection chamber to a relatively low temperature to heat the same but to retain its granular form, and injecting it in granular form into a hot mold to prevent any substantial reduction in temperature in the transfer from the injection chamber to the mold, the mold being heated sufficiently and the injection pressure applied on the material in the mold being sufficient to cause the granular injected material to rapidly plasticize and flow into a homogeneous article taking the form of the mold.

REISSUES

JULY 15, 1947

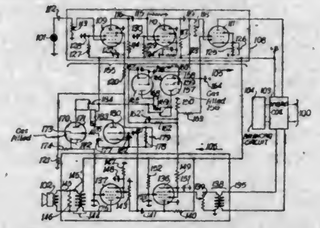
22,897

TRANSMISSION SYSTEM

Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Original No. 2,371,291, dated March 13, 1945, Serial No. 404,136, July 26, 1941, which is a division of Serial No. 290,090, August 14, 1939. Application for reissue July 26, 1945, Serial No. 607,231

11 Claims. (Cl. 179—81)



1. In a transmission system, a signal current transmission channel including amplifying means, said amplifying means including a stage comprising an electron discharge tube having a screen electrode, a control circuit having an input circuit coupled to said channel at a point preceding said amplifier stage and comprising a gaseous discharge tube including an anode and a cathode separated to define a space current path and a start electrode for controlling the flow of current over said path, means included in said input circuit for impressing a unidirectional start potential upon said start electrode when signal currents traverse said channel, means controlled by the resulting flow of space current over said path for impressing an operating potential upon said screen electrode, thereby to render said amplifier stage operative, and relay means controlled by said input circuit operative to lower momentarily the potential difference between said cathode and anode of said gaseous discharge tube when the flow of signal currents through said channel is arrested, thereby to arrest the flow of current over said path and to restore the control of said space current path to said start electrode.

22,898

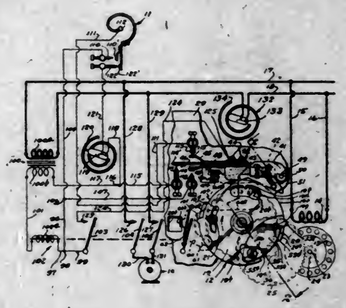
STOKER CONTROL

Elmer K. Scoggin, Golden Valley, Minn., assignor to Minneapolis Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original No. 2,234,388, dated March 11, 1941, Serial No. 65,226, February 24, 1936. Application for reissue December 1, 1941, Serial No. 421,252

33 Claims. (Cl. 236—46)

1. In a control system, in combination, a circuit, condition responsive means to open and close said circuit, additional means to open and close said circuit at predetermined time intervals, and a mechanical latch means movable by said condition responsive means to latching position to maintain said additional means in open



position during the period when said condition responsive means closes said circuit and for an appreciable period subsequent to the opening thereof by said condition responsive means.

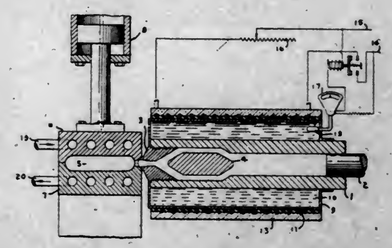
22,899

INJECTION MOLDING GRANULAR MATERIALS

Warren R. Tucker, Dayton, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware

Original No. 2,359,013, dated September 26, 1944, Serial No. 388,477, April 14, 1941, which is a division of Serial No. 309,797, December 18, 1939. Application for reissue April 16, 1945, Serial No. 588,442

9 Claims. (Cl. 18—55)

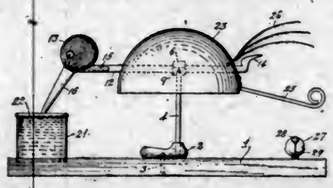


1. The process of injection molding which comprises heating granular plastic in an injection chamber to a relatively low temperature to heat the same but to retain its granular form, and injecting it in granular form into a hot mold to prevent any substantial reduction in temperature in the transfer from the injection chamber to the mold, the mold being heated sufficiently and the injection pressure applied on the material in the mold being sufficient to cause the granular injected material to rapidly plasticize and flow into a homogeneous article taking the form of the mold.

22,900
POWER UNIT FOR AMUSEMENT DEVICES AND THE LIKE

Charles Harold, Butler, N. J., assignor, by mesne assignments, of eighty-five per cent to John Burton Tigrett and Francis Tomlin Tigrett, a copartnership, doing business as Future Unlimited, Jackson, Tenn., and fifteen per cent to Dos T. Hatfield, Arlington, Va.

Original No. 2,240,906, dated May 6, 1941, Serial No. 287,213, July 29, 1939. Application for reissue April 22, 1947, Serial No. 743,032
8 Claims. (Cl. 46—119)



1. A toy, amusement device or the like, comprising an operated member, said member representing an object adapted to convey intelligence to the observer, an operating member adapted to create power and cooperatively associated with said operated member, said operating member comprising an air-exhausted hollow member, a support associated with said hollow member with respect to which said hollow member has cyclic movement, a heat sensitive medium in said hollow member, a warm portion and a cool portion associated with said hollow member and in spaced relation with respect to each other, said heat sensitive medium being adapted to volatilize when in proximity to said warm portion and to flow toward said cool portion and to condense when in proximity to said cool portion, said heat sensitive medium being one of low boiling point and adapted to boil at ordinary room temperature when condensation occurs at said cool portion, said cool portion being adapted to be cooled, and maintained cooled during operation of the device, to a temperature sufficiently below the temperature of said warm portion to cause at least a partial condensation of said heat sensitive medium therein, the weight of the condensed heat sensitive medium in proximity to the cool portion causing movement of the operating member in one direction, said condensed heat sensitive medium flowing from said cool portion to said warm portion and causing movement of said operating member in the opposite direction, said operated member being physically associated with a portion of said operating member, said condensed heat sensitive medium in proximity to said warm portion then being revolatilized, such cycle of vaporization and condensation of said medium and movement thereof in said hollow member being continued over long periods of time.

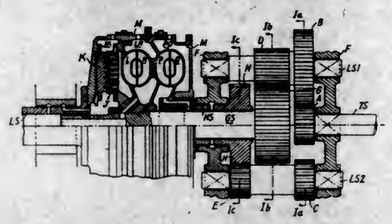
PATENTS

GRANTED JULY 15, 1947

2,423,820
TRANSMISSION GEARING FOR POWER PLANTS

Karl Baumann, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain

Application January 6, 1944, Serial No. 517,269
In Great Britain August 18, 1942
14 Claims. (Cl. 74—189.5)
Section 1, Public Law 690, August 8, 1946.
Patent expires August 18, 1962

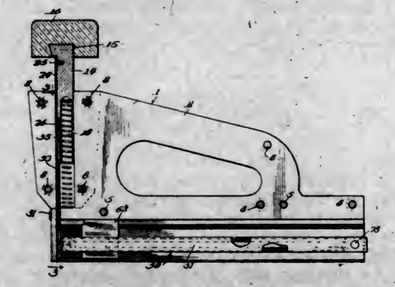


1. In gearing for driving a load shaft from an elastic fluid turbine, in combination with a load shaft, driving shafting, lay shafts having fixed axes parallel to and surrounding said shafting, driving gearing on said shafting, intermediate gearing on said lay shafts meshing with said gearing on said shafting, oppositely rotatable members, gears on said members driven by said intermediate gearing and adapted to rotate said members in opposite directions, and two independently controllable clutches capable when slipping of absorbing considerable power and having their relatively movable parts respectively connected to said oppositely rotatable members and to said load shaft whereby by selected operation of said clutches said load shaft may be driven in either one direction or the other or be stopped while the driving shafting is still rotating.

2,423,821
NAILING MACHINE

Edgar P. Anstett, Chicago, Ill., assignor of twenty per cent to Carl J. Anstett and twenty-five per cent to Dolly Anstett, both of Chicago, Ill.

Original application December 1, 1943, Serial No. 512,673. Divided and this application April 23, 1945, Serial No. 589,911
3 Claims. (Cl. 1—46)

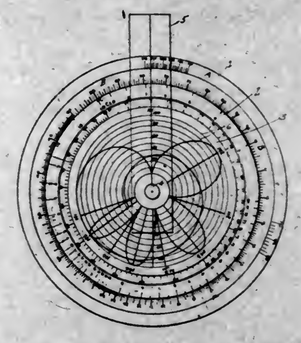


1. A nail driving machine having a driving plunger and a nail driving blade secured thereto, the driving end of the blade having a stem adapted to engage a nail, said stem being of a cross sectional area less than that of the rest of the blade, the length of the stem being at least equal to the distance a nail is to be driven by the stem, and stationary means covering the front and rear surfaces of the stem for a length at least equal to the stroke thereof and forming guiding surfaces along which the front and rear faces of the stem move as the blade is actuated.

2,423,822
CALCULATOR

Isidor Auerbach, Drew Field, Fla.

Application October 27, 1944, Serial No. 560,581
2 Claims. (Cl. 235—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for calculating the vertical polar diagram of a radar station, comprising a first disc having a first direct frequency scale section of a predetermined range of frequencies and a second direct frequency scale section of a different range of frequencies, and a logarithmic scale drawn completely around the periphery of the first disc, a second disc, of less diameter than the first disc, said second disc having a first scale drawn about its periphery to represent logarithms of squares and a second scale drawn to the squares of the first scale and a third scale similar to the logarithmic scale on the first disc, a third disc of less diameter than the second disc and having ten equidistant concentric circles inscribed thereon, said third disc having the first five lobes of a polar lobe diagram plotted over the concentric circles, and a rotating arm, said discs and arm being rotatable about a common pivot.

2,423,823
CELLULOSE ESTER-POLYESTER COMPOSITIONS AND METHODS OF PREPARING THEM

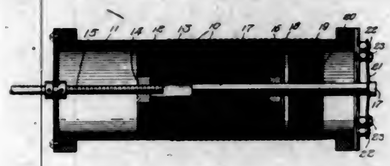
William O. Baker, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application June 26, 1943, Serial No. 492,451
12 Claims. (Cl. 260—16)

1. A composition of matter comprising an intimate homogeneous mixture of cellulose acetate-

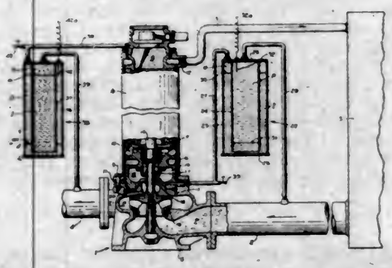
butyrate material containing by weight not less than about 21 per cent of butyryl, not less than about 2 per cent and not more than about 22 per cent of acetyl and between about 0.2 and 0.5 mol of hydroxyl per glucose unit; and between about 1 and about 25 per cent by weight of the cellulose acetate-butyrate material of synthetic linear polyester material produced by condensation polymerization reaction of a polymer-forming composition consisting of reacting materials selected from the class consisting of (*a*) polymerizable monohydroxy monocarboxylic acids and (*b*) mixtures of glycols and dicarboxylic acids, said polyester possessing an average molecular weight of at least about 5,000 as determined by the Staudinger viscosity method.

2,423,824
INDUCTIVE TUNING
Robert B. Beetham, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application April 10, 1943, Serial No. 482,661
9 Claims. (Cl. 171—242)



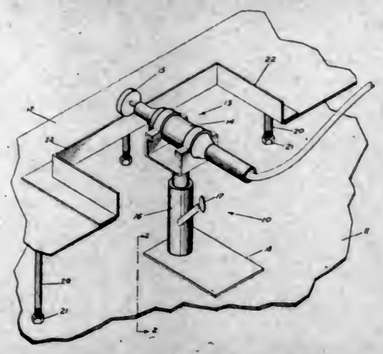
1. A tuning arrangement of the character described, including: a coil; a core axially movable in the coil for tuning, the movement of this core effecting a substantial variation in the inductance of the coil; a second shorter core operatively associated with one end of the coil, this core also being axially movable in the coil; and tuning means operatively connected to both of said cores to effect the desired movements thereof.

2,423,825
MOTOR PUMP UNIT
Carl J. Blom, San Marino, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application July 6, 1945, Serial No. 603,413
5 Claims. (Cl. 103—87)



1. A motorpump comprising: a housing structure defining a motor compartment containing a body of dielectric liquid, a pump chamber, and a seal chamber intermediate the motor compartment and the pump chamber and containing a body of liquid; a motor in said motor compartment; a shaft extending from the motor compartment through the seal chamber and into the pump chamber and connected to a pumping element therein; semi-effective mechanical seals for said shaft normally isolating said seal chamber from said motor compartment and from said pump chamber; means for subjecting said seal chamber to the pressure of the pump liquid on the suction side of said pumping element; means for subjecting said motor compartment to the pressure of the pump liquid on the discharge side of said pumping element; and means for subjecting the pump chamber side of the shaft seal separating the pump chamber from the seal chamber to the pressure of the pump liquid on the discharge side of said pumping element.

2,423,826
GRINDING APPARATUS
Angelo B. Cardone, Camden, N. J., and William J. Gorman, Darby, and Francis A. Rarick, Philadelphia, Pa.
Application December 14, 1945, Serial No. 635,138
3 Claims. (Cl. 51—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. Apparatus for performing work upon a workpiece comprising a toolholder mounted on a stand having a base, an element having a surface, said base being slidably positioned on said surface, a supporting table positioned in spaced relation and substantially parallel to said surface, said supporting table being adapted to receive a workpiece and to support said workpiece with a work surface positioned to be contacted by a tool held by said toolholder as said toolholder is caused to slide on said surface.

2,423,827
TENNIS BALL COVER CLOTH
Zephir J. Chagnon, Delmar, N. Y., assignor to Albany Felt Company, Albany, N. Y., a corporation of New York
Application January 12, 1945, Serial No. 572,571
12 Claims. (Cl. 139—426)



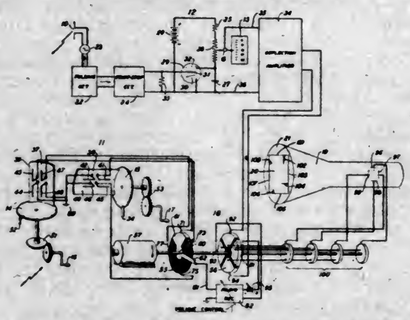
1. A tennis ball covering cloth comprising a woven and fulled fabric having warp and filler yarns, and formed partially of wool fibers and partially of "nylon" fibers; the fibers exposed on that surface of said fabric adapted to form the outer or wearing side of said ball covering being matted together and including an appreciable quantity of "nylon" fibers.

2,423,828
PAPERMAKER'S FELT
Zephir J. Chagnon, Delmar, N. Y., assignor to Albany Felt Company, Albany, N. Y., a corporation of New York
Application June 4, 1945, Serial No. 597,581
14 Claims. (Cl. 139—384)



1. A papermaker's felt adapted for use in the manufacture of pulp, paper, paper board, asbestos-cement products, and insulating board, and comprising an endless woven and fulled structure having warp and filler yarns, one of said yarns forming a substantial portion of the felt surface and having fibers of wool and fibers of a synthetic resin exposed on the surface of the yarn; the synthetic fibers constituting substantially more than 5%, by weight, of the felt but less than will prevent appreciable fulling of said felt; whereby the useful life of said felt is materially increased.

2,423,829
INDICATING SYSTEM
Enoch B. Ferrell, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,627
4 Claims. (Cl. 315—24)



1. A visual indicator for simultaneously selecting preferred values of three variable quantities, comprising means for displaying four linear marks in two parallel pairs, means to vary the relative lengths of the marks in one pair in response to changes in the value of one of said variable quantities, means to vary the relative lengths of the marks in the other pair in response to changes in the value of a second of said variable quantities, and means to move the marks of either pair in the direction perpendicular to their lengths in response to changes in the value of the third of said variable quantities.

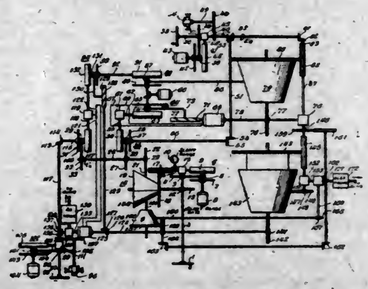
2,423,830
CATHODE-RAY SCREEN HAVING CONTRASTING COLORS AND UNLIKE RATES OF DECAY OF LUMINESCENCE
Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 25, 1943, Serial No. 480,505
8 Claims. (Cl. 250—164)

1. A cathode ray screen comprising the combination of phosphors which are capable when excited of emitting visible light of contrasting colors and which are characterized by having unlike rates of decay of luminescence, said rates of luminescent decay differing by such amount



that the combined color of the visible light emitted by said phosphors varies sufficiently to be observable by the human eye as the luminescence decays.

2,423,831
APPARATUS FOR DIRECTING GUNS
Robert F. Garbarini, Woodside, and Willis G. Wing, West Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 1, 1943, Serial No. 477,664
13 Claims. (Cl. 235—61.5)



1. A director for controlling the fire of guns against moving targets comprising means for setting into said director azimuth and elevation velocities of a target, a second means for setting into said director the range and the rate of change of said range, a third means actuated by said second means for computing time of flight as a function of said range and the rate of change of said range, a prediction mechanism actuated by the first mentioned means and said third means for multiplying respectively said azimuth and elevation velocities by said time of flight to obtain azimuth and elevation components of the predicted change in the position of said target, and another means responsive to the actuation of said prediction mechanism for converting said components into changes in gun aiming angles.

2,423,832
INFLATABLE, COLLAPSIBLE, MILITARY PONTOON BRIDGE
James J. Gearon, Chicago, Ill.
Application December 21, 1942, Serial No. 469,715
10 Claims. Cl. 114—0.5)



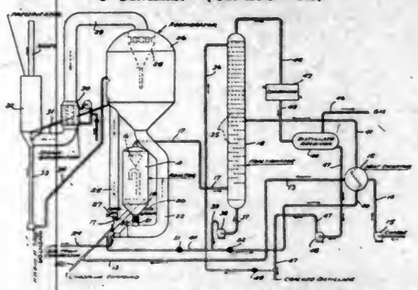
1. A float for pontoon bridges, rafts, and the like, comprising an inflatable envelope having a normally flat rectangular surface region and a region normally arcuate in cross-section, said envelope being disposed with its flat surface uppermost; a combined envelope-reinforcing and platform supporting frame secured to the upper portion of said envelope and having said flat surface region secured taut thereto to restrict upward bulging thereof; and longitudinal members ex-

tending along the sides of said envelope, said longitudinal members adapted for cooperation with devices for connecting the float to an adjacent float.

2,423,833
FLUID CATALYTIC CONVERSION OF HYDROCARBON OILS

Joel H. Hirsch, Oakmont, Pa., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application August 19, 1944, Serial No. 550,173
9 Claims. (Cl. 196—52)

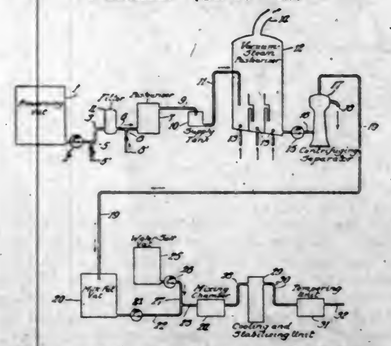


1. A process for the fluid catalytic conversion of hydrocarbon oil which comprises heating Super-Filtrol in a catalyst regenerating zone, passing a stream of heated Super-Filtrol from the regenerating zone to a reaction zone, injecting a compound of chromium convertible to chromic oxide into said stream before passage of the stream into the reaction zone, said compound being converted to chromic oxide by contact with the hot Super-Filtrol and the chromic oxide deposited on the Super-Filtrol thereby producing a catalyst, thereafter flowing the catalyst and hydrocarbon oil to be converted into the catalytic reaction zone, and passing the spent catalyst from the reaction zone into the regenerating zone.

2,423,834
MILK FAT CONCENTRATE PROCESS

Herman C. Horneman, Ralph V. Hussong, and Sidney N. Quam, Danville, Ill., and Bernard W. Hammer, Ames, Iowa, assignors, by direct and mesne assignments, to Sugar Creek Creamery Company, Danville, Ill., a corporation of Delaware, and Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware, as joint owners

Application December 6, 1940, Serial No. 368,750
6 Claims. (Cl. 99—62)

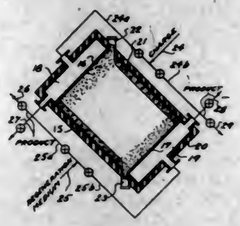


1. The process of making a milk fat concentrate of value as an intermediate in the process of producing butter, which comprises subjecting cream containing milk fat in the dispersed phase to reduced pressure, subjecting the cream while at the reduced pressure to the direct action of steam, concentrating the milk fat by subjecting the treated cream while at a temperature above the melting point of said fat to a centrifuging action, and separating the concentrated fat in the continuous phase from the other constituents of said cream.

2,423,835
INERT HEAT MATERIAL IN CONTACT MASS CATALYSIS

Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application April 17, 1942, Serial No. 439,338
5 Claims. (Cl. 260—680)



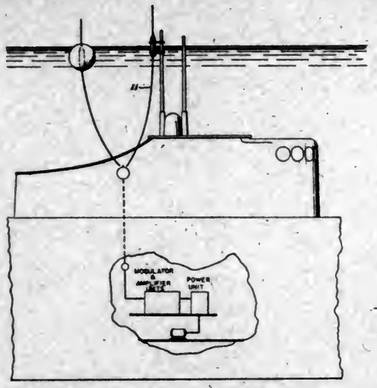
1. Process of effecting contacting operations for processing hydrocarbons in a reaction chamber containing a contact mass subjected to alternating on-stream and regenerating reactions, the contact mass comprising catalyic material and substantially inert heat absorbing material in the ratio of at least 1:3, limiting the on-stream periods to less than thirty minutes, and adjusting the operating conditions to maintain the contact mass at a predetermined mean temperature in excess of about 850° F. during on-stream operations in a continuing cycle by the heat liberated and absorbed by said mass during the alternating regenerating periods, both the on-stream and the regenerating reactants being fed to and through the reaction chamber in the same direction and reversing the direction of feed after each regeneration.

2,423,836
ULTRA HIGH FREQUENCY COMMUNICATION SYSTEM

Burton G. Lake and William C. Eddy, United States Navy

Application February 11, 1936, Serial No. 63,308
8 Claims. (Cl. 250—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a remotely controlled ultra-high frequency radio transmission system, a thermionic tube having a cathode, an anode, and a control electrode, said tube being located at a point favorable for the transmission of ultra-high frequency radio energy, a control station located at a point where transmission of ultra-high frequency radio energy is impossible, a control cable having at least three conductors extending from said control station to said tube, a source of cathode energizing potential at said control station, a source of anode potential at said control station, means comprising two of the conductors of said cable for energizing the cathode of said tube from said source of cathode potential, means comprising one of the conductors of said cable for applying potential to the anode of said tube from said source of anode potential, an ultra-high frequency resonant circuit connecting the cathode, anode, and control electrode of said tube for generating and sustaining oscillations

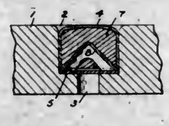


therein, means operable from said control station to change the frequency of resonance of said resonant circuit for reception, a half wave antenna capacitively coupled to the anode of said tube, and means located at said control station for varying the anode current in said tube in accordance with a signal.

2,423,837
PRIMER

Carl A. Martin, Negaunee, Mich.

Application February 26, 1942, Serial No. 432,413
6 Claims. (Cl. 102—86.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



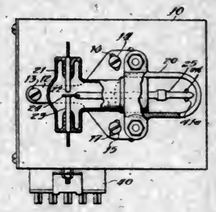
1. In a cartridge having a primer and a main charge, separating means between said primer and said charge, said separating means comprising a low melting alloy fusible at a temperature below 100° C.

2,423,838
KEYING RELAY

Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa

Application October 2, 1942, Serial No. 460,581
3 Claims. (Cl. 200—87)

3. In a radio keying relay having high voltage switch means and low voltage switch means which must be operated in coordinated relation, the high voltage switch means comprising a tube element having switch means sealed therein and an operating arm projecting through the envelope thereof, actuating means including: a housing; motor means in the housing; an element movably mounted on the housing; a socket fixedly mounted on said element and spaced from the housing, the tube being carried by said socket; and a shaft extending from the housing toward the socket and carrying means engaging said arm, the shaft being movable by the motor means and rotatable about an axis perpendicular to the plane of movement of the operating arm, the axis of the shaft when extended at the top passing closely adjacent to the point where the arm passes through the tube envelope, and the socket-carrying element being pivotally movable about an axis parallel to that of the shaft and spaced therefrom



on the side opposite that on which said arm extends, the free end of the socket-carrying element having a pair of spaced apart extensions each carrying an insulating post one on each side of the shaft upon which posts the socket is fixed, and means for effecting fine adjustment of the position of said element and socket with relation to the housing and shaft.

2,423,839
METHOD OF MAKING MAGNESIA INSULATION

Alan R. McGarvey, Manheim Township, Lancaster County, and Conral C. Callis, Lancaster Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application May 1, 1942, Serial No. 441,381
17 Claims. (Cl. 106—85)

1. In the method of making molded basic magnesium carbonate compositions by carbonating a slurry of a magnesium compound selected from the group consisting of magnesium oxide and magnesium hydroxide, the initial concentration of the slurry being such that there are from about 9 to about 14 parts by weight of water for each part of said magnesium compound based on its MgO content, to form a slurry of self-setting normal magnesium carbonate crystals, the step of introducing into the slurry a water-soluble soap and a compound capable of reacting in situ with said water-soluble soap to form a water-repellent material, said water-soluble soap and said compound being in such proportions that their reaction product is present in the slurry in an amount equal to about 5% to 30% by weight, based on the weight of the MgO content of the slurry, whereby setting of the crystalline slurry formed by carbonation is accelerated.

2,423,840
METHOD OF MAKING MAGNESIA INSULATION

Alan R. McGarvey, Manheim Township, Lancaster County, and Conral C. Callis, Penn Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Original application May 1, 1942, Serial No. 441,381. Divided and this application August 14, 1946, Serial No. 690,607
5 Claims. (Cl. 106—85)

1. In the method of making molded basic magnesium carbonate compositions by carbonating

a slurry of a magnesium compound selected from the group consisting of magnesium oxide and magnesium hydroxide, the initial concentration of the slurry being such that there are from about 9 to about 14 parts by weight of water for each part of said magnesium compound based on its MgO content, to form a slurry of self-setting normal magnesium carbonate crystals, the step of introducing into the slurry a water-repellent material selected from the group consisting of asphalt and wax, said water-repellent material being present in the slurry in an amount equal to about 5% to 30% by weight, based on the MgO content of the slurry, whereby setting of the crystalline slurry formed by carbonation is accelerated.

2,423,841
METHOD OF MAKING MAGNESIA INSULATION

Alan R. McGarvey, Manheim Township, Lancaster County, and Conral C. Callis, Penn Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

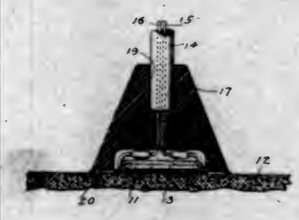
No Drawing. Application August 14, 1946, Serial No. 690,606
6 Claims. (Cl. 106—85)

1. In the method of making molded basic magnesium carbonate compositions by carbonating a slurry of a magnesium compound selected from the group consisting of magnesium oxide and magnesium hydroxide, the initial concentration of the slurry being such that there are from about 9 to about 14 parts by weight of water for each part of said magnesium compound based on its MgO content, to form a slurry of self-setting normal magnesium carbonate crystals, the step of introducing into the slurry a water-repellent material comprising stearic acid, said water-repellent material being present in the slurry in an amount equal to about 5% to 50% by weight, based on the MgO content of the slurry, whereby setting of the crystalline slurry formed by carbonation is accelerated.

2,423,842
PROTECTIVE COVERING FOR BONDED WIRE ELECTRIC STRAIN GAGES

Douglas McHenry, Denver, Colo., assignor to United States of America, as represented by the Secretary of the Interior

Application February 28, 1946, Serial No. 650,933
2 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

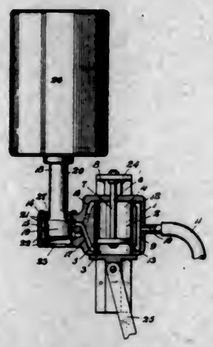


1. A protective button for an electric strain gage having a chamber to receive a strain gage and a passage connecting with said chamber to receive conductors to a strain gage, said button being of water-proof material and sealed to a specimen to be tested.

2,423,843
SUCTION SERVOMOTOR WITH FOLLOW-UP DEVICE

Alfred B. Metzger, United States Navy

Application July 1, 1943, Serial No. 493,140
1 Claim. (Cl. 121—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A double acting piston and cylinder unit in which the main piston is stationarily fixed by means of a rigidly mounted piston rod passing through one end of the cylinder, and the cylinder is slidably mounted for delivering a force axially within the limits of the piston chamber, the opposite ends of said chamber being connected by restricted ports to a common suction line, a piston valve having a casing integral with said cylinder and comprising a piston and stem for movement parallel to said cylinder, a bore for said valve piston terminating in shoulders for limiting the movement of said valve piston therein and having a pair of axially-spaced annular grooves unrestrictedly connected by ports to opposite ends of the main piston chamber, the outer edges of said annular grooves being spaced at a slightly greater distance than the length of the valve piston whereby when the valve is in neutral position, reduced but equal pressures will result on both sides of the main piston and when the valve is moved in either direction from neutral position, atmospheric pressure on the corresponding side of the main piston will cause the cylinder to deliver a substantial force in the same direction, depending on the diameter of the piston chamber, for the same distance, whereupon the valve will again assume the neutral position to stop the movement of the cylinder.

2,423,844
TIMEPIECE LUBRICANT

John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

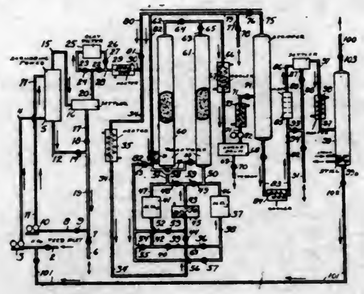
No Drawing. Application October 18, 1945, Serial No. 623,176
6 Claims. (Cl. 252—34.7)

1. A lubricant for timepieces and the like comprising from 60–80 parts by weight of tricresyl phosphate (M. P.), from 25–7 parts by weight of ethylene glycolmonoethyl ether ricinoleate, and from 15–13 parts by weight of triethylene glycol di-2-ethylbutyrate.

2,423,845
METHOD OF INCREASING THE USEFULNESS OF SOLID ISOMERIZATION CATALYST MASSES

Norval F. Myers, Short Hills, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 21, 1942, Serial No. 435,630
30 Claims. (Cl. 260—683.5)



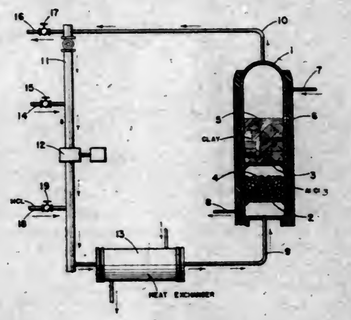
1. In a process of isomerizing normal paraffin containing at least four carbon atoms per molecule in the vapor phase by contacting the same under isomerization reaction conditions and in the presence of promotional amounts of hydrogen chloride with a catalyst mass comprising essentially a porous carrier dehydrated to a water content of less than 2% incapable of releasing any substantial amounts of free water under the isomerization reaction conditions, and containing sorbed aluminum chloride, the improvements comprising adding, at least intermittently during the isomerization process, a gasiform carrier containing aluminum chloride vapors and substantially free of halogen-containing promoters and comprising essentially only normal paraffin vapors, to the aluminum chloride catalyst mass to maintain and prolong the "on-stream" isomerization activity of the catalyst mass, limiting the amount of aluminum chloride vapors so added below that required to exceed the saturation point of the porous carrier under the prevailing isomerization reaction conditions whereby the effluent vapors from the isomerization reaction zone are substantially free of aluminum chloride.

2,423,846
VAPOR PHASE ISOMERIZATION OF NORMAL PARAFFINS

Hampton G. Cornell, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 7, 1942, Serial No. 468,103
2 Claims. (Cl. 260—683.5)

1. A method for isomerizing normal paraffinic hydrocarbons to isoparaffinic hydrocarbons in a reaction system in which a body of a metal halide vaporizable at a temperature not substantially in excess of 500° F. is arranged ahead of a bed of porous material adapted to adsorb said metal halide, said porous material being maintained at a reaction temperature between about 275 and 500° F. such that it will adsorb and retain the major portion of any metal halide contacted with it comprising passing a vaporized normal paraffinic hydrocarbon containing more than three carbon atoms in sequence through the body of metal halide and the bed of porous material for a length of time sufficient to transfer the desired quantity of the metal halide to and deposit it on the porous material, thereafter continuing passage of the vaporized normal paraffinic hydrocarbon through the bed of porous material alone

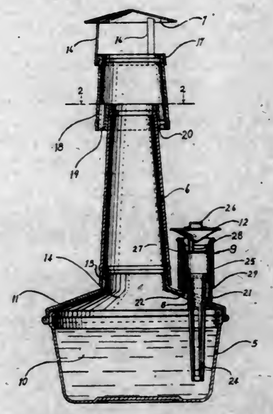


while adding thereto a gaseous halide promoter for the isomerization thereof and recovering isomerized hydrocarbons from the products leaving the reaction system the halide promoter being added to the hydrocarbon only at such times when the latter does not carry metal halide.

2,423,847
OIL SMOKE GENERATOR

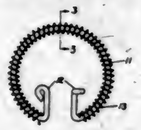
Howard E. Norton, Baltimore, and John R. Bond, Colora, Md.

Application July 10, 1942, Serial No. 450,384
3 Claims. (Cl. 158—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a smoke generator, and in combination, a fuel pot equipped with draft control means embodying a tubular member projecting outward from the pot, and a draft control valve embodying a casing provided at each end with a flare whereby a selected end may be used as a valve seat and the other end telescopically fitted with facility to said tubular member for mounting the valve casing on the fuel pot, and a valve element separably associated with the valve casing and having a seating part fitting one of said flared ends of the valve casing.

2,423,848
SPACER RING
Harry W. O'Connor, New York, N. Y.
Application May 15, 1945, Serial No. 593,908
1 Claim. (Cl. 113—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



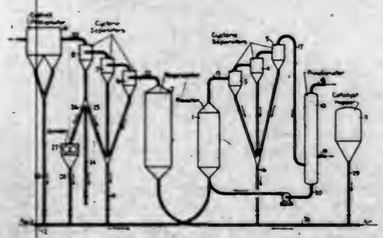
A spacer ring for spacing objects during a welding operation, comprising a split ring of spring wire, the said split ring forming almost a complete circle, the ends of said split ring being bent inwardly and formed into grips, and a helix of spring wire encircling said split ring and being contained within its ends, the diameter of the spring wire comprising said helix being smaller than the diameter of the spring wire comprising said split ring, and the inside diameter of said helix being greater than the diameter of the spring wire comprising said split ring.

2,423,849
KNEE PROTECTOR
Lola M. Patterson, New Bremen, Ohio
Application January 26, 1945, Serial No. 574,699
6 Claims. (Cl. 2—24)



1. In a pad for protecting the body, an elongated strip of material having end edges, sections of material secured to said strip to form a pocket over substantially one-half the area of said strip, said pocket being completely closed by said material, protective padding within said pocket, and elastic straps secured to said pad adjacent the said end edges of said strip.

2,423,850
PROCESS FOR EFFECTING CATALYTIC CONVERSIONS WITH FINELY DIVIDED CATALYSTS
Norman E. Peery, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 14, 1945, Serial No. 593,626
9 Claims. (Cl. 23—1)

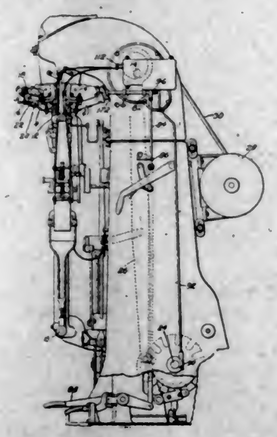


1. In a catalytic conversion system in which a finely divided solid catalyst consisting of particles of different sizes is recycled under conditions causing attrition, and in which catalyst is separated from a stream of a vapor or gas in a series of separators, and in which a small portion of the catalyst is replaced by more active catalyst to maintain a substantially uniform equilibrium activity, the improvement which comprises subjecting the fraction of catalyst of intermediate size range separated and collected by the next to the last separator to a mechanical grinding treatment and then recombining it with the main portion of the catalyst.

2,423,851
PROCESS OF PRODUCING MENTHENETRIOL
John E. Reese, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1945, Serial No. 593,959
8 Claims. (Cl. 260—631.5)

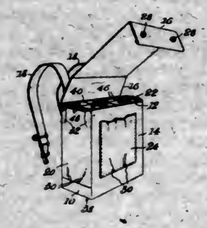
1. The process of preparing a menthenetriol which comprises reacting terpinolene, in an alkaline medium having a pH of about 7.5 to about 13, with water and a gas containing free oxygen, the water and free oxygen being substantially the sole sources of oxygen in the product and separating the resulting reaction mixture into a fraction containing a water-soluble product and a fraction containing a water-insoluble product.

2,423,852
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Charles A. Robinson, Salem, and Herman A. Imhof, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 7, 1945, Serial No. 592,484
13 Claims. (Cl. 12—4)



8. A machine for use in the manufacture of shoes having devices provided with guiding means engaging the marginal portions of a shoe bottom to perform an operation progressively along the shoe, a shoe supporting jack, an operating cam shaft, and driving mechanism for rotating the cam shaft, in combination with means responsive to displacement of the guiding means from proper operating relationship to the marginal portions of the shoe bottom to throw the driving mechanism out of operation.

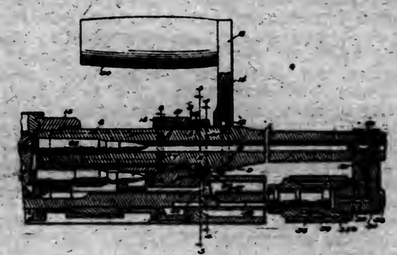
2,423,853
HAVERSACK
Daniel P. Ryan, United States Army
Application July 16, 1943, Serial No. 495,013
1 Claim. (Cl. 224—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



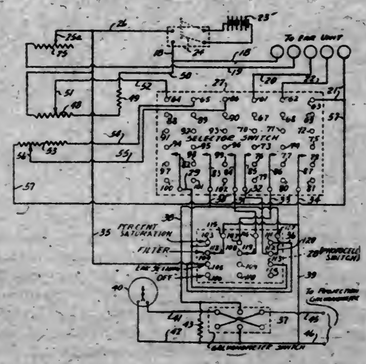
A haversack adapted to contain a series of fuse strung demolition block charges provided with extending fuse terminals and comprising a central rectangular charge casing formed with front, rear, and side panels and a bottom section, a reinforcing strip extending across the upper portion of said rear panel, side pockets attached to the outer surface of said side panels and substantially co-extensive with the area thereof, said side pockets adapted to receive and retain said terminals in longitudinally folded position with the upper folds extending beyond the top of said side pockets, said pockets having portions thereof adjacent the open end secured to said side panels to effect a restricted opening for engaging the folded fuse terminals slightly below the upper folds of said terminals to prevent displacement thereof, pleats provided in the lower portion of said side pockets to permit the lower folds of said terminals to expand therein, a cover flap attached to the upper portion of said rear panel, said cover flap being adapted to extend over the top of said casing, the front panel enclosing the pocket thereon, and the bottom section of said casing, carrying straps attached at their upper ends to said rear panel and said reinforcing strip, and engaging means in connection with said bottom section adapted to releasably engage the cover flap and the lower ends of said carrying straps.

2,423,854
HEAD SPACE ADJUSTING AND LOCKING MEANS FOR REMOVABLE FIREARM BARRELS
Clarence E. Simpson, Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War
Application December 17, 1943, Serial No. 514,612
9 Claims. (Cl. 42—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. In a firearm having a receiver, a locking sleeve rotatable with respect to the receiver and a barrel axially insertable through said locking sleeve and arranged to be locked to the receiver by rotation of the locking sleeve, the improvement comprising an operating member mounted adjacent said sleeve for concentric rotative and axial translative movement with respect to said sleeve, releasable means for securing said operating member against axial movement in a position immediately adjacent said sleeve, a first circumferentially serrated sector on said sleeve and a second serrated sector on said operating member constructed and arranged to intermesh at one axial position of said operating member relative to the sleeve and to clear each other when the operating member is in a position axially displaced from said one position, whereby said sleeve and operating member are releasably secured together and angular position of said operating member relative to said sleeve may be selectively adjusted.



2,423,855
MULTIUNIT, SINGLE SCALE OXIMETER
Bernard Smaller, Chicago, Ill.
Application October 25, 1943, Serial No. 507,634
4 Claims. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An oximeter comprising a galvanometer, an ear unit including a source of light, a green filtered photocell and a red filtered photocell, said photocells being positioned to receive light from said source passing through an interposed ear, and means for selectively connecting said photocells to the galvanometer, said galvanometer having a scale member provided with graduations for indicating the oxygen concentration of the blood in a subject's ear, and other graduations for indicating ear type potentials corresponding to different ear thicknesses, the positions of the last mentioned graduations on said scale member being so related to the different ear thicknesses and the positions of the first mentioned graduations that a voltage sufficient to deflect the galvanometer to any one of said last mentioned graduations will, when applied to the galvanometer with reversed polarity, reduce the deflection produced by the red filtered photocell by an

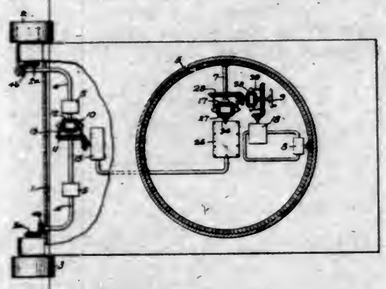
amount proportional to the ear thickness corresponding to said one graduation, means for applying to the galvanometer a voltage independent of the voltage applied by said photocells, manually adjustable means for varying said voltage so as to deflect the galvanometer to the ear type potential indicating graduation corresponding to the thickness of the subject's ear as determined by means of the green filtered photocell, said means for selectively connecting the photocells to the galvanometer including means for reversing the polarity of said voltage simultaneously with the connection of the red filtered photocell to the galvanometer, and manually adjustable means for varying the voltage applied to the galvanometer by said red filtered photocell to deflect the galvanometer to a point on the concentration scale representative of the normal oxygen concentration for the atmosphere available, whereby subsequent changes in oxygen concentration of the blood will be indicated directly on the concentration scale.

2,423,856

AUTOMATIC GUN CONTROL FOR TANKS

Albert Rivington Stone, Belair, Md.

Application June 24, 1943, Serial No. 492,139
13 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an automatic gun positioning device for tanks of the type having wheels at opposite sides thereof movable in response to the propulsion of the tank, the combination of a differential, flexible cable means connecting the wheels on opposite sides of the tank to respective ones of the input bevels of the differential, the said flexible cable means being operatively connected to the tank wheels to rotate the said differential bevels in opposite direction, a "Selsyn" transmission unit including a transmitter driven from the output of the said differential, the receiver of the "Selsyn" being disposed at the gun turret of the tank, power means controlled by the said receiver, a crown gear associated with the turret turning mechanism, a second differential one of the input bevels of which is driven by the said power means associated with the "Selsyn" receiver, a gear and shaft connection from the said gun turret crown gear to the other differential bevel, a third differential one of the input bevels of which is driven by the output of said second differential, a handwheel connected to the other bevel of said third differential, and a hydraulic pressure system including a valve and a motor, the said hydraulic motor being geared to the said turret crown gear to drive the same and the said hydraulic valve being operatively connected to the output of said third differential, to be controlled thereby.

2,423,857

METHOD OF TREATING COMPOSITE METAL

Charles Robert Talmage, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application December 23, 1943, Serial No. 515,429
5 Claims. (Cl. 117—65)

3. In the method for improving the physical characteristics of composite bearing stock consisting of a supporting back of a strong metal having a sprayed metal layer thereon which layer includes a high percentage of copper the steps of; heating the high copper layer at a temperature above 1400° F. and below any liquidus temperature of the components of the high copper layer for a period of time sufficient to homogenize the sprayed high copper layer and to improve the bond between the sprayed layer and the supporting back, said heating step being carried out under non-oxidizing atmospheric conditions, and then cooling the composite bearing stock under non-oxidizing atmospheric conditions whereby the strength of bond and the physical properties of the sprayed layer are improved,

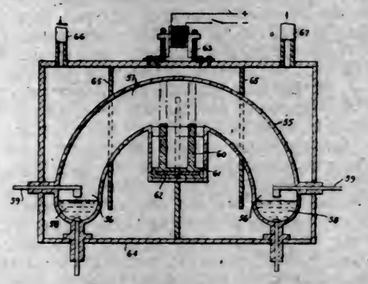
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2,423,858

ELECTRIC DISCHARGE, ULTRA HIGH FREQUENCY GENERATING, AND SWITCHING TUBE

Alfred Vang, New York, N. Y.

Application February 24, 1944, Serial No. 523,634
4 Claims. (Cl. 250—27.5)



2. An electric discharge and switching tube, comprising a closed envelope of insulation material, having a pair of spaced electrodes for connection in an external electric current, a medium adapted to be ionized, for conducting current through said envelope, a starting and control electrode outside of said envelope for controlling electric current flowing through said envelope, and means externally of said envelope for restricting the flow of current through said envelope, comprising a shutter slidably mounted to move across said envelope at a point between said spaced portions, and external means for moving said shutter, including an external electro-magnet, and an armature mounted on or within said shutter.

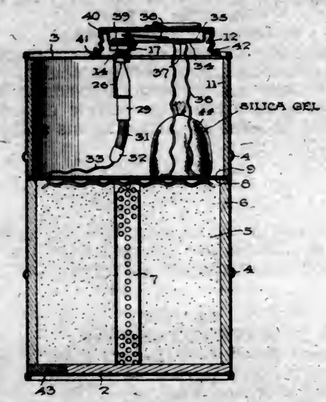
2,423,859

SMOKE PRODUCING DEVICE

Joseph W. Van Karner, New York, N. Y.

Application December 10, 1943, Serial No. 513,798
4 Claims. (Cl. 9—8)

1. A smoke-producing device comprising a sealed container, a charge of smoke-producing material in the container, a smoke-accumulating space within the container, means within the container for igniting the charge of smoke-producing material, means operable from without the container for setting the ignition means into operation, weighting means at one edge of one end of the container for causing the container to set at an angular position when placed in water,



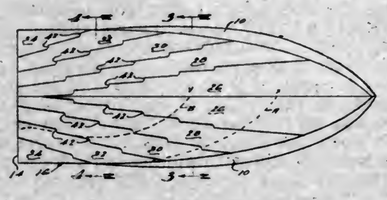
the other end of the container having an opening through which smoke is adapted to pass, said opening being at the side of the container opposite the side having the weighting means, and means normally closing said opening.

2,423,860

HYDROPLANE BOAT HULL FORM

Charles Douglas Van Patten, Flint, Mich.

Application August 20, 1945, Serial No. 611,537
9 Claims. (Cl. 114—66.5)



1. A boat hull of the planing type having substantially the entire bottom surface thereof comprised of a plurality of generally rearwardly extending distinct planing surfaces arranged in complementary relation on opposite sides of the longitudinal plane of symmetry of said hull, each of said planing surfaces being separated from the next adjacent planing surface by a relatively sharp jog facing generally away from said plane, and said jogs comprising portions constituting a fraction of the length thereof offset toward said plane of symmetry from each other in rearward progression.

2,423,861

MEAT PACKAGE AND METHOD OF PREPARING THE SAME

Elsa Vogt, Philadelphia, Pa.

Application March 4, 1944, Serial No. 525,068
11 Claims. (Cl. 99—176)

1. The method of inserting a liner strip of moisture impervious material into a tubular meat product casing of thin, foldable moisture absorbent material which comprises wrapping the strip of lining material about a retaining strip of relatively stiff material so that the edge portions of said strip overlap, and inserting the assembly



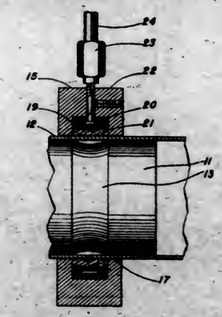
of retaining strip and liner into the tubular casing.

2,423,862

BINDING AND COVERING APPARATUS

Casimer E. Vorobik, United States Navy, assignor to United States of America, as represented by the Secretary of the Navy

Application December 30, 1944, Serial No. 570,722
2 Claims. (Cl. 153—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Binder and covering apparatus for inwardly deforming a limited area of a hollow element to bind it about a grooved inner member comprising a relatively rigid, pressure-resistant receptacle having an opening therein adapted to receive and proportioned to fit relatively snugly about the element to be deformed, an inwardly opening generally annular pocket in the first mentioned opening and facing and surrounding the element to be deformed when the latter is inserted in the opening in the receptacle, and means for exerting deforming pressure against the portion of said element which abuts and is surrounded by said pocket, comprising a flexible bladder in said pocket deformable inwardly against the wall of said element, and a pressure communicating member formed of material which is also flexible but relatively stiffer and less flowable than the material of the bladder and fitted in the pocket over the bladder and slidable inwardly and outwardly of the pocket, at least the marginal portions of said pressure communicating member being thicker than the desired inward deformation of the subjacent portions of the work, whereby upon distention of the bladder and inward flexing of the pressure communicating member, said member prevents the ejection from the pocket of any marginal portion of the bladder which might become pinched between the receptacle and the work, and means for distending the bladder to exert deforming pressure upon the work.

2,423,863

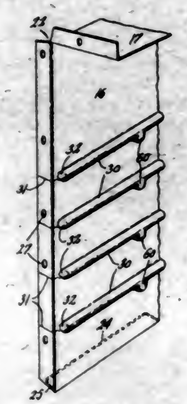
SHEET METAL COMPARTMENT WITH SHELF SUPPORTS AND METHOD OF MANUFACTURE

George F. Wales, Kenmore, N. Y.

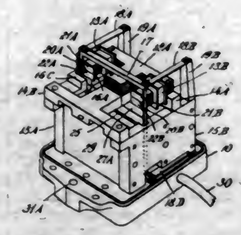
Application November 16, 1940, Serial No. 365,949
12 Claims. (Cl. 312—141)

1. A sheet metal oven interior comprising two sides, a top, a bottom, and a back, said sides in-

cluding integral pairs of rack supports projecting inwardly at spaced levels above the bottom, said supports terminating short of the rear edges of the sides to provide substantially flat rear portions on said sides, said back having flanges extending rearwardly therefrom and which are secured to said rear portions with said back abutting against the rear ends of said rack supports.



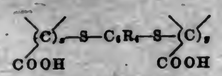
2,423,864
VARIABLE REACTANCE
Harold W. Washburn and Edmund E. Hoskins, Pasadena, Calif., assignors to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application February 26, 1943, Serial No. 477,320
11 Claims. (Cl. 171—119)



1. In a pick-up device adapted to determine displacement of a body and including a magnetic circuit including a section of relatively low reluctance per unit length, a coil mounted in inductive relationship with the section, the improvement which comprises a resiliently supported armature movable in response to the displacement of the body and having two members in the field of the section and movable transverse to the lines of the force of the field, one member being of relatively high paramagnetic susceptibility, low retentivity and relatively high electrical resistance and the other being of a non-magnetic material of low electrical resistance, the members being so mounted on the armature that one tends to move out of the field of the section as the other moves into the field.

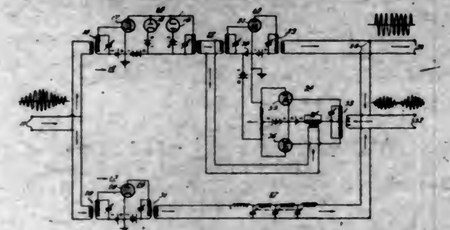
2,423,865
ANTICORROSIVE
Ellis Ross White, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 28, 1944, Serial No. 524,307
23 Claims. (Cl. 252—48.6)

7. A corrosion-preventive composition comprising predominantly a substantially neutral vehicle and finely dispersed therein a corrosion inhibiting amount of a phenylene bis sulfide dicarboxylic acid having at least 30 carbon atoms and having the formula



wherein x and y are integers of 1 up to about 8 and the R radicals are selected from the group consisting of hydrogen and alkyl radicals.

2,423,866
WAVE SEPARATOR
John Robert Woodyard, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application May 3, 1944, Serial No. 533,992
11 Claims. (Cl. 178—44)



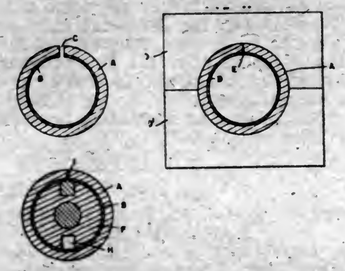
9. An electronic wave separator comprising a non-linear amplifier and a linear amplifier, conducting means for supplying an amplitude-modulated wave having carrier and side-band components to both of said amplifiers, phase-shifting means in the output of said linear amplifier, and means connecting the phase-shifted output of said linear amplifier in opposition to the output of said non-linear amplifier to thereby produce the side-band components of said carrier.

2,423,867
METHOD AND APPARATUS FOR STRESS-STRAIN TESTING
Clarence M. Zener, Newton Center, and Delbert M. Van Winkle, Newtonville, Mass.
Application June 3, 1944, Serial No. 538,674
6 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



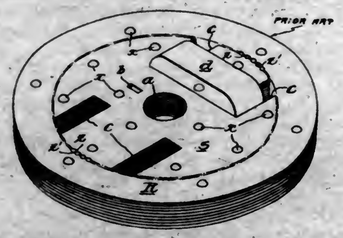
1. A strain gage comprising a resilient band shaped substantially as a figure 8, a pair of rollers mounted in opposed relationship on the interior surfaces of said band at its narrow central portion, said rollers being constructed and arranged to resiliently engage the diameter of a test specimen under the bias of said band, and electrical means secured to said band for indicating change in deformation of said band.

2,423,868
METHOD OF FORMING BEARING LINERS
Charles J. Bishop, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application June 7, 1943, Serial No. 489,949
4 Claims. (Cl. 29—149.5)



1. In a method of forming bearing liners, the steps of fashioning from commercial tubing a tubular blank with a true cylindrical outer surface of an exactly predetermined radius, slotting said blank longitudinally on one side thereof, diepressing the slotted blank to bring the opposite edges of the slot together and to form a true cylindrical outer surface of smaller radius, slotting the blank diametrically opposite the abutting edges to form separate equal segments, contracting said segments by forcing the same into a segmental die of smaller radius, and trimming the edges to obtain a predetermined circumferential length such as to form of the complementary segments a full circle of said smaller radius.

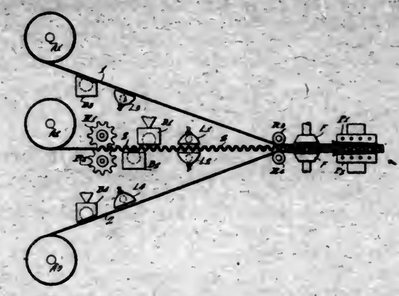
2,423,869
COMPOSITE STRUCTURE AND METHOD OF MAKING THE SAME
Gregory W. Blessing, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1940, Serial No. 359,129
19 Claims. (Cl. 154—129)



1. Method of uniting parts into a composite structure which comprises placing a thermoplastic synthetic resinous material between said parts, subjecting said parts to pressure, and heating said thermoplastic material to partial pyrolysis while under pressure.

2,423,870
COMPOSITE SHEET METAL STRUCTURE
Gregory W. Blessing, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1941, Serial 385,229
6 Claims. (Cl. 154—129)

1. Method of uniting sheet metal parts with an interposed thermoplastic adhesive which consists in advancing said sheets and said adhesive simultaneously in a predetermined direction while (*a*) subjecting said adhesive to partial pyrolysis, (*b*) said sheets and said partially pyrolyzed adhesive to a bonding force, and (c) the resulting structure to cooling.



2,423,871
DEPOSITED NEOPRENE LATEX ARTICLES
Philip D. Brass, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 11, 1944, Serial No. 558,293
6 Claims. (Cl. 117—138.8)

1. The method of increasing the resistance to aging of vulcanized, cast or extruded deposited neoprene latex articles containing a water soluble zinc salt formed during the casting or extrusion of the polychloroprene, which comprises treating said articles after vulcanization with gaseous ammonia for at least one hour to materially improve the aging characteristics of the vulcanized polychloroprene.

2,423,872
CORROSION RESISTANT COATING FOR CARTRIDGE CASES
Oliver P. Clipper, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application July 28, 1942, Serial No. 452,658
8 Claims. (Cl. 260—24)

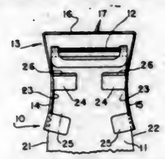
1. A coating composition capable of producing a corrosion-resistant coating for cartridge cases, comprising an alkoxy-substituted urea-formaldehyde condensation product, and an extracted pine wood pitch characterized by substantial insolubility in petroleum hydrocarbons and comprising a residue low in abietic acid remaining after the separation of refined rosin high in abietic acid from the resinous material obtained by extraction of pine wood with a solvent.

2,423,873
METHOD FOR PRODUCTION OF INCREASED YIELDS OF PENICILLIN
Robert D. Coghill and Andrew J. Moyer, Peoria, Ill., assignors to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application June 17, 1944, Serial No. 540,852
4 Claims. (Cl. 195—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A method for the production of penicillin comprising preparing an aqueous nutrient me-

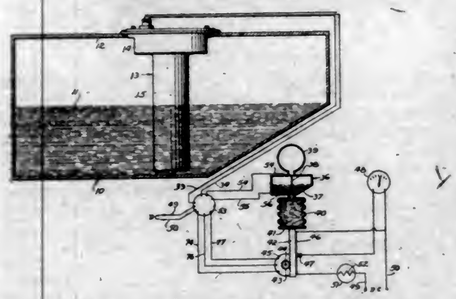
dium, adjusting the nutrient medium to a pH lying within the range 4.6 to 8.0, inoculating the nutrient medium with a penicillin-producing mold and adding to the nutrient medium from 0.005 to 0.50 gram of a member selected from the group consisting of phenylacetic acid, salts of phenylacetic acid, and esters of phenylacetic acid per 100 ml. of nutrient medium.

2,423,874
ATTACHMENT FOR POWER RAZORS TO FACILITATE HAIR TRIMMING
Leon M. Coles, Port Chester, N. Y.
Application October 22, 1945, Serial No. 623,666
6 Claims. (Cl. 30—90)



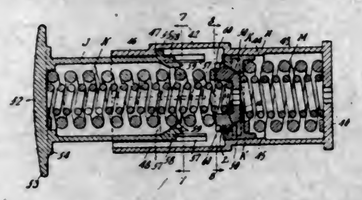
5. In combination with a power razor comprising a handle having a cutter means at one end, a hair trimming attachment for said razor comprising a pair of arms against opposite sides of said handle and an elongated part extending between said arms and across said cutter means, said part having openings for guiding hairs to said cutter means, resilient means constantly urging said attachment outwardly into a position with said elongated parts spaced from said cutter means, and cooperating means on said handle and attachment for limiting the extent of such outward movement of the attachment.

2,423,875
FUEL GAUGE
Russell R. Curtis and Harry C. Morgan, Dayton, Ohio, assignors, by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 20, 1944, Serial No. 536,482
7 Claims. (Cl. 73—290)



1. A fluid volume indicator for a fluid container comprising a scale model replica of said container which is mounted in such a position as to bear the same orientation in all planes as said container, a fluid reservoir connected to said scale model replica, means in said container responsive to the fluid level along a predetermined path extending between the top and bottom of the container, means in said scale model replica responsive to the fluid level therein along a predetermined path corresponding in all respects to the path of said container, means for establishing a voltage drop proportional to the position of the fluid in said container along its path, means for producing a second voltage drop proportional to the position of the fluid in said scale model replica along its path, pumping means for introducing fluid into said scale model replica from said reservoir and for withdrawing fluid therefrom, a reversible motor for operating said pumping means, means for operating said motor to maintain the fluid level along said path in said scale model replica at such a point that the ratio between said voltage drops remains constant, and means responsive to the quantity of fluid in said scale model replica for indicating the amount of fluid in said container.

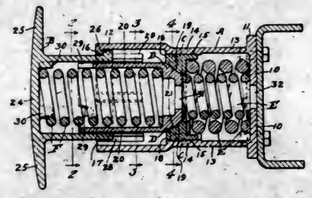
2,423,876
SPRING AND FRICTION BUFFER FOR RAILWAY CARS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 11, 1944, Serial No. 558,114
8 Claims. (Cl. 213—221)



5. In a buffer for railway cars, the combination with a housing open at one end and closed at the other end; of a buffer head slidingly telescoped within the housing, said housing including a friction casing member; friction shoes slidable within said casing and limited to lengthwise movement with respect to the same; a wedge block in wedging engagement with the shoes, said wedge block and shoes having interengaging flat wedge faces; spring means within the casing opposing inward movement of the wedge and shoes; cooperating lugs on the housing and buffer head for limiting outward movement of the head; internal guideways on the housing with which said lugs of the head are slidingly engaged to limit the latter to lengthwise movement with respect to the housing, said buffer head being movable inwardly of the housing to an extent to move said lugs beyond the inner limits of said guideways; interengaging cooperating locking lugs and notches on said buffer head and wedge engageable with each other when said lugs are moved beyond the inner limits of said guideways head against relative rotation with respect to the wedge; and additional spring means opposing relative movement of the buffer head and wedge toward each other.

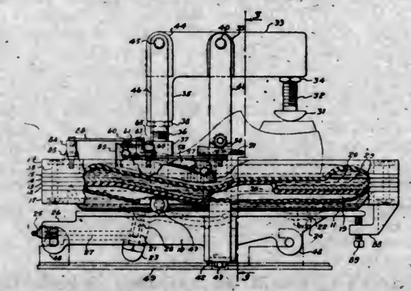
2,423,877
SPRING AND FRICTION BUFFER FOR RAILWAY CARS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application February 10, 1945, Serial No. 577,293
5 Claims. (Cl. 213—221)

4. In a buffer for railway cars, the combination with a housing open at one end and closed at the other end; of a buffer head including a rearwardly extending sleeve slidingly telescoped within the housing, said housing including a friction shell section; friction shoes slidable in said friction shell section and limited to lengthwise movement with respect to the same; a wedge block in wedging engagement with the shoes; lugs on said wedge block engaged between adjacent shoes to hold the wedge against rotation with respect to the shoes; a forwardly projecting guide sleeve on said wedge block slidingly telescoped within the sleeve of the buffer head; stop shoulders on the friction shell section engageable with said lugs to limit outward movement of the wedge block; cooperating lugs on the housing and sleeve of the buffer head for limiting outward movement of the head; internal guideways on the housing with which said lugs



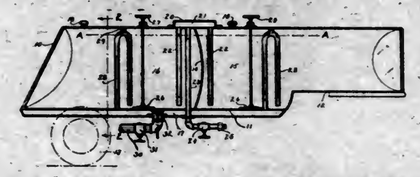
of the head are slidingly engaged to limit the latter to lengthwise movement with respect to the housing during part of the compression stroke of the mechanism; means for limiting the buffer head to lengthwise movement with respect to said wedge block during the remainder of the compression stroke of the mechanism, comprising interior ribs on the sleeve of the buffer head at the forward end of the latter and slots at the forward end of the sleeve of the wedge within which said ribs are engageable; spring means reacting between the housing and wedge and shoes yieldingly opposing inward movement of the wedge and shoes; and spring means reacting between the buffer head and the wedge yieldingly opposing inward movement of the buffer head with respect to the wedge.

2,423,878
SHOE PRESSING APPARATUS
Fred Dawson, West Roxbury, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application July 3, 1945, Serial No. 602,979
37 Claims. (Cl. 12—33)



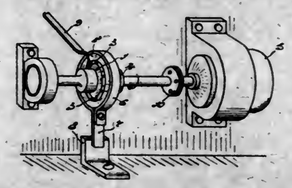
9. In a shoe press, the combination comprising a pad support, a sole pressing pad mounted upon said support, shoe contacting members sustained above said pad, means for elevating said pad upon its support to bring a shoe placed thereon into engagement with said contacting members, means for limiting elevation of said pad, and means operable by positioning of a shoe upon said pad to vary the effectiveness of said limiting means.

2,423,879
BOTTOM-FILL TRUCK TANK
Joseph H. De Frees, Warren, Pa., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa., a corporation of Pennsylvania
Application July 12, 1945, Serial No. 604,658
4 Claims. (Cl. 137—21)



1. A bottom-fill multiple compartment truck tank for transporting volatile liquids, comprising a hollow chambered tank adapted for support upon a vehicle chassis and provided with a plurality of compartments, said tank being provided near its top with a manifold having a filling chamber provided with a series of tank filling pipes each extending downwardly into one of the tank compartments and opening at a low level therein, valve controlled means for supplying liquid to the manifold filling chamber, and an overflow pipe within each tank compartment, each overflow pipe being of inverted U-form and having liquid receiving and discharge legs, the former opening into the compartment at a low level and the latter extending through the bottom wall of the tank and opening beneath the same, and a vent opening at the bend of each overflow pipe.

2,423,880
METHOD OF MAKING BALL BEARINGS
Jacob Engel de Graaf, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 13, 1940, Serial No. 340,414
In Germany March 9, 1939
3 Claims. (Cl. 117—31)

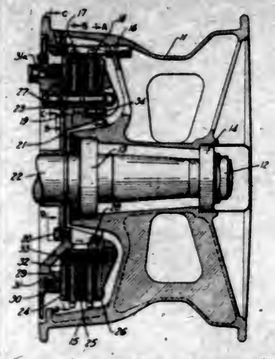


1. A method of forming a thin lubricating coating upon the active surfaces of a bearing having rolling members and a raceway and to be used in an evacuated space, comprising the steps of introducing into the bearing and between the rolling members and the raceway small quantities of a metallic powder which is softer than the metal of the bearing, and rotating the bearing before the same is placed in its operative position within the evacuated space to form the powder into the lubricating coating by the rolling action of the rolling members.

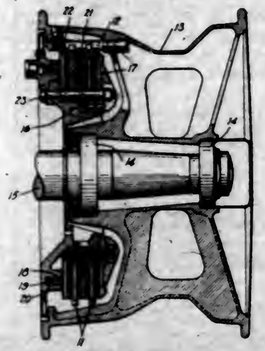
2,423,881
DISK BRAKE
William H. Du Bois, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 4, 1942, Serial No. 449,722
23 Claims. (Cl. 188—72)

1. A disk brake having a stator member and a rotor member, one of which consists of a metallic

backing portion and friction lining material secured thereto which serves to partially insulate the metallic portion from the braking heat, and the other of which is an unlined metallic member composed of a plurality of separate segments, and means acting on said segments to prevent radial movement thereof without interference with their expansion when heated.



2,423,882
DISK BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 6, 1942, Serial No. 453,797
7 Claims. (Cl. 188—72)

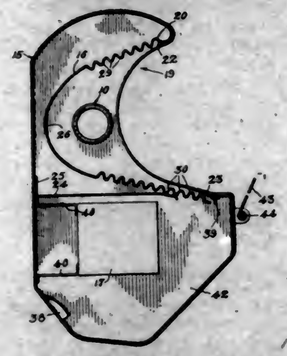


1. A friction disk comprising a plurality of separate segments which are dovetailed to one another to furnish mutual radial support to prevent excessive relative displacement while allowing clearance between the individual segments for their expansion under the influence of heat, each of said segments having a wedge-shaped projection at one end and a wedge-shaped opening at the other end for receiving the projection of the next segment.

2,423,883
PRODUCTION OF CELLULOSE DERIVATIVES
James Wotherspoon Fisher, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application October 11, 1944, Serial No. 558,289. In Great Britain November 5, 1943
9 Claims. (Cl. 260—226)

1. Process for the production of cellulose derivatives, which comprises esterifying cellulose ethers at temperatures up to 50° C. with anhydrides of organic carboxylic acids containing at least six carbon atoms in the molecule in the presence of metal halides and a hydrogen halide as catalysts.

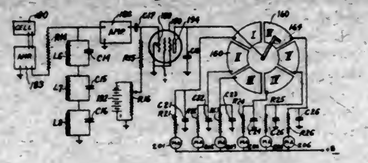
2,423,884
REFLECTOR SHIELD UNIT FOR GERMICIDAL LAMPS
Walter Glass, Northbrook, Ill.
Application July 31, 1944, Serial No. 547,503
4 Claims. (Cl. 240—1)



3. In a fixture for germicidal lamps, the combination of transversely elongated housing and reflector elements, said housing element having an open side therein extending along the upper portion thereof, said reflector element being mounted in said housing element and covering said open side for beaming the rays from a lamp mounted in front of said reflector element, means in said housing element for mounting the lamp within the housing element and in front of said reflector element, said housing element having an elongated opening extending along the lower rear portion thereof, there being a second elongated opening communicating between the interior of said housing element and the front of the reflector element, and a ballast mounted in said housing element below said reflector element and above said elongated opening in the rear portion of said housing element, said ballast constituting a source of heat during the normal operation thereof in connection with the lamp for producing a thermally-induced flow of air through the housing element, whereby air entering the elongated opening in the rear portion of said housing element is warmed by heat generated by said ballast as a normal incident to its operation, said air, upon being warmed, emerging through the opening between the interior of said housing element and the front of said reflector element forwardly of the lamp and into the path of rays emanating from said lamp and beamed by the reflector element.

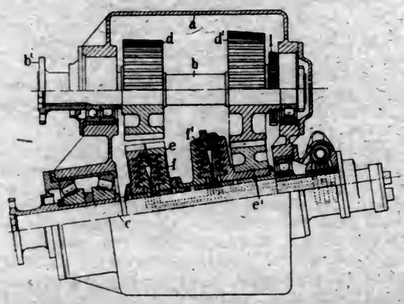
2,423,885
RADIANT ENERGY DETECTING APPARATUS
Laurens Hammond, Chicago, Ill.
Application February 3, 1941, Serial No. 377,191
12 Claims. (Cl. 250—83.3)

1. In apparatus adapted to be carried in an airplane for locating the presence of radiant objects on a surface below, a cell responsive to radiations of light or heat, a mirror for ray concentration positioned to focus on said cell at any one instant the rays reaching it from only a small area of the surface below, means for causing said cell and mirror to scan said surface in a regular and repetitive manner at a cyclical frequency, an electrical amplifier system for receiving signals from said cell and for operating



indicating devices, and frequency discriminating networks in said electrical system adapted to transmit with highest efficiency certain frequencies which are directly related to said cyclical frequency.

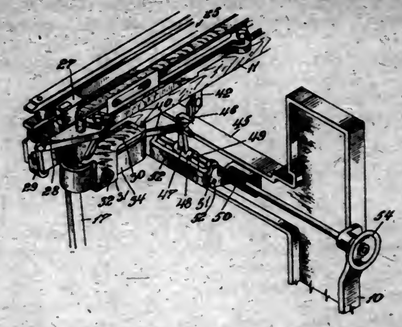
2,423,886
POWER TRANSMISSION MECHANISM
Thomas Hindmarch, London, England
Application February 7, 1944, Serial No. 521,411
In Great Britain February 19, 1943
2 Claims. (Cl. 74—378)



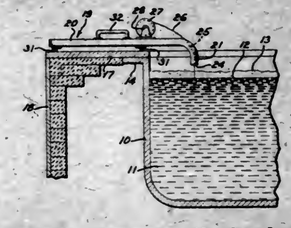
1. A power transmission mechanism comprising in combination a gear box housing, an input shaft and an output shaft therein relatively inclined to one another, a pair of gear wheels on the said shafts directly meshing with one another for driving in a forward direction, a second pair of gear wheels on said shafts meshing with one another indirectly through an idler for reverse running and fluid pressure operated couplings for selecting the particular gear to be used, the coupling for the reverse running being situated inside one of its associated gear wheels while the coupling for forward running is located between the first and second mentioned pairs of wheels.

2,423,887
PICKER STICK CHECK FOR LOOMS
Harold Hoeber, South Dartmouth, Mass.; Barbara O. W. Hoeber and William T. Read, as executors of said Harold Hoeber, deceased, assignors to Textile Research Co., a corporation of Massachusetts
Application November 16, 1945, Serial No. 629,115
9 Claims. (Cl. 139—162)

1. In a loom, a frame, a lay reciprocally mounted with reference to the frame and having a swinging picker stick carried thereby, a flexible check forming a bight for engagement by said stick and mounted for movement with the lay, a friction device engaging said check for retarding movement of said check by said stick and means comprising a part fixed with reference to said frame and a part for moving said check for setting said check in response to the reciprocation of the lay.



2,423,888
DEVICE FOR MEASURING THE LEVEL OF A MOLTEN METAL BATH
Frank A. Hueser, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 17, 1945, Serial No. 578,389
4 Claims. (Cl. 33—126.7)

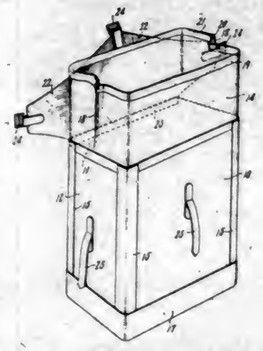


4. A device for measuring the level of a molten metal bath in a pot comprising a base, a plurality of supporting pins depending therefrom for predeterminedly locating and supporting the base in a horizontal plane above a surface of the pot, an arcuate shaped apertured guide means extending downwardly from said base and providing a gaging point at its outer end surface above the level of the bath, and a rotatably mounted coiled supply of alloy wire having a melting point below the temperature of the bath journalled on said base with its outer end threaded through said guide means, extending from said gaging point and into the bath, whereupon the portion thereof below said level melts away, the length of said wire extending beyond said gaging point being used in determining the volume of metal in the pot.

2,423,889
WATERTIGHT BAG
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 24, 1943, Serial No. 492,059
7 Claims. (Cl. 150—52)

4. A water-tight and air-tight bag comprising, a receptacle of water-tight material having an integral neck of substantial width, a pair of stiffening strips secured to the opposite sides of the neck opening in position to rest one against the other to form a bar upon which the neck may be rolled down against an end of the re-

ceptacle, means permanently secured upon one strip and having a folded-over edge forming a pocket for holding the other strip from moving laterally thereto during the rolling operation,



and a flap adapted to be secured down over said end of the receptacle against the rolled neck, whereby a closure capable of confining air under pressure is provided.

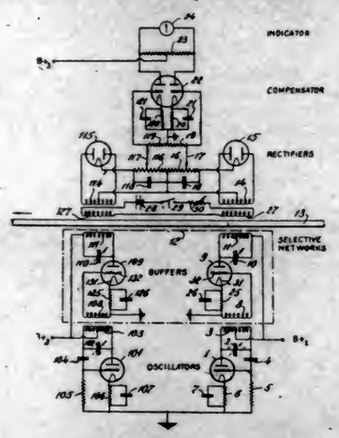
2,423,890
COLLAPSIBLE INFLATING DEVICE
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 8, 1945, Serial No. 627,423
3 Claims. (Cl. 230—1)



1. An inflating device for inflating a collapsible receptacle with air, comprising a bag that is rectangular in cross section and having one end permanently attached to the receptacle to be inflated and a wide rectangular opening at its other end through which air may enter quickly to fill the bag, the open end having flexible stiffening strips extending along the long side walls of the bag and adapted when brought together to form a bar upon which this end portion of the bag may be rolled to close the bag and squeeze the air therein into the receptacle, and means for holding one strip from shifting relative to the other during such rolling action.

2,423,891
BIFREQUENCY MAGNETIC TESTING APPARATUS
Frederick Kellerman, New York, N. Y., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application June 17, 1944, Serial No. 540,758
7 Claims. (Cl. 175—183)

2. In apparatus for electromagnetic inspection of material, first and second frequency-selective networks each including an energizing coil arranged to be inductively related to the material under inspection, said coils being inductively related to spaced portions of said material, first and second alternating-current sources connected to energize said coils respectively with currents at substantially different frequencies, said coils being tuned to said frequencies, respectively, first and second rectifiers having input and output circuits, each said input circuit including a pickup coil inductively related to the corresponding one



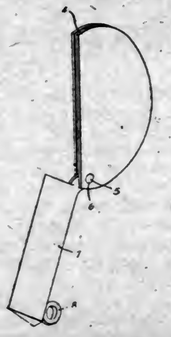
only of said energizing coils and proportioned to receive energy therefrom as modified by said material, an indicator actuated in response to the resultant of combined output currents from both of said rectifiers, and a compensator including coupling means symmetrically connected to the output circuits of said rectifiers and to said indicator, said coupling means including means for adjusting the relative magnitudes of said rectified currents which are combined effectively to actuate said indicator.

2,423,892
TOOLHOLDER
Carl B. King, Wichita, Kans.
Application March 2, 1946, Serial No. 651,561
2 Claims. (Cl. 306—29)



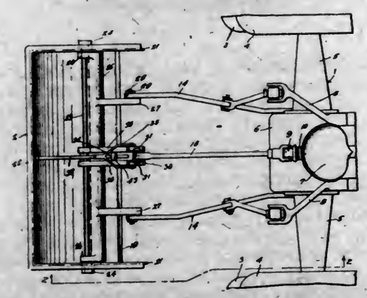
1. In a tool holder, a tubular member being severed at one point from end to end, the shell of the tubular member being bored and threaded diametrically in spaced relation from the sever, a sector of a sleeve, the arc of which is of lesser radii so that the edges will contact the tubular member, a handle having a threaded portion on one end thereof of sufficient length to extend through the tubular member and the sector when the same are assembled in working relation, a shoulder formed on the handle and against which the sector will seat as a bearing to reduce the width of the opening and to cause tight engagement between the sector edges and external surface of the tubular member when the threaded handle is turned.

2,423,893
WEDGE FOR TOOL HANDLES
Henry La France, Rumford, Maine
Application December 14, 1945, Serial No. 635,022
1 Claim. (Cl. 306—33)



In a wedge for securing axe handles and the like in axe heads and the like, the combination, which comprises a split substantially semi-circular wedge forming two segments integrally connected at an intermediate point of their curved edges, an inner wedge element adapted for insertion with a rotary movement between said segments, said inner wedge element having an ear extending at one end and positioned adjacent the thick side forming the back thereof, and an eye extending from the back at the opposite end thereof, and a pin pivotally mounting said inner wedge element through the extending ear thereof to one corner of said segment positioning said inner wedge for insertion between the segments with a rotary movement.

2,423,894
HYDRAULIC POWER SCOOP
Clarence Lambert, Smith Center, Kans.
Application March 29, 1945, Serial No. 585,454
1 Claim. (Cl. 37—124)



The combination with a tractor, and power lift mechanism thereon including a pair of vertically swingable bars, a cross shaft having oppositely extending pairs of cranks thereon, one pair pivoted to said bars to provide for vertical swinging of said shaft on said bars relative thereto, a second shaft extending through the other pair of crank arms, a scoop suspended from the second shaft to rock thereon, a pair of side-by-side levers fast on said cross shaft to be swung thereby relative to said bars, a lift mechanism control shaft on said tractor endwise movable, a thrust rod pivoted between the ends of said levers and operatively connected to said control shaft, a notched detent sector on said scoop straddled by said levers, and sector dogging means for coaction with the sector mounted on said levers.

2,423,895
METHOD OF PRODUCTION OF ANHYDROUS FLUOROPHOSPHORIC ACID
Willy Lange, Cincinnati, Ohio, and Ralph Livingston, Chicago, Ill., assignors, by direct and mesne assignments, to Ozark-Mahoning Company, a corporation of Delaware
No Drawing. Application September 26, 1944, Serial No. 555,888
10 Claims. (Cl. 23—139)

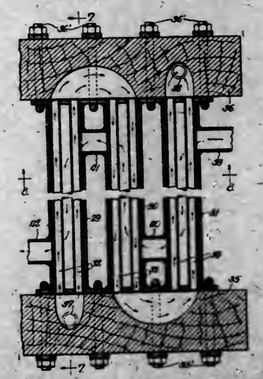
1. The method of producing anhydrous fluorophosphoric acids which comprises mixing any two of the compounds selected from the group consisting of H_2PO_4, H_2PO_3F, HPO_2F_2 and POF_3 which have a difference of at least two in the number of fluorine atoms in their respective molecules.

2,423,896
METHOD OF MAKING METALLIC GRATINGS
Roy E. Lave, Homewood, Ill., assignor to Apex Railway Products Co., Chicago, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,300
2 Claims. (Cl. 29—160)



1. The method of making a metallic grating comprising girder bars and cross bars and which method consists in providing a plurality of girder bars cambered edgewise so as to have opposed concaved and convexed edges extending substantially the entire length thereof, forming longitudinally spaced recesses in the concaved margins of said bars and which open through the edge of said margins, arranging said bars in laterally spaced relation so as to dispose the recesses therein in transverse rows and pressing cross bars, one into each row of recesses from the open end thereof and simultaneously straightening said girder bars.

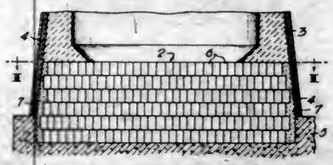
2,423,897
PROCESS FOR PRODUCING VINEGAR
John J. Mackin, Green Bay, Wis., assignor to Leslie J. Kelly, Green Bay, Wis.
Application July 9, 1943, Serial No. 493,998
13 Claims. (Cl. 99—147)



1. In the process of making vinegar, those steps

which comprise the turbulent circulation through a confined space of a volume of air substantially in excess of that required for oxidation, and substantially filling the cross section of said space with a finely divided mist of free drops of alcoholic nutrient solution containing vinegar bacteria, exposed substantially throughout said space to said air while falling free of support therethrough.

2,423,898
REFRACTORY BOTTOM FOR METALLURGICAL FURNACES
William Rex McLain, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application February 18, 1944, Serial No. 522,948
2 Claims. (Cl. 266—43)
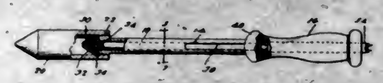


2. A bottom for the hearth of blast furnaces having a water-cooled jacket arranged thereabout comprising a center portion made of a plurality of courses of fire brick, and an outer portion arranged between said fire brick and the water-cooled jacket made of a refractory material, which will not flux the fire brick at smelting temperatures, and which is rammed into place therebetween, said refractory material consisting of a finely crushed mixture of a bonding material such as fire clay and sufficient carbonaceous material to provide a coefficient of heat conductivity at least as great as that of fire brick, whereby said refractory material will rapidly transmit heat away from said bricks thereby tending to prevent the formation of a salamander in the bottom of the furnace.

2,423,899
BAIT-MOUNTING NEEDLE
Andrew J. Odgard, Glendale, Calif.
Application July 5, 1945, Serial No. 603,387
3 Claims. (Cl. 43—4)



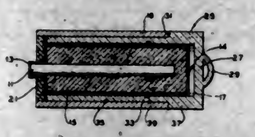
1. A bait mounting needle having a pointed bait receiving end and a thereto opposed tubular worm transferring end adapted to receive the point of a fish hook.

2,423,900
SOLDERING IRON
Royden W. Parker, Haddonfield, N. J.
Application February 27, 1945, Serial No. 579,931
2 Claims. (Cl. 219—27)



1. In an electrically heated soldering iron, a tubular frame provided with a slotway, a handgrip mounted on one end of said frame, a bit mounted on the other end of said frame, said bit being hollow to provide a reservoir for a supply of solder, the interior of said bit being in open communication with the bore in said frame and with an aperture opening through the tip of the bit, a heating element within said bit, a tubular pusher member slidably mounted in the bore of said frame and connecting said heating element at its forward end, leads extending from said heating element and rearwardly through the bore of said pusher member for connection with a source of current supply, and means slidable on said frame for moving said pusher member forwardly in said frame to cause said heating element to force-feed molten solder outwardly through the aperture in the tip of said bit, said means taking the form of a thumb piece slidably mounted in said slotway of said frame and connected to the rearwardly directed end of said tubular pusher member.

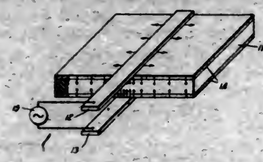
2,423,901
DEFERRED ACTION PRIMARY DRY CELL
John B. Perkins, Red Bank, N. J.
Application October 25, 1944, Serial No. 560,297
3 Claims. (Cl. 136—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A deferred-action type cell comprising a positive electrode, an inactive depolarizer mix surrounding said positive electrode; a substantially tubular negative electrode surrounding and spaced from said mix; an opening in one end of said negative electrode; a sealing member including a substantially cup-shaped closure adapted to seal the opening in said negative electrode and a substantially tubular shield adapted to slidably fit between the depolarizer mix and the negative electrode, said closure and shield being joined for ready separation, so that the shield may be separated from the closure and discarded upon activation of the cell.

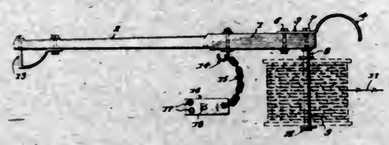
2,423,902
HIGH-FREQUENCY ELECTRIC FIELD HEATING APPARATUS
Thomas F. Peterson, Shaker Heights, Ohio, assignor of one-fifth to Joseph N. Nielsen, New York, N. Y.
Application July 21, 1943, Serial No. 495,559
12 Claims. (Cl. 219—47)

1. Electrode for the application of a high frequency electrostatic field to a dielectric comprising in combination a primary element of good conductivity and a secondary element of semiconductivity in electrical continuity with and



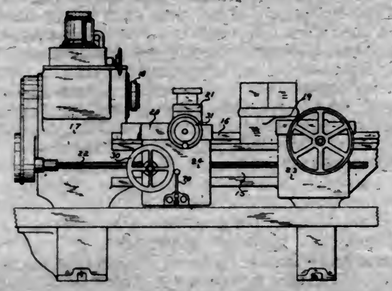
extending laterally from the primary element over the dielectric surface.

2,423,903
WIRE STRETCHER
Robert E. Roach, Mangum, Okla.
Application July 30, 1945, Serial No. 607,686
3 Claims. (Cl. 254—64)



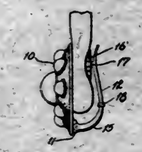
1. A wire stretcher comprising a lever, a bill curved longitudinally and having a shank disposed against a side of the front end portion of the lever with the bill extending longitudinally from the front end of the lever, fasteners passing through the shank and the lever and firmly holding the bill to the lever, a bar in longitudinal alignment with one fastener and constituting a spindle for carrying a spool of wire, said bar projecting transversely from the front end portion of the lever at the opposite side thereof from said bill, and a coupling carried by said bar and having threaded engagement with the last mentioned fastener for detachably mounting the bar.

2,423,904
MACHINE TOOL
Arnold Ruetschi, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1945, Serial No. 637,681
8 Claims. (Cl. 82—22)



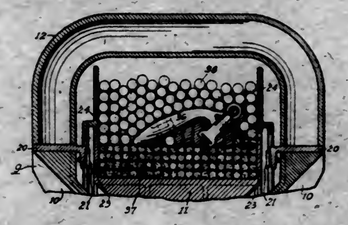
1. In a machine tool having a slide, a rapid traverse mechanism carried by said slide and comprising a power shaft, a pair of parallel drive shafts each having a gear freely rockable thereon, means connecting said drive shafts with said power shaft for rotation of the former in opposite directions to each other, a pair of driven shafts each axially aligned with a respective drive shaft and each having fixed thereto an elongated gear, a friction clutch for operatively connecting each pair of aligned drive and driven shafts, an output shaft having a gear fixed thereto and meshing with both of said elongated gears and adapted to be operatively connected with said slide for imparting rapid traverse movement thereto, a rockable control shaft provided with a pinion meshing with both of said drive shaft gears, a non-rotatable friction clutch actuating means on each of said drive shafts adjacent to said gear thereon, said drive shaft gears and said clutch actuating means being provided with cooperating camming portions so arranged that the simultaneous rocking of the gears in one direction by said control shaft from a neutral position effects engagement of one of said clutches and the simultaneous rocking thereof from neutral position in the other direction effects engagement of the other clutch.

2,423,905
EARRING
George Schuler, Jr., Crestwood, N. Y., assignor to Preformed Parts, Inc., Pleasantville, N. Y., a corporation of New York
Application November 24, 1943, Serial No. 511,535
6 Claims. (Cl. 63—14)



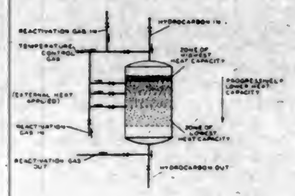
1. In an earring, a post, a strip, means pivotally attaching one end of said strip to said post, said strip being slit to form a tongue having its free end abutting said post, and means slidable on said strip for varying the effective length of said tongue.

2,423,906
WINCH CONSTRUCTION
Arthur B. Schultz, Wilmington, Del., assignor to All American Aviation, Inc., Wilmington, Del., a corporation of Delaware
Application February 26, 1944, Serial No. 524,027
4 Claims. (Cl. 254—150)



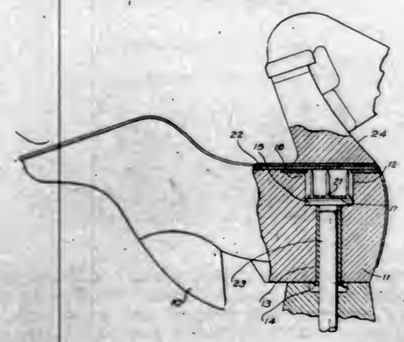
4. In a winch assembly, a frame, a drum journaled therein, a circular track attached to said frame adjacent each side of said drum, annular radially extending flanges in spaced relation encircling the periphery of said drum, rollers journaled on said annular flanges and adapted to run on said tracks, and a line for winding on said drum and between said annular flanges.

2,423,907
CATALYTIC CONVERSION OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 12, 1944, Serial No. 567,855
6 Claims. (Cl. 196—52)



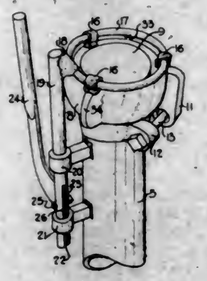
1. The method of effecting endothermic chemical reactions in a catalyst bed, which comprises preheating a catalyst bed containing a suitably active catalyst of relatively low heat capacity admixed with a relatively high heat capacity material arranged in successive increments of progressively decreasing proportions of said high heat capacity material whereby the heat retained by each increment of said catalyst bed after said preheating corresponds substantially to the quantity of heat potentially required from each increment in effecting said endothermic chemical reactions, and subsequently passing reactants under endothermic reaction conditions through said preheated catalyst bed in the direction of decreasing proportions of said high heat capacity material wherein a substantial portion of the heat of reaction is supplied by the release of heat from the high heat capacity material in said catalyst bed, in proportion to the heat required to compensate for the endothermic temperature loss in each increment of the bed in the direction of flow of reactant.

2,423,908
METHOD OF SECURING HEELS TO SHOES
Edward F. Small, Newton, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application October 5, 1945, Serial No. 620,453
3 Claims. (Cl. 12—147)



1. That method of making shoes which comprises providing a last having a fastening receiving recess in its heel seat portion connecting with a bore extending through its cone portion, inserting in said recess a fastener unit comprising a plurality of nails held in spaced relation by an insole reinforcing member, assembling the shoe parts upon said last and positioning a heel upon the heel seat portion thereof, and inserting a driving element within said last bore to drive the nails of said fastener unit through the heel seat portion of said shoe parts and into said heel, and to press said insole reinforcing member into contact with the insole of the shoe.

2,423,909
COVER OPERATING MECHANISM
Carroll Smith, Shreveport, La.
Application November 23, 1945, Serial No. 630,390
7 Claims. (Cl. 220—33)



4. In combination, a container provided with an opening, a cover adapted to be axially rotated into and out of closing relation with the opening, means for lifting said cover away from said opening and replacing the cover therein, said means comprising a lifting shaft, a carrier ring secured to said shaft and overlying said cover, and sleeve means on the cover slidably embracing circumferential portions of said carrier ring so as to connect the cover to the ring and permit the cover to be rotated relative to the ring into and out of closing relation to said opening.

5. In cover lifting mechanism for a container cover or the like, a lifting shaft adapted to be connected to the cover, guide means supporting said shaft for vertical and rotary movement on its axis, a handled lifting cam positioned in a slot formed in said shaft, the cam being pivoted to the shaft on a horizontal axis, and a bearing comprising a shank positioned in said slot beneath said cam, said bearing having a crosshead including arms projecting from opposite sides of the slot and slidably resting upon a portion of said guide means and a cam surface upon which the cam bears when moved on its pivot for raising and lowering said lifting shaft.

2,423,910
WOVEN FABRIC
Howard Snow and Eugene A. Gulledge, Charlotte, N. C., assignors to Southern Friction Materials Company, a corporation of North Carolina
Application April 26, 1944, Serial No. 532,850
5 Claims. (Cl. 139—409)

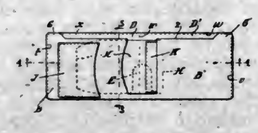
1. A multi-ply, double binder, woven fabric having ends in the top and bottom ply in the ratio of five to four, the bottom ply being symmetrical and having adjacent warp and binder yarns

which rise and fall together and thereby equalize tension in the bottom ply, successive pairs of



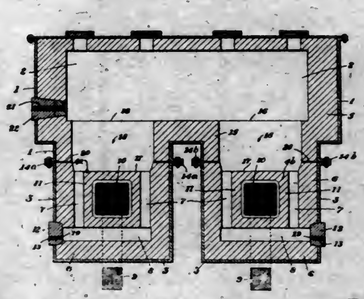
double binders being together, and the number of warps being at least double the number of binders.

2,423,911
BILLFOLD
Leopold G. Stanley, Maplewood, N. J.
Application October 9, 1943, Serial No. 505,621
1 Claim. (Cl. 150—38)



A billfold having left and right halves foldable together about a central vertical hinge line, and consisting essentially of three connected layers formed from a single flat blank, and characterized as follows; the first or outer layer being of the full length and vertical width of the billfold; the second or inner layer being an upfolded part of the blank contiguous to the outer layer and comprising spaced-apart left and right end sections each terminating short of the central hinge line and comprising also at the lower middle between said end sections an upstanding tongue straddling the hinge line, whereby said inner layer end sections and tongue in cooperation with the outer layer present a continuous finished bottom edge or fold; said central tongue being defined by slits in the inner layer extending downwardly between the end sections and tongue but terminating well short of the fold line between the outer and inner layers thereby to leave an uninterrupted lower margin of substantial width of inner layer; the third or intermediate layer being a part of the blank contiguous to the inner layer and comprising spaced-apart and downfolded left and right end sections disposed between the outer and inner layers; together with a longitudinally slidable bridge wall extending across the hinge line behind the left and right sections of the inner layer but through such slots and in front of and concealing the said upstanding tongue, said bridge wall being attached at one end only to one of the walls between which it lies and spanning the gap between such left and right end sections, and slidable at its unattached other end with the opening and closing of the billfold; such arrangement of layers being end-closed by edge stitching through the ends of the outer and inner layers and said outer and intermediate layers providing an upwardly-opening full length bill pocket the inner side of which is centrally closed by said bridge layer; and said billfold being further characterized in that the third or intermediate layer at the outer end of each section is formed with an incision extending from an end edge point, which is located below the foldline between the intermediate and inner layers by a distance equal to the width of the exposed top margin of the outer layer, to a point on said foldline which is located somewhat inwardly from the end edge, thereby to form an upstanding corner tab on said inner section of a size to reach upwardly beyond the inner layer to the extreme upper corner of the outer layer along the end edge thereof and appreciably around the corner for a short distance along the top edge of the outer layer, and in that the aforesaid end-closing stitching extends upwardly to attach said upstanding tab to the outer layer along the end and thence around the corner to attach the tab partly to the upper edge of the outer section.

2,423,912
INDUCTION FURNACE
Manuel Tama and Mario Tama, Morrisville, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J.
Application December 5, 1945, Serial No. 632,898
9 Claims. (Cl. 13—29)



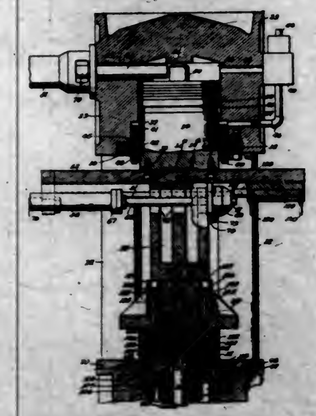
1. In a stationary submerged resistor type induction furnace for melting metals an upper hearth section, a plurality of inductor units interchangeably connected with said hearth section, means to empty the molten metal from the main portion of the hearth, means to empty the molten metal from an inductor unit prior to its exchange for another inductor unit and a refractory structure located in the bottom portion of the hearth projecting over the bottom level thereof and ending short of the level of the hearth emptying means adapted to retain a residual quantity of molten metal in the hearth and in another inductor unit.

2,423,913
COMPOSITE FUEL AND METHOD OF PREPARATION
Richard S. Vose, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application November 10, 1943, Serial No. 509,758
5 Claims. (Cl. 44—51)

1. In a method of producing a composite fuel composition comprising a mixture of a liquid hydrocarbon fuel oil and finely divided, carbonaceous material, the step of subjecting such a mixture to a heat treatment comprising maintaining the mixture at a temperature above 150° F. and below the cracking temperature of the liquid hydrocarbon fuel for such a prolonged period of time as to bring about a relatively sud-

den, as distinguished from a gradual, marked increase in viscosity, said fuel being characterized by stability with respect to settlement of contained carbonaceous particles even when diluted with a substantial proportion of added liquid hydrocarbon fuel of relatively low viscosity to substantially increase its fluidity.

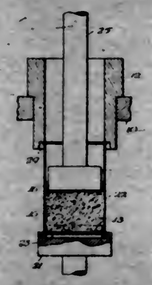
2,423,914
MACHINE FOR MOLDING PLASTIC MATERIALS
George W. Wacker, Cincinnati, Ohio, assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application March 5, 1941, Serial No. 381,841
13 Claims. (Cl. 18—30)



2. In an hydraulically driven injection molding press to operate while maintaining the molding material against bleeding between shots and from individually prepared charges of plasticized molding material, each charge being sufficient for more than one shot, the said charges being preformed and heated in means separate from the press, a mold, a reciprocable injection chamber having two predetermined dwell positions with respect to the mold, means for maintaining a leak-proof flow communication between the chamber and the mold in each of the positions of the chamber, an injection plunger operating in the chamber and normally retracted, means to cause the chamber to occupy its near position with respect to the mold during the injection stroke of the plunger, or to cause the chamber to occupy its far position with respect to the mold when the injection plunger is retracted, the means for maintaining a leak-proof flow connection embodying telescoping portions between the mold and said chamber, a fluid driven mechanism comprising a cylinder and piston to operate said injection plunger, a main source of pressure fluid of sufficient capacity to operate the elements of the press other than the said mechanism, an auxiliary source of pressure fluid, and means to combine the flow from both the main and auxiliary sources of pressure fluid to drive the piston of the said mechanism at high velocity throughout its effective stroke.

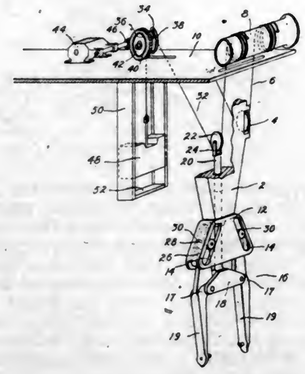
13. In an injection molding press adapted to exert extremely heavy thrust pressures to prevent opening the mold used in said press, but without imposing said heavy thrust upon the said mold, comprising a frame including a bed having a mold supporting surface, a fluid driven platen mechanism reciprocable toward and away from said bed surface and adapted to open and close a separable mold, and to lift and lower the mold as a unit into and out of operative association with the said bed surface and with an injection chamber, and to exert a clamping pressure, a separable mold comprising an upper and a lower section, said lower section being adapted for operative association with an injection chamber, a work cavity in said mold adapted to form a confined space to receive flowable molding material under pressure, and substantially without leakage, in two definite closing positions of the mold, an injection chamber located substantially within said bed and comprising a straight cylindrical bore having an open end, movable stepped compression members adapted to be interposed between the said bed and the platen and of such a length to sustain the total clamping pressure of the platen when the mold is empty of molding material, and such proportion of the total clamping pressure, when the mold is filled with molding material under the injection pressure as is determined by the effective projected area of said mold, the said steps limiting the lowering movement of the platen to determine corresponding closed positions of the mold, means to operate the platen to lower it against the high step of the compression members and to exert its pressure thereon, said movement closing the hold to its injection position, means to force a portion of a charge of prepared molding material from the injection chamber into the mold to fill the said work cavity with material under pressure, means to shift the compression members to permit a predetermined additional lowering of the platen after the completion of the injection stroke and while the injection pressure is still maintained upon the material in the injection chamber, means to momentarily remove the clamping pressure of the platen to permit the shifting of the compression members, and to resume the clamping pressure after shifting said compression members, thus to exert pressure upon the material in the cavity of the mold, but not necessarily upon the land of the said mold.

2,423,915
METHOD FOR HEATING AND PACKAGING THERMOPLASTIC MOLDING MATERIAL
George W. Wacker, Chicago, Ill.; assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application May 31, 1943, Serial No. 489,118
1 Claim. (Cl. 18—48)



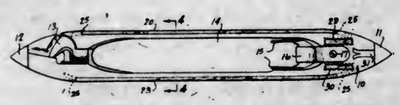
The method of heating and packaging molding material which consists in placing an electric conductor closure element in a non-conductive cylindrical chamber to close the bottom of the chamber, placing a predetermined quantity of molding material in said chamber, applying an electric conductor closure element to close the top of the chamber after the material is in the chamber, applying electrodes to said closure elements and supplying high frequency current to the electrodes to heat the material in said mold, and finally forcing the heated material and the closure elements out of said chamber and into a container.

2,423,916
FRICTION DRIVE CONTROL
William Harley Walker, Harvey, Ill.
Application July 12, 1945, Serial No. 604,678
11 Claims. (Cl. 212—11)



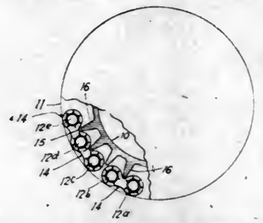
2. In a hoisting device employing gripping tongs opened and closed by an actuating cable, a friction driving means incorporating a driven friction drum, friction segments thereon frictionally engageable with the tong actuating cable; and a reversible electric tong actuating motor for driving the friction drum to open and close the tongs, the improved control circuit for the tong actuating motor which comprises a relay having contacts in series with the armature of the motor, a circuit for energizing the relay and thus closing its contacts, a second relay having contacts in series with the circuit for energizing the first relay, said second relay being of the time delay type, and means to initiate actuation of the second relay upon starting of the motor so that the first relay is deenergized and its contacts opened a predetermined time interval thereafter.

2,423,917
PLASTIC SHUTTLE
Paul B. Wilson, Portland, Oreg., assignor to Harold D. Wolgamot, Portland, Oreg.
Application July 5, 1945, Serial No. 603,336
6 Claims. (Cl. 139—196)



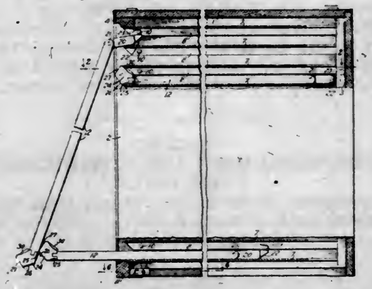
1. A loom shuttle having its body portion molded from plastic material and having wear strips of a different material affixed to its upper and lower edges at each side thereof and having their ends projecting into the body portion.

2,423,918
NUT OR BOLT LOCK
Joseph W. Wohlhieter, East Orange, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey
Application November 27, 1944, Serial No. 565,204
2 Claims. (Cl. 151—49)



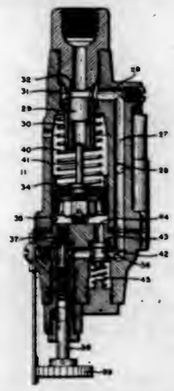
2. A lock for a plurality of laterally spaced nut elements, comprising: a spring sheet metal device having holes to receive the nut elements, the margin of each hole being serrated to form an edge for resiliently engaging the peripheral surface of the nut element to strongly resist displacement, and the metal around the hole being dished.

2,423,919
CARD INDEX CABINET
Carl F. Wolters, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 20, 1943, Serial No. 487,744
3 Claims. (Cl. 45—2)



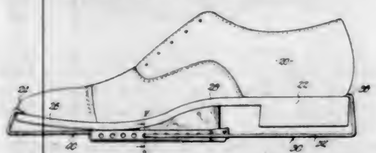
1. A card index cabinet, comprising a casing having spaced side walls formed with a plurality of spaced parallel longitudinal grooves opening through their inner faces and arranged in opposite corresponding relation, a plurality of partitions extending between opposite side walls in spaced parallel relation each having its side margins seated in opposite corresponding grooves, a plurality of guide strips engaged with the inside faces of said side walls and the lower side margins of said partitions, each guide strip having a laterally projecting rib seated in one of said grooves, means rigidly retaining said partitions and ribs in said grooves for securing said side walls together in cabinet forming relation, said partitions forming a plurality of separate tray compartments, said strips forming with said side walls and margins of the partitions below guide channels at opposite sides of said cabinet, a tray slidable in each compartment having side members slidably guided in opposite channels, and cooperative means on the rear end of each tray and at the front end of said cabinet for normally retaining the trays against complete detachment from the cabinet when slidably withdrawn from the compartments.

2,423,920
TIMER FOR RIVETERS
Basil J. Yanchenko, Syracuse, N. Y., assignor, by mesne assignments, to G. A. Braun, Inc., Syracuse, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,885
8 Claims. (Cl. 137—139)



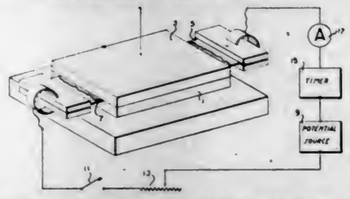
1. In a timer, the combination of a casing having an inlet passage for a motive fluid, and an outlet passage, the inlet passage having a self-returning combined intake and exhaust control valve therein normally arranged with its intake closed and its exhaust open, a transfer passage between the valve and the outlet, a normally open cut-out valve operable to close the outlet, and pressure-operated means in the timer operated by the pressure of the air in the transfer passage for controlling the last valve including means for causing the cut-out to close with a snap action.

2,423,921
SHOE REARCHING AND STRAIGHTENING APPLIANCE
Russell M. Anderson, Kansas City, Mo.
Application November 6, 1944, Serial No. 562,066
5 Claims. (Cl. 12—129.1)



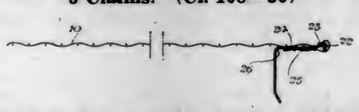
1. A shoe re-arching and straightening appliance comprising a heel member formed to engage the rear portion of the shoe heel and extend longitudinally therebeneath; a toe member formed for engagement with the toe of the shoe and extend beneath the shoe toward the heel member; and a pair of levers interconnecting said heel member and the toe member arranged to draw said members toward each other upon manual manipulation of the levers, one of said levers having a portion of one longitudinal edge thereof in engagement with the sole of the shoe at the shank thereof when the appliance is in the operative position, said lever being of a length to extend forwardly from the shank to a point spaced from the toe of the shoe, said shank engaging portion of the lever being arched to present the desired curvature to the shoe sole at the said shank thereof, said arched portion of the lever merging with the forwardly extending length thereof to establish an upward pressure along the entire length of said longitudinal edge against both the shank and portion of the sole adjacent thereto, as downward pull is exerted at the heel and toe of the shoe.

2,423,922
PIEZOELECTRIC TRANSDUCER
John P. Arndt, Jr., Euclid, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1943, Serial No. 471,966
16 Claims. (Cl. 171—327)



1. The steps in a method of fabricating a piezoelectric transducer which comprise selecting a section of piezoelectric material a face of which has an electrically conductive layer, applying to said face a conductive lead-extension having a surface coating of material capable of adhering to the conductive layer when subjected to heat and pressure, subjecting said surface to heat and pressure and simultaneously establishing a plurality of electrically conductive paths between said extension and said layer.

2,423,923
GUARD FOR ROOFING GUTTERS
Hector Audino, Teaneck, N. J.
Application October 2, 1945, Serial No. 619,773
3 Claims. (Cl. 108—30)

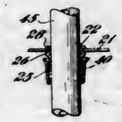


1. In a roof gutter guard, in combination, a wirecloth having a selvage edge and formed in a continuous strip of proper width, a line of weakened areas in the transverse wires, said line extending along said wirecloth parallel to the other edge and spaced therefrom, and a second line of weakened areas in the transverse wire, said second line being spaced from said first line and parallel thereto, whereby said screen may be given a 180° bend along said second line after cutting in suitable lengths and a 90° bend in the reverse direction along said first line to provide a depending portion of said screen spaced from the edge thereof for cooperation with a roofing gutter in which said sectional guard is installed said depending edge being adapted to extend within the gutter and the portion between said two ends being adapted to rest on the gutter edge.

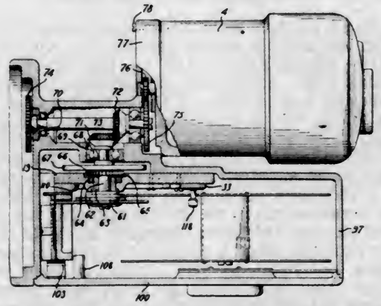
2,423,924
CATHODE-RAY TUBE
Karl C. Augenstein and Albert Rieth, Cranston, R. I., assignors to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application July 15, 1943, Serial No. 494,764
3 Claims. (Cl. 250—162)

1. In an electronic beam translating device of the type having an electron-responsive surface,

an electron gun spaced from said surface and including an emissive cathode capable of projecting a beam of electrons toward said surface, one or more anodes, and deflecting plates interposed between said surface and electron gun, means for rigidly mounting said anode and deflecting plates in predetermined alignment, said means comprising at least one annular member fitting about each anode, each annular member being formed with a laterally projecting flange having circumferentially spaced openings adjacent to its periphery, a laterally projecting flange secured to each deflector plate and formed with spaced openings aligned with those in the flanges of the annular members, accurately aligned sleeves fitting within said openings and rigidly secured to their respective flanges, rod-like insulating members projecting through said sleeves so as to support each anode and the deflecting plates in a predetermined spaced aligned position, and tapered eyelets fitting about and contracting said sleeves so as rigidly to hold the annular members and flanges in said predetermined aligned position.

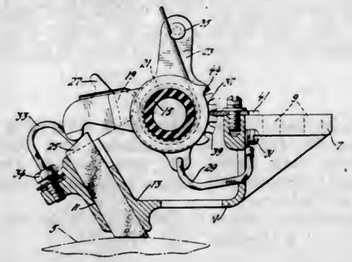


2,423,925
FILM GUIDE FOR CAMERAS
Frank E. Biddle, Los Angeles, Calif., assignor, by mesne assignments, to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application June 30, 1945, Serial No. 602,483
3 Claims. (Cl. 88—18.4)



1. A camera casing having an exposure aperture member, a movable back plate therefor, a fixed edge guide on said back plate for the rear edge of the film, said back plate having a pressure pad for said aperture member, said pressure pad and said aperture member providing a straight channel portion for the film, a claw movement behind said back plate, said back plate below said pressure pad having an elongated aperture to receive the claw, said back plate below said pressure pad having a curved face, a correspondingly curved front pressure plate having a companion elongated aperture to receive the claw, said curved front plate and the curved face of said back plate defining a curved channel portion for the film, spring means for urging said front plate towards said curved back plate portion, said back plate, said pressure pad, said curved front plate and said exposure aperture member extending laterally from said fixed edge guide a distance less than the film width, a door for said casing, a pressure edge guide on said door for the front edge of the film, and means supporting said pressure edge guide at the front edge of said straight and curved film channel portions.

2,423,926
BRUSH HOLDER
Loren D. Britton, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 2, 1944, Serial No. 552,451
4 Claims. (Cl. 171—324)



1. A brush holder comprising a body having a brush slot extending therethrough, a brush finger and lever movably mounted on the body, means for locking the lever in different positions with respect to the body and resilient means between and in frictional engagement with the finger and lever to frictionally hold the finger in different positions with respect to the brush slot and lever, said resilient means having portions adapted to be engaged with the lever and finger to urge the finger toward the brush slot and away from the lever.

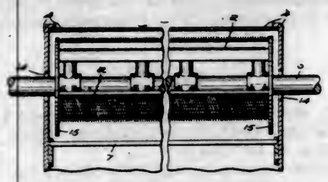
2,423,927
CONSTANT VISCOSITY HYDRAULIC FLUID COMPOSITIONS
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 22, 1942, Serial No. 444,118
4 Claims. (Cl. 252—78)

1. A liquid composition having small change of viscosity with temperature change, which consists of at least one aromatic compound from the group consisting of toluene, xylenes, mesitylenes, ethyl benzene, triethylbenzene, chlorobenzene, dichlorobenzene, alpha chloronaphthalene, and amyl naphthalene, and between 3 and 5 per cent by weight of polyisobutylene of molecular weight about 100,000 carried thereby.

2,423,928
COTTON PICKER
Robert S. Curley, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application December 8, 1943. Serial No. 513,334
4 Claims. (Cl. 19—94)

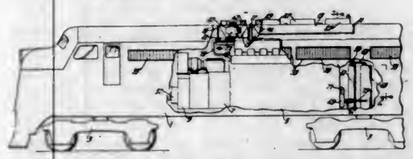
1. A cotton picking machine including a skeleton type beater for cotton working machines provided with circular imperforate disks closing its opposite ends, said disks having an outside diameter approximately equal to the maximum outside diameter of the fiber working peripheral area of the beater, said disks substantially pre-

venting the end inflow of air to the interior of said beater where it will be discharged from the periphery thereof, a casing surrounding said beat-



er, and a shaft for said beater, said casing including apertures through which said shaft extends, said apertures being of larger size than said shaft to admit air to the ends of the beater.

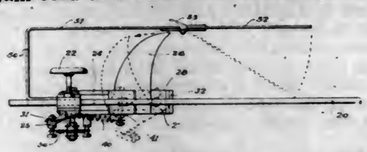
2,423,929
LOCOMOTIVE COOLING SYSTEM
Thomas B. Dilworth, Hinsdale, and Milo M. Schalla, Oak Lawn, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 5, 1945, Serial No. 620,582
6 Claims. (Cl. 105—35)



1. In combination, an engine having a coolant space, a radiator connected with the coolant space to provide a coolant circulating circuit, a plurality of fans adjacent the radiator causing air flow through different portions of the radiator, fan driving means including an engine driven alternator and separate induction motors driving individual fans, power connections including separate switching means for connecting each fan motor to the alternator for operation at a speed proportional thereto and fan motor control means including means acting in response to different predetermined values of engine coolant temperatures above a predetermined value for efficient operation of the engine and relays connected therewith and controlled thereby for causing sequential closing of the separate fan motor switching means upon an increase in the temperature of the circulating coolant above said minimum value in order to cause sequential starting and operation of the fan motors and for causing simultaneous operating of the switching means upon a decrease in the temperature of the coolant below said minimum value in order to cause simultaneous shut down of the fan motors operating.

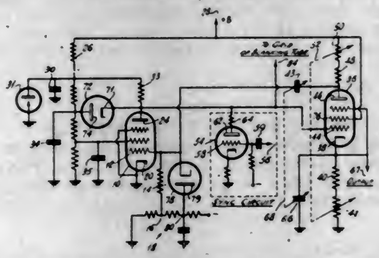
2,423,930
CUT-DOWN DEVICE
Lloyd Berten Duff, Milwaukee, Wis., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 22, 1945, Serial No. 601,001
7 Claims. (Cl. 17—24)

1. A device for cutting a carcass down from a conveyor trolley moving along a supporting rail, said carcass being carried on the trolley by a removably mounted gambrel, comprising a knife positioned to engage and sever the gam cord on one of the legs of the carcass as the leg is driven into the knife by movement of the carcass along said rail, and a movable mounting for said knife whereby it is held projected to engage against the gam cord of the said one of the legs to sever



the gam cord as the carcass progresses along the rail, and said knife being adapted to move downwardly with the leg after the gam cord is severed and said movement continuing until the leg becomes disengaged from the knife.

2,423,931
APPARATUS FOR GENERATING SWEEP VOLTAGES
Howard E. Etter, Salem, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1944, Serial No. 532,797
7 Claims. (Cl. 250—36)

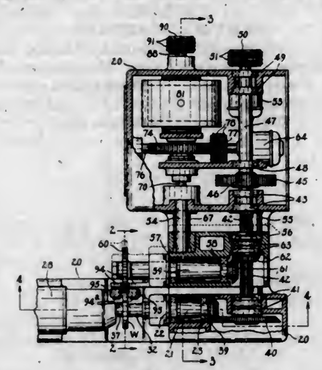


1. In an electric wave generator, means including an adjustable anode resistor for applying a positive operating voltage to the anode of a vacuum tube, adjustable impedance means for connecting the cathode of the same vacuum tube to its anode return circuit, a capacitance in shunt to said impedance means, an electric wave output connection located with respect to said impedance means to be substantially at the cathode potential, a feedback connection from said anode resistor terminating in means for applying an alternating current feedback voltage to the grid of another vacuum tube, a connection for applying a positive potential to the anode of said other vacuum tube, a connection from said potential applying means including means for applying a voltage representative of the anode potential of said second vacuum tube to a control electrode in the first vacuum tube, and means operative simultaneously to adjust said adjustable anode resistor and said adjustable impedance means.

2,423,932
GEAR ROLLING MACHINE
Herman Finzel, Chicago, Ill., assignor to N. H. Weil, Ralph Weil, and George Weil, all of Chicago, Ill., as trustees
Application December 15, 1944, Serial No. 568,321
12 Claims. (Cl. 80—16)

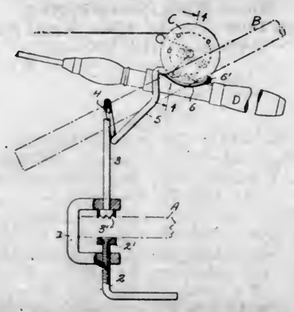
1. In an automatic gear rolling machine, in combination, a base, two shafts rotatably mounted in axial alignment on said base and provided at their adjacent ends with cooperating jaws for clamping a workpiece therebetween, means including fluid pressure means arranged

for axially moving one of said shafts relative to the other, a slide supported on said base for reciprocation perpendicular to the axis of said shafts, an arbor rotatably mounted on said slide in parallel with said shafts and adapted to receive a toothed die, a drive shaft mounted on said base parallel to the direction of motion of said slide, a reversible motor, fixed speed ratio driving connections between said motor, said drive shaft, said arbor, and the other of said first mentioned shafts, a planetary gear set supported on said base and comprising a reversible output shaft connected to said slide to move it in opposite directions, an input shaft, and a rotatable casing geared to said output shaft, a feed motor



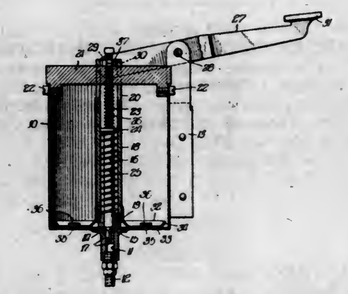
connected to said input shaft to effect rotation of said casing in one direction and a return motor connected to said casing to effect rotation thereof in the opposite direction, automatic means responsive to operation of said hydraulic means for controlling energization of said motors, including automatic means for periodically reversing the energization of said reversible motor, automatic means responsive to the position of said slide to control said automatic reversing means and to alternately energize said feed motor and said return motor and including time delay means arranged to delay the energization of said return motor, and manually operated selector means to provide for individual manual energization of said motors independent of the operation of said hydraulic means.

2,423,933
FISHING ROD HOLDER
Edmond J. Gosh, Milwaukee, Wis.
Application February 25, 1946, Serial No. 649,994
2 Claims. (Cl. 248—40)



1. A fishing rod holder comprising a clip, a threaded clamping lever carried by one finger of the clip, a stem swiveled in the other finger of said clip terminating with a tooth gripping lug, associated with the clamping lever, for engagement with a board, a loop formed at the upper end of the stem, an arm extending outwardly from the loop, a second loop formed at the end of the arm, the same being of the yoke type having curved legs, and a throat adapted to receive a reel and handle of a fishing rod.

2,423,934
AGITATOR AND DISPENSER FOR LUBRICATING COMPOUNDS
Hans L. C. Hansen, Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1943, Serial No. 496,451
4 Claims. (Cl. 222—246)

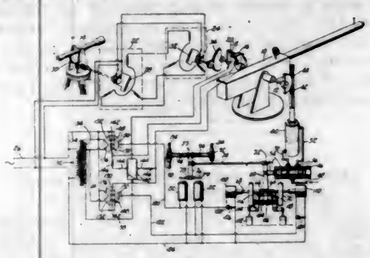


1. A mechanism for attachment to a press or other machine for intermittently dispensing unit quantities of a fluid or semi-fluid material in conjunction with the operation of the machine, comprising a reservoir which is provided in its bottom with an outlet, a valve seat in the outlet, a vertically reciprocable rod provided adjacent its lower end with a valve which in its lowered position normally engages the seat to close the outlet, a vertically reciprocable tube slidably encompassing and in guiding relation to the rod, a lever operatively connected with the tube, which lever is adapted to be oscillated by a movable part of the associated machine to intermittently raise the tube, a spring acting between the tube and the rod to raise the rod each time the tube is raised, an adjustable stop in the path of movement of the rod for limiting the extent to which the rod is raised by the tube irrespective of the extent to which the tube is raised by the lever, and a second spring acting against the rod in opposition to the first spring to lower the rod when the tube is lowered.

2,423,935
CONTROL MECHANISM
George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 28, 1942. Serial No. 463,679
13 Claims. (Cl. 121—41)

4. In a fluid-pressure system, a motor, a control valve for said motor, a pivoted armature connected to said valve, an electromagnet for turning said armature to open the valve, and operator-controlled means for delivering a pulsating current to said electromagnet.

9. In a fluid-pressure system, a motor, a slide valve controlling said motor, a lever connected to said slide valve, means for vibrating said lever to



open the valve intermittently, and means for moving the fulcrum of said lever to fully open the valve.

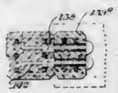
2,423,936

PRECAST REINFORCED CONCRETE MEMBER

Albert Henderson, Edgewood, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

Original application May 11, 1945, Serial No. 593,220. Divided and this application June 29, 1945, Serial No. 602,327

6 Claims. (Cl. 72—108)



1. A building construction comprising a plurality of precast reinforced concrete members including a support member having a tie extending laterally therefrom, a bracket member hanging on said tie and abutting one side of said support member, and a beam member transversely disposed to said support member and resting on said bracket member, said beam member when loaded causing bending action on the top and side of said bracket, and a tension reinforcing member embedded in the upper portion of said bracket member parallel to the said beam member, said reinforcing member comprising a metal member having a bore therein enclosing said tie extending from said support member.

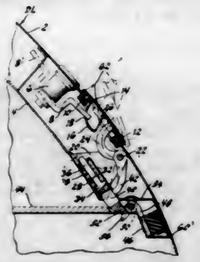
2,423,937

DECK LID HANDLE AND LOCK

Frank Humer, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 22, 1945, Serial No. 574,019

1 Claim. (Cl. 292—173)



In a lock and latch mechanism for the deck lid of an automotive vehicle, said lid having an opening, a sealing means around said opening, a handle hinged within the lid at one side of said opening and adapted to move bodily over and away from the opening, said handle in its closed position being substantially flush with the outer surface of the lid in contact with said sealing means, a latch bolt mounted in the lid and adapted to engage in an opening in the deck to hold the lid in latched position, and a lever secured to the handle and operated by the movement of the handle and engageable with the latch bolt to cause the release of the bolt to enable the lid to be raised.

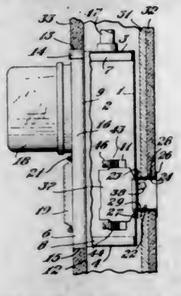
2,423,938

SERVICE CABINET

Ernest G. Johansson, Belmont, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application November 22, 1944, Serial No. 564,575

9 Claims. (Cl. 200—168)



1. A service cabinet for housing a plurality of switches controlling different load circuits of a building, the cabinet having means for mounting it in the wall of the building with its front and rear sides facing from opposite sides of the wall, the cabinet having a large opening in its rear side and a small opening in its front side, the front side of the cabinet being permanently closed except for said small opening so that it cannot be opened from the front and means in the cabinet upon which said switches may be mounted through said large opening with their handles operable through said small opening, the latter opening being large enough to accommodate said handles but smaller than the switches so that the switches cannot be tampered with through the small opening.

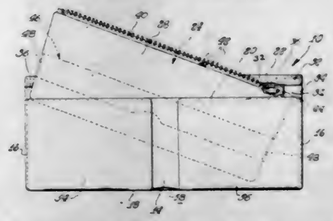
2,423,939

WALLET WITH SECRET COMPARTMENT

Simon Knee, Newark, N. J.

Application December 12, 1945, Serial No. 634,483

2 Claims. (Cl. 150—36)



1. In a wallet having a pocket provided with an opening, means removably positioned in said pocket and dividing the latter into two compartments, said dividing means comprising two walls joined to each other only at their upper edges whereby one of said walls is retractable from one of said compartments while the other of said walls remains positioned in said pocket and forms a partition wall in said pocket between said two compartments, and means positioned between said two walls and extending longitudinally thereof for retaining bills or papers placed in said dividing means and operative, when said one of said walls is retracted, to separate said bills or papers from other bills or papers placed in said one of said compartments, said retaining and separating means comprising a strap attached only at its opposite ends to said other wall of said dividing means, and means releasably fastening the longitudinal upper edge of said partition wall to an upper edge of the wallet for closing the pocket opening to the other of said compartments, said first mentioned wall of said dividing means being retractable from said one of the compartments while said opening to said other compartment is closed by said fastening means.

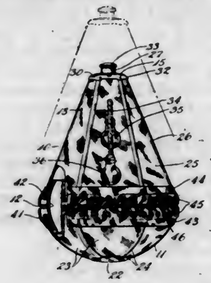
2,423,940

EXPANSIBLE IMPACT CONTAINER PROVIDED WITH YIELDABLE RETAINING MEANS

Carroll P. Krupp, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application May 31, 1943, Serial No. 489,201

10 Claims. (Cl. 150—1)



1. An impact container for flowable material, said container comprising a hollow body including a wall portion of flexible non-metallic material having a foldable portion therein and margins adjacent said foldable portion, and means including a breakable element attached to both said margins for retaining said foldable portion collapsed, said means being effective upon impact of the container with contained flowable material to release said foldable portion by breakage of said element under the force of the impact, for enlargement of the container space.

2,423,941

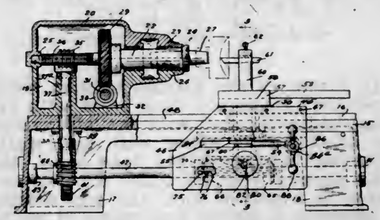
METALWORKING MACHINE

Eugene W. Laisne, Fresno, Calif.

Application March 6, 1944, Serial No. 525,249

4 Claims. (Cl. 82—12)

1. In a metal working machine of the character described a rectangular base member having ways on its upper face to extend lengthwise thereof; a work spindle rotatably mounted on the upper face of said bed parallel with, but spaced above, the ways; a work holding means on the inner end of said spindle; a carriage mounted on said ways to slide therealong; manually operable means between said carriage and bed for moving said carriage along the bed; a tool block mounted upon the upper face of said carriage rotatable around an axis at right angles to the axis of the spindle; an adjustable tool slide carried by said tool block extending at right angles to the axis of the tool block and normally substantially parallel to the spindle; a tool holder projecting upwardly from one end of said slide arranged for



the reception of a cutting tool; means between said spindle and tool block for causing the same to rotate in unison; means included in said last means for selecting the direction of rotation of the tool block relative to the spindle or to disconnect the same; an electrically operated power unit; and means inserted in the power circuit of said unit adapted upon a predetermined rotation of said tool block to interrupt said power circuit and discontinue operation of the power unit.

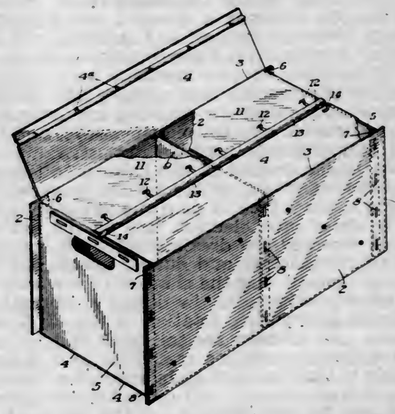
2,423,942

COLLAPSIBLE FIBERBOARD CONTAINER

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware

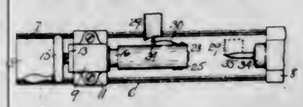
Application June 7, 1943, Serial No. 489,928

1 Claim. (Cl. 229—23)



A foldable box of the class described formed of fibrous material having stiff side walls and end walls, the end walls having folds at the opposite ends thereof which are reversely turned whereby the fold at one end of each end wall is turned inwardly and that at the other end is turned outwardly of the box, the two end walls have their corresponding folds faced in the same direction, means for fastening the folded portions to the side walls, and flaps pivoted along the top and bottom edges, respectively, of at least one of said walls, all folds of the box opening to substantially a single plane when the box is folded.

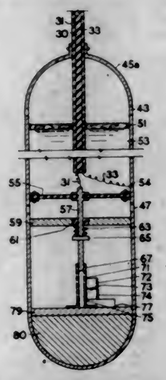
2,423,943
GRINDING WHEEL DRESSER
Albert A. La Pointe, West Hartford, Conn., assignor to La Pointe Engineering Company, Unionville, Conn., a corporation of Connecticut
Application July 17, 1943, Serial No. 495,147
7 Claims. (Cl. 125—11)



1. In machines for shaping articles, wherein the machine includes a head stock with chuck for supporting the work with the latter rotative, a tail stock axially alined with and shiftable rectilinearly relative to the head stock, and a rotative shaping element bodily movable in the direction of length of such axis and normal to such direction to permit positioning of its shaping face relative to the positioned work to provide work-shaping activity by concurrent rotation of work and element by element movement in a direction normal to the direction of length of such axis, the combination with such machine, of means carried by the tail stock for producing a shaping face on the shaping element with a radial section of the element presenting such face as in converse to the surface characteristics of the work product as presented on a diametrical section extending longitudinally of the work axis, said means including an instrumentality carried by the tail stock and having a member manually adjustable in the direction of length of the tail stock axis and relative to a support carried by the tail stock and extending in axial alinement with the tail stock axis, said support carrying a removable pattern internally and axially alined with the support axis and with the pattern having its control surface conforming to the surface characteristics of the completed work surface, said member carrying a dressing tool extending radially into such support and movable with the member rectilinearly of the support by the manual adjustment of the member, and a sleeve overlying the support and member and secured to the member with the dressing tool extending radially through and beyond the sleeve, said tool being longitudinally movable in such radial direction under control of the pattern to thereby cause the outer end of the tool to traverse the shaping element face by such manual adjustment and to dress such element face by the pattern control, whereby the dressing activities are progressive rectilinearly and during rotation of the shaping element and the shaping of the work is by element adjustment in direction normal to such axis and during rotation of the work and element, and whereby the tail stock and the element shaping means in a rectilinear path is positionable in inactive position by relative movement of the shaping element and the tail stock between active and inactive positions of the tail stock to permit successive dressing activities with the same pattern at will.

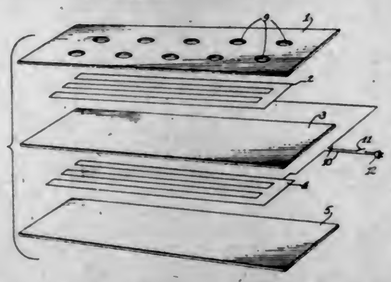
2,423,944
WELL FLOW CONTROL
Joe Hiram Moore, Hobbs, N. Mex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 22, 1944, Serial No. 550,604
3 Claims. (Cl. 166—2)

1. For use in a well installation comprising electrical circuit means for the control of fluid flow at the well head, a housing adapted to be positioned in a well, an elongated chamber in said housing adapted to be filled with a fluid of predetermined density, a movable fluid-tight partition forming a portion of the walls in the lower portion of said chamber, one side of said partition being in contact with the well fluid and exposed to the hydrostatic pressure of the well fluid standing above said partition, the other side of said partition being in contact with the fluid of predetermined density in said chamber, port means through the walls of the upper portion of said chamber opening to the well substantially



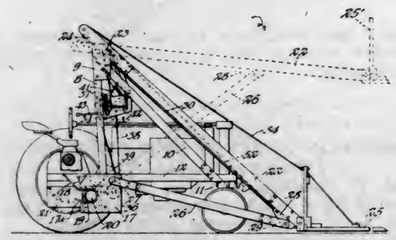
above said partition, whereby said other side of the partition is exposed to the superimposed hydrostatic pressure of the fluid in said chamber and of the well fluid standing thereabove, said partition being normally maintained stationary by the balance of the hydrostatic pressures applied to the two sides thereof, switch means associated with said partition and adapted to be closed by a fluid pressure-responsive displacement of said partition, and means comprising conductor means connected to said switch means and to said control circuit at the surface for energizing said circuit in response to the closure of said switch means.

2,423,945
ELECTROLYTIC STEAM PAD FOR IRONING BOARDS
Lloyd I. Osipow, Brooklyn, and Eugene Blumenthal, New York, N. Y., assignors to Technical Products Company, Hudson County, N. Y.
Application November 3, 1944, Serial No. 561,656
2 Claims. (Cl. 219—19)



1. A steam producing pad for use under the top layer of fabric of an ironing board, comprising three superimposed liquid absorbent pads separated by metallic electrodes, electric conductors connected to the electrodes for supplying house current thereto, a water receptacle adjacent the absorbent pads, and means to conduct water from the receptacle to the absorbent pads, whereby when current is passed through the electrodes, steam is generated to penetrate the said ironing board fabric layer.

2,423,946
HAY STACKER
Henning I. Ostlund, Minneapolis, Minn.
Application May 29, 1944, Serial No. 537,800
7 Claims. (Cl. 214—140)



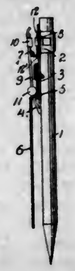
1. In a hay stacker, a frame, a rake boom pivotally connected to said frame for movement relative thereto, a cable connected to said boom, a drum upon which said cable is adapted to be wound to raise said boom, and a support for said drum shiftable in response to movement of said boom to change the angle of the axis of said drum and maintain a level winding association between said drum and said cable during movement of said boom.

2,423,947
CATALYTIC REFORMING PROCESS
Edgar C. Pitzer, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 30, 1941, Serial No. 391,216
7 Claims. (Cl. 196—50)

1. The process of reforming low knock rating gasoline to produce high knock rating motor fuels which comprises vaporizing said low knock rating gasoline and contacting the vapors at conversion temperatures and in the presence of hydrogen with a catalyst consisting essentially of alumina and a promoter prepared from gelatinous alumina made by coagulating a solution of an alkali metal aluminate with controlled addition of acid in stoichiometrical proportions, then washing free of alkali metal salts, said alumina being promoted with a small amount of an oxide of a Group VI metal, regulating the space velocity within the range of about 2 to 5 volumes of oil per hour per volume of catalyst, regulating the hydrogen concentration within the range of about 0.5 to 5 mols of hydrogen per mol of hydrocarbon treated and recovering gasoline from the products of said reaction by fractional distillation.

2,423,948
DEVICE FOR SUPPORTING ARTICLES ON GARMENTS
Charles W. Prince, Kansas City, Mo.
Application February 17, 1943, Serial No. 476,154
2 Claims. (Cl. 24—11)

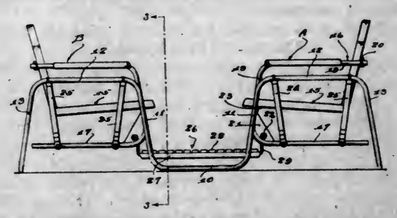
1. In a device for attaching an article, as a writing implement or a comb, to a garment, a plate of resilient material having a flat body portion and means adapted for fastening it vertically to one side of the article, said plate having its lower end portion formed into an outwardly extending projection forming an abutment with a flat, smooth upper side, a U-shaped spring above said abutment, and having one arm fastened to the outer side of said plate, and a gripping member fastened to the other arm of said spring and extending downwardly therefrom along the outer side of said plate with its lower free end portion wholly above, spaced from, but so near to, said flat upper side of said abutment as to sharply bend and tightly pinch against said abutment a garment fabric inserted between said free end portion and said abutment.



2,423,949
CONTROLLED CATALYTIC PHOTOCHEMICAL OXIDATION OF ORGANIC COMPOUNDS
Frederick F. Rust and William E. Vaughan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 30, 1943, Serial No. 474,223
13 Claims. (Cl. 204—162)

3. A process for the production of acetic acid which comprises reacting ethane and oxygen in the presence of hydrogen bromide and at a temperature of between about 100° C. and about 200° C., effecting the reaction under the deliberate influence of ultra-violet rays having wave-lengths below 3000 Angstrom units, continuing the reaction for a period of time sufficient to cause the controlled catalytic oxidation of ethane, and recovering acetic acid from the reaction mixture thus formed.

2,423,950
SWING
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application November 20, 1943, Serial No. 511,082
1 Claim. (Cl. 155—61)



A swing comprising a pair of facing back and seat assemblies, each assembly having a horizon-

tally disposed frame part arranged at each side and forming the lower end of the assembly, a vertically disposed frame part arranged at each side and forming the front of the assembly, a diagonal brace between each of the adjacent horizontally and vertically disposed frame parts, and a horizontal rod disposed crosswise at the front of the frame part and secured at its ends to said diagonal braces, a supporting standard including a horizontal member arranged above each frame part, legs extending downwardly from each end of said horizontal members, a central floor engaging member connecting the lower ends of adjacent legs, a floor engaging member connecting the lower end of the other leg and the corresponding leg on the other side of the standard, pairs of spaced links pivoted at their upper ends to the horizontal members respectively and at their lower ends to the horizontal frame parts respectively, a platform between said back and seat assemblies and spaced downwardly from said horizontally disposed frame parts respectively, said platform including horizontal braces extending beneath the sides thereof, hangers fixed to and extending upwardly from the ends of said braces, and downwardly facing hook members on said hangers loosely and pivotally engaging the adjacent horizontal rod.

2,423,951

CATALYTIC PROCESS FOR THE PRODUCTION OF BUTADIENE AND CATALYST THEREFOR

Le Roy U. Spence, Elkins Park, and Darrel J. Butterbaugh, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application August 30, 1944, Serial No. 551,998
7 Claims. (Cl. 260—681)

6. A process for producing butadiene which comprises vaporizing ethanol, passing the vapors thereof over a catalyst comprising zinc oxide modified with a zinc salt selected from the group consisting of silicate, phosphate, and tungstate, while maintaining said catalyst at a temperature between 375° C. and 500° C., to form a gaseous mixture, cooling said gaseous mixture to about 0° C. and condensing a portion of said gaseous mixture, separating the condensed portion from the remaining gaseous portion, removing butadiene from said remaining gaseous portion, vaporizing said condensed portion and passing the vapors thereof over a catalyst comprising an alkali-digested mixture of zirconium oxide and silica, to form a gaseous mixture containing butadiene, and separating the butadiene therefrom.

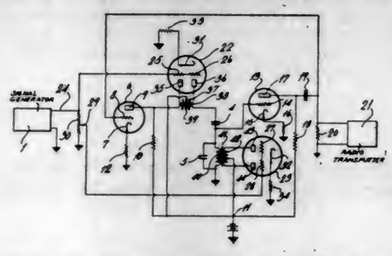
2,423,952

FREQUENCY MODULATION

Robert M. Sprague, Great Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware

Application December 12, 1941, Serial No. 422,613
9 Claims. (Cl. 179—171.5)

1. An audio frequency oscillation system comprising a pair of grid-controlled vacuum tubes, one of which is arranged to generate oscillations by feed-back action, a feed-back path for said oscillation tube including a reactance connecting the plate of said other tube to the grid of the oscillator tube, a path having a variable effective resistance connecting the plate of the oscillator tube to the grid of the other tube, another path having a variable effective resistance connected between the grid of said other tube and the cathode thereof, and signal-control means to vary the effective resistances of said paths and thereby



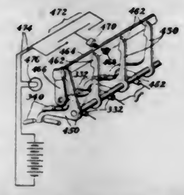
to vary the frequency of said oscillations, the cathodes of both said tubes having a common ground return.

2,423,953

SIGNALING SYSTEM FOR FASTENING-INSERTING MACHINES

Frank E. Stratton, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application August 5, 1943, Serial No. 497,461. Divided and this application June 28, 1944, Serial No. 542,574
3 Claims. (Cl. 177—311)



1. In a fastening-inserting machine, fastening-inserting mechanism, mechanism by which strings of fastening-material are fed for insertion, guide-tubes through which the strings pass to the feeding mechanism, said guide-tubes being in spaced sections, a feeler engaging each string at the space between the tube-sections, the spacing of the tubes being so close as to resist displacement of the strings by the feelers, an electrically operated signal at the inserting mechanism, and a switch in circuit with the signal and controlled by each of the feelers.

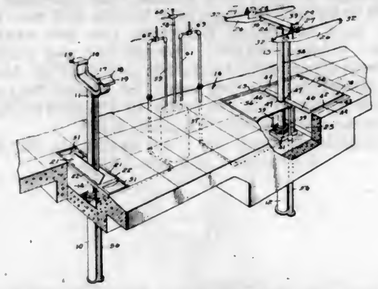
2,423,954

HOIST

Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa

Application November 29, 1944, Serial No. 565,699
5 Claims. (Cl. 254—89)

1. In a vehicle lift including a lift member mounted in a floor pit and movable to a lowered position within said pit below the level of the floor surface, an axle supporting structure carried at the upper end of said lift member comprising a transverse beam member, a pair of oppositely arranged longitudinally extended substantially flat upright plate members fixed on said beam, said floor surface having a transverse opening therein adapted to receive said beam member therethrough, and a pair of longitudinally extended openings open to said transverse opening for receiving said upright members, with said transverse opening and said longitudinal openings being of substantially the same width, and means for covering said transverse opening when said axle supporting structure is lowered within said pit, with said longitudinal openings being of



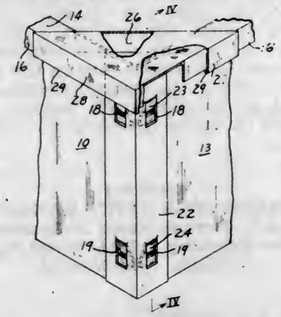
a width conforming substantially to three times the thickness of said upright members and left uncovered at all moved positions of said lift member.

2,423,955

SAND BOX

Ellis Widener, Birmingham, Ala.

Application November 19, 1945, Serial No. 629,394
3 Claims. (Cl. 272—1)



1. A metal sand box comprising sheet metal sides with lower inturned flanges, a metal bottom resting on the lower flanges, structural angles at the corners for holding the sides together, tongues on the structural angles extending through the sides and bent over to join the sides to the angles, and a triangular seat at the corner of the box formed of sheet metal with an inner downturned flange having the ends bearing against the adjacent sides of the box, and an outer downturned flange fitting snugly over the sides of the box.

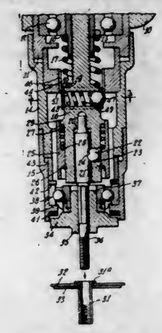
2,423,956

RIVET SETTING TOOL

Lester A. Amtsberg, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1941, Serial No. 424,964
19 Claims. (Cl. 218—19)

2. A rotary tool for upsetting internally threaded tubular rivets, comprising a rotatable driving shaft, a driven shaft having a telescopic connection wtih said driving shaft, the telescoping portions of said shafts being in threaded engagement to permit a relative axial movement of said shafts when one is turned relatively to the other, yieldable means normally preventing relative turning movements of said shafts, and means operated by pressure of the tool against the rivet



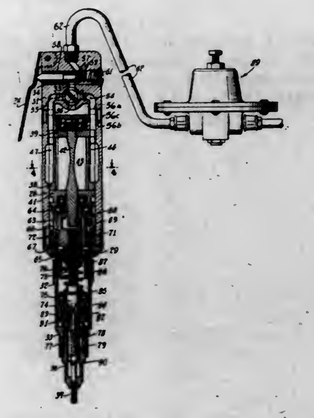
for overcoming said yieldable means to cause such relative turning movement.

2,423,957

DRIVER FOR CLINCH NUTS AND THE LIKE

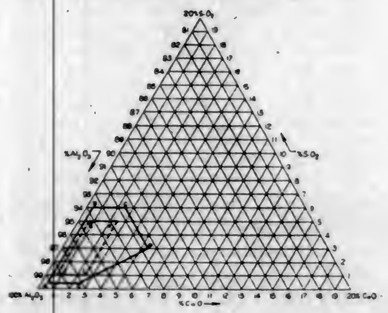
Lester A. Amtsberg, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application September 14, 1942, Serial No. 458,220
14 Claims. (Cl. 218—19)



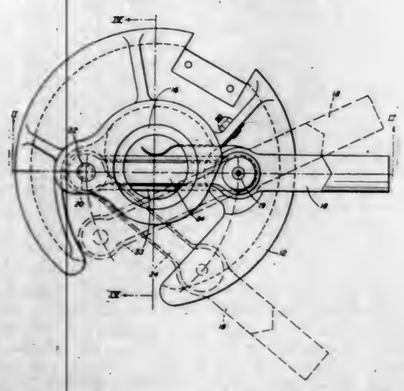
6. A power tool for installing internally threaded flanged clinch nuts comprising a housing adapted to be manually supported, an anvil slidably mounted in said housing and adapted to project beyond the front end thereof, the front end of the anvil having a face adapted to seat against the flange of the clinch nut, a bit surrounded by the anvil and supported therein for relative rotary and axial movements, the front end of the bit projecting beyond the anvil and being threaded for engagement with the internal threads in the clinch nut, power operated means for imparting first rotary and then axial movement of the bit relative to the anvil for installing the clinch nut, and power operated means for imparting axial and rotary movements of the bit relative to the anvil for restoring the parts of the tool to normal condition, said anvil being movable axially relative to the housing in one direction while the clinch nut is being installed and in another direction while the parts are being restored to normal.

2,423,958
CERAMIC BODY
Chester R. Austin, Columbus, Ohio, and Edwin J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware, and Ethyl Corporation, Detroit, Mich., a corporation of Delaware
Application November 16, 1944, Serial No. 563,664
9 Claims. (Cl. 106—63)



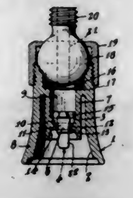
1. A batch for the production of a ceramic body, said batch composed predominately of alumina and containing tri-calcium penta-aluminate and silica.

2,423,959
VARIABLE LEVERAGE CONTROL LINKAGE
Ward W. Beman, Glendale, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application March 18, 1943, Serial No. 479,668
6 Claims. (Cl. 244—90)



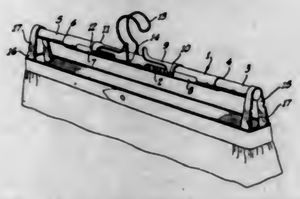
3. A variable leverage airplane control system including an airplane control surface or the like wherein such control surface is remotely actuated by a transmission system actuated from a central point, said leverage system comprising an oscillatable member forming the terminus of said transmission system, a push-pull operating mechanism for operating said control surface, two asymmetrical variable leverage linkages operatively connecting said push-pull mechanism to said oscillatable member, and means interconnecting said linkages so constructed and arranged as to render said linkages selectively operative by opposite movements of said member from its neutral position.

2,423,960
SHOWER HEAD
Ernest H. Bucknell and Ralph Edwin Bletcher, Los Angeles, Calif., assignors of ten per cent to Ralph E. Bletcher, twelve and one-half per cent to Ernest H. Bucknell, twelve and one-half per cent to Mabel Bucknell, ten per cent to Pearl White Bletcher, twenty-five per cent to Marcia Bucknell Liston, ten per cent to James H. Bletcher, ten per cent to Hazel Bletcher Skinner, and ten per cent to Charlotte R. B. Robinson, all of Los Angeles, Calif.
Application October 23, 1944, Serial No. 559,884
7 Claims. (Cl. 299—121)



1. A shower head comprising a body having a directional flow passage formed therein, an unattached dispersion member located in the flow passage and defining with the said flow passage an axial flow throat, a radial dispersion surface formed on the dispersion member beyond the throat and against which surface the water is directed by the said throat, and cooperating stop means formed in the body and on the dispersion member to position the dispersion surface beyond the throat as the dispersion member is urged through the throat by the water flowing through the head.

2,423,961
ADJUSTABLE SKIRT HANGER
Frederick L. Buxton, North Hollywood, Calif.
Application February 4, 1946, Serial No. 645,281
3 Claims. (Cl. 223—94)



1. An adjustable skirt hanger comprising: a tubular, hollow body portion; aligned, longitudinally extending slots adjacent ends of the body portion; a cylindrical, movable element mounted in each end of the body portion and extending therefrom; retaining means carried by each of said elements and cooperatively engaging a slot in the body portion; spring means positioned within the body portion and normally urging the elements outwardly; a downwardly extending holding member carried by the outer end of each movable element, one at least of said holding members being furcated and mounted for limited pivotal movement on the end of the movable element about a vertical axis; a hook carried by the body portion, said hook being pivotally connected to the body portion and including two laterally spaced sections whereby the hook may be pivoted to embrace the body portion between said sections, a portion of the hook extending into the

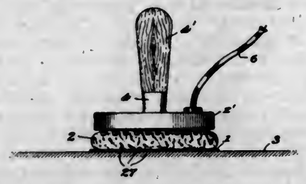
body portion to anchor the spring means therein; and upwardly extending, manually movable release means operably connected to inner ends of the movable elements through said body slots.

2,423,962
LINT REMOVER
Homer T. Clark, Los Angeles, and Carl J. Paterson, Van Nuys, Calif.
Application January 1, 1944, Serial No. 516,720
4 Claims. (Cl. 15—104)



2. A device of the character described comprising: a housing of box-like form adapted to be readily grasped in the hand of a user and having a bottom opening exposed when so held; a depression in each of two opposite sides of the housing in which the tips of the thumb and a finger of the user may be positioned to facilitate operation of the device, a spool; and a roll of adhesive tape wound on said spool with the tacky surface of the tape outward and including relatively yieldable means carried by the housing and the spool member, and operatively supporting the spool so that the inner convolution of the adhesive tape is positioned substantially at the level of the edges of the opening of the housing.

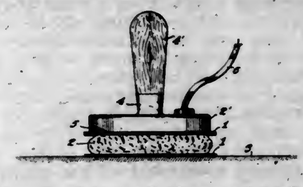
2,423,963
APPARATUS FOR COOKING MEATS AND THE LIKE
Roscoe A. Coffman, Las Vegas, Nev.
Application June 1, 1943, Serial No. 489,303
6 Claims. (Cl. 99—349)



1. A cooking device comprising means for applying cooking heat to one side of food while said food is in direct surface contact with a thin veneer sheet of wood of a break-down nature when subjected to cooking heat passed directly through the sheet during a normal cooking operation, in combination with a heated cooking surface in direct contact with said sheet of wood, said sheet being thin enough and the heat from said heated cooking surface being of such intensity as to permit passage of cooking heat directly through said sheet during a normal cooking operation, and to thereby break down such sheet to such an extent as to generate heated gases of distillation for passage through said sheet directly to the food for further cooking and flavoring said food.

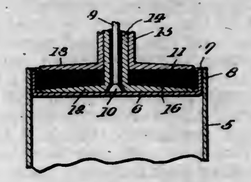
2,423,964
PROCESS OF COOKING MEAT
Roscoe A. Coffman, Fall Brook, Calif.
Application April 25, 1944, Serial No. 532,671
2 Claims. (Cl. 99—107)

1. The process of cooking meat which consists of applying the cooking heat to the meat through a thin veneer sheet of wood, the sheet being thin enough to permit the passage of substantially all



the heat required to cook the meat and the heat being intense enough to generate gases of distillation in the wood so as to flavor the meat.

2,423,965
APPARATUS FOR FORMING END CLOSURES IN PAPER CONTAINERS
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 14, 1944, Serial No. 518,295
1 Claim. (Cl. 93—55.1)

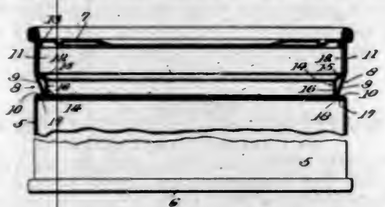


Apparatus for effecting an adhesive union between a paper container body and a cup shaped paper closure inserted in an end thereof and having an outwardly directed skirt with an adhesive applied to the outer surface thereof or on the internal wall portion of the body which it opposes, said apparatus comprising, a deformable disk having an edge portion dimensioned to be freely insertible within the closure skirt when in repose, upper and lower plate members engaging at opposite faces of said disk and effective when moved relatively in a direction for reducing the space therebetween to deform the disk between them and cause it to be extended outwardly and tightly press and temporarily hold the skirt against the body throughout the whole circumference thereof, a tube member carrying one of said plates, a tube member carrying the other of said plates, said tube members being telescopically arranged one within the other, and a suction tube extending through said tubes into position for engaging and holding the closure during insertion thereof into the body end.

2,423,966
COLLAR CAN COLLAR MOUNTING
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 6, 1944, Serial No. 543,674
1 Claim. (Cl. 220—54)

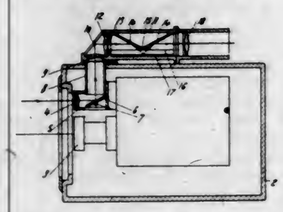
In a sheet metal container a body portion having an upper end extremity, said body portion having an inwardly directed bead spaced downwardly from said upper end extremity and composed of a wall portion flat in vertical cross section and inclined downwardly and inwardly at an acute angle to the vertical and an anchor shoulder wall portion extending outwardly and downwardly in approximate right angular relation to said wall portion, and said body portion between

said pad and said end extremity being scored to provide a tear strip, and a collar snugly fitting within the body and having a main body portion lying opposite and extending above and below the tear strip and terminating upwardly in an inwardly curled bead and downwardly in an inwardly directed bead structure dimensioned to fit within and over the can body bead and composed of an inwardly directed upper flange portion disposed to seat against the inwardly and downwardly inclined body bead wall portion and prevent downward movement of the collar, an up-



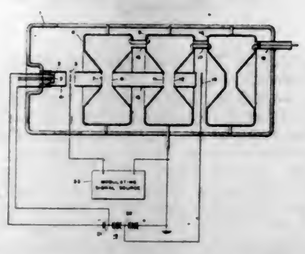
right wall portion spaced inwardly from the collar main body a distance sufficient to provide a space into which the can body bead projects without contacting said upright wall portion, and an outwardly turned abruptly angled lower anchor flange adapted to snap under and lock behind the anchor shoulder portion of the can body bead in contact with the can body as the collar is forced into the can body a distance for causing said anchor flange to ride over and beyond said inwardly and downwardly inclined body bead wall portion.

2,423,967
SIGHTING DEVICE FOR MOVING PICTURE CAMERAS
Maurice Albert Dalotel, Deuil, France, assignor to Suzanne Rosalie Mathot, Paris, France
Application November 15, 1938, Serial No. 240,567
In Germany December 31, 1937
Section 3, Public Law 690, August 8, 1946.
Patent expires December 31, 1957
2 Claims. (Cl. 95—44)



1. In a moving picture camera including a camera objective, with focussing means for the latter, a view finder comprising an object lens rigidly fixed on the front of the camera in the immediate vicinity of the camera objective, a magnifying lens rigidly fixed on one of the outer panels of the camera and providing an enlarged image of the image given by said fixed object lens, an adjustable mirror pivotally mounted inside the camera behind said fixed object lens so as to project substantially at right angles the light received from said fixed object lens, means for automatically tilting said adjustable mirror by the camera objective focussing means for correcting the parallax error, a second mirror rigidly fixed outside the camera for projecting on said fixed magnifying lens the light received from said adjustable mirror, a frame having the same dimensions as the film frame and arranged behind said fixed mirror, a collecting lens arranged close to said frame, and an image erecting device arranged between said collecting lens and said magnifying lens and consisting of two mirrors having a V-shaped cross-section, the edges of which are arranged at right angles.

2,423,968
HIGH-FREQUENCY APPARATUS
Alfred E. Falk, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application August 26, 1944, Serial No. 551,308
3 Claims. (Cl. 179—171.5)

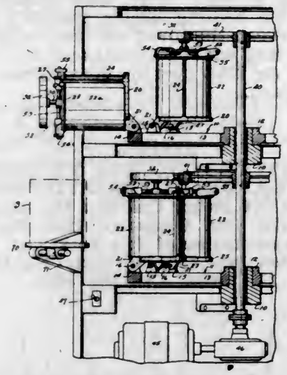


1. In a modulating system, means for generating an electron beam, a source of intelligence signals, means in the path of said beam and controlled by said intelligence signal source for varying the intensity of said beam in accordance with said intelligence signals, said intensity varying means having as an inherent characteristic of its intensity varying capability the propensity of effecting a slight velocity variation of said beam in accordance with said intelligence signals, means including a resonant chamber for effecting a velocity modulation of said beam, means including an electron drift tube for effecting a charge density modulation of said velocity modulated beam, means including a resonant chamber for extracting energy from said charge density modulated beam, an auxiliary resonant chamber, all of said chambers being resonant at a predetermined radio frequency, means for exciting said velocity modulating resonant chamber at said radio frequency, means controlled by said extracted energy for exciting said auxiliary chamber substantially only at said radio frequency, and means coupled to said auxiliary resonant chamber for deriving energy therefrom at said radio frequency and modulated in amplitude only in accordance with said intelligence signals.

2,423,969
DISPENSING APPARATUS
Harold H. Foltz, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1944, Serial No. 564,497
2 Claims. (Cl. 259—58)

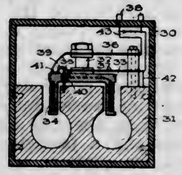
1. In a paint mixing and dispensing apparatus, the combination comprising: a frame; a vertical shaft rotatably supported by said frame and means controllably rotating said shaft; a block surrounding said shaft and having an upwardly facing horizontally disposed bearing surface, said block being rotatable with respect to said shaft and non-rotatably held with respect to said frame; a table perpendicular to and concentric with said shaft and freely rotatable with respect thereto supported by the bearing surface of said

block; a plurality of containers pivotally supported on said table along a circle thereon concentric with said shaft and each movable on such pivotal support in a plane substantially perpendicular to said table and parallel with the radius of said table extending through substantially the center of such container, such pivotal supports being placed radially outward with respect to said table of the center of gravity of said containers when said containers are in a substantially upright position; agitating means within each container; a driven wheel above each container and operably associated with said agitating means; a driving wheel affixed to said shaft for rotation therewith and spaced from said table, said wheel being of diameter sufficiently smaller than that of said circle that its periph-



ery will contact the periphery of each of said driven wheels when said containers are in substantially upright position; means for selectively holding said table against rotation; whereby said containers may by gravity hold their respective driven wheels sufficiently against said driving wheel to effect an easily disconnected driving engagement therebetween, and whereby when said table is held against rotation, rotation of said driving wheel will actuate the agitating means of those containers whose driven wheels are in contact with said driving wheel and when said table is permitted to rotate the viscosity of paint within said containers will hold said driven wheels sufficiently against rotation that the operation of said driving wheel thereagainst will cause rotation of the entire table.

2,423,970
GEOPHONE POLARITY INDICATOR
Louis W. Gardner, Pittsburgh, Pa., assignor to Gulf Research Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 11, 1945, Serial No. 598,692
7 Claims. (Cl. 177—352)



6. In an electromechanical recording system comprising a reversible electromechanical transducer and its recording channel, said transducer having an elastically suspended movable system capable of being set into motion by an externally applied electric current, testing apparatus therefor comprising an electrical contact in the transducer circuit normally not touching the moving system thereof, a cooperating electrical contact, said contacts being disposed so that electrically induced movement of said moving system in only one sense will disturb their circuit, means for applying a unidirectional electric current to the channel to which said transducer is connected, and means for indicating disturbances of said contact circuit.

7. An electrical circuit comprising a polarized electromechanical transducer having an inaccessible movable element and electrical connections for carrying its output to an accessible point, said movable element being capable of being set into motion by application of electric current to said connections, means for applying direct current of known polarity to said connections whereby said movable element is deflected in a sense dependent on polarity, contact means associated with the movable element to alter the circuit distinctively upon deflection in a predetermined sense, and indicating means at said accessible point responsive to such alteration of the circuit.

2,423,971
VITREOUS GLAZES AND ENAMELS
Lewis D. Gittings, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 8, 1944, Serial No. 530,185
4 Claims. (Cl. 106—49)

4. A white opaque glaze having a composition within the range expressed by the following Seger formula:

$$\left.\begin{matrix}0.40\text{ mole of PbO}\\0.25\text{ mole of CaO}\\0.20\text{ mole of }K_2O\\0.15\text{ mole of ZnO}\end{matrix}\right\}0.33\text{–}0.40\text{ mole of }Al_2O_3\left\{\begin{matrix}1.75\text{ moles of }SiO_2\\0.25\text{–}0.45\text{ mole of }P_2O_5\end{matrix}\right.$$

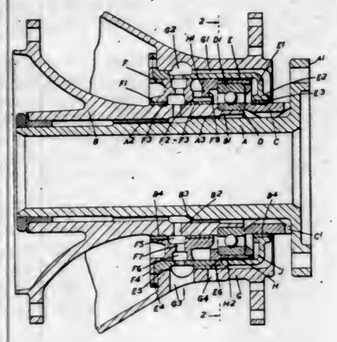
2,423,972
OLEYL ESTERS OF SULPHOBENZOIC ACIDS
Earl W. Gluesenkamp, Centerville, and Milton Kosmin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 3, 1944, Serial No. 520,952
2 Claims. (Cl. 260—470)

1. The oleyl ester of sulfobenzoic acid, in which the oleyl group is attached to the carboxy group.

2,423,973
SHAFT BEARING
Frank Bernard Halford, Edgware, England, assignor to The De Havilland Aircraft Company Limited, Edgware, England, a company of Great Britain
Application August 31, 1943, Serial No. 500,698
In Great Britain September 9, 1942
8 Claims. (Cl. 308—35)

1. A bearing for a power transmission shaft comprising in combination a shaft with means for connecting it at one end to a source of power and at the other end to a member to be driven by that source of power, an anti-friction bearing with its inner race mounted on the transmission shaft, a fixed casing enclosing the bearing, a non-rotating sleeve connected to the casing, a tubular member which lies within the said non-rotating

sleeve by which it is supported, this tubular member carrying within it the outer race of the anti-friction bearing, a part at one end of the said non-rotating sleeve which lies at one side of the anti-friction bearing and closes the end of the sleeve having means provided with a bearing surface surrounding a surface rotatable with the transmission shaft thereby constituting a safety bearing, an annular housing which lies within the



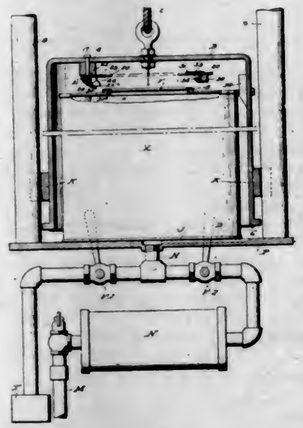
said non-rotating sleeve at the opposite side of the anti-friction bearing and is connected to the fixed casing, this housing being provided with at least one part which closes the end of the sleeve and has means provided with a bearing surface surrounding a second surface rotatable with the transmission shaft thereby constituting a second safety bearing, and means connecting the said housing and the said tubular member which means prevents rotation of that tubular member while permitting it and the bearing race within it to slide in the axial direction.

2,423,974
CONVECTION HEATING APPARATUS
Clyde M. Hamblin, Washington, D. C., assignor of one-fifth to Eva F. Hamblin, one-fifth to Helen Lois Hamblin, and one-fifth to Barbara Hamblin, all of District of Columbia
Application January 21, 1943, Serial No. 473,052
2 Claims. (Cl. 98—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a natural convector, a cabinet enclosing heating means near the bottom thereof for causing a natural convection current of heated air through the cabinet, an air inlet opening in the lower part of said cabinet upstream of said heating means, an air outlet opening in the upper part of said cabinet downstream of said heating means, an air inlet opening in said cabinet downstream of said heating means and between said air outlet opening and said heating means, an adjustable damper for said opening having an edge pivotally mounted to the cabinet adjacent the upstream edge of said last-named air inlet opening and adapted to swing inwardly in said cabinet to restrict the air passage downstream of said heating means thereby increasing the velocity of the natural convection current of heated air in said passage to induce an airflow inwardly through said last-named air inlet opening and to adjustably control the heat output and outlet air temperature of the convector over a wide range, said cabinet being closed in the heating means enclosing portion thereof between the lower air inlet opening upstream of said heating means and said second-mentioned air inlet opening downstream of said heating means.

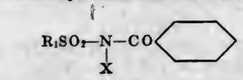
2,423,975
BELL TYPE GASSING AND VACUUMIZING APPARATUS FOR DEHYDRATED PRODUCTS
Herbert Robert Helm, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 15, 1944, Serial No. 540,526
11 Claims. (Cl. 226—82)



11. An apparatus of the class described for a container having a mouth with a loose cover thereover, a container support, a bell, means for guidedly raising and lowering the bell relative to said support and the container thereon so that in the lowered position the bell is effective for shutting off the interior of the container from the atmosphere, a cover lifting dog having a nose and pivotally suspended from said bell and normally located out of the path of relative movement of the container cover during one portion of the said lowering movement of the bell, and means effective when the dog attains during its downward movement a predetermined distance from the container support to move said dog inwardly until its nose is engaged beneath the cover and then to effect further movement of the dog so that its nose is raised and lifts the cover from the container.

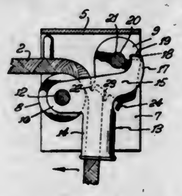
2,423,976
N'-BENZOYL SULFONAMIDE
Martin Everett Hultquist and Elmore Hathaway Northey, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application March 2, 1939, Serial No. 259,382. Divided and this application May 5, 1942, Serial No. 441,864
3 Claims. (Cl. 260—397.7)

1. A N'-benzoylsulfonamide having the formula:



in which R_1 is a member of the group consisting of p-amino and p-acylamino substituted phenylene and X is a member of the group consisting of hydrogen and a metallic ion.

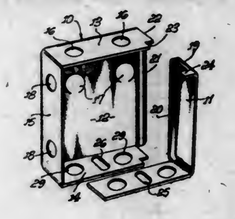
2,423,977
CORD LOCK FOR VENETIAN BLINDS
Joseph L. Hunter, Riverside, Calif., assignor to Hunter Engineering Co., Riverside, Calif., a corporation of California
Application March 24, 1945, Serial No. 584,655
1 Claim. (Cl. 24—134)



A cord lock for Venetian blinds comprising a rotatable cord guiding roller, a horizontal shaft on which said guiding roller is rotatable, a pivot pin disposed in parallel relation to said shaft and outside the periphery of said guiding roller, a clamping dog pivotally mounted on said pivot pin, said clamping dog having a cord engaging portion which is movable toward and from the periphery of said guiding roller during pivotal movement of said dog to respectively clamp and release a cord disposed on the periphery of said guiding roller, a plate having one of its ends mounted on said shaft for pivotal movement thereon independently of rotation of said guiding roller and having its opposite end in interlocking engagement with a portion of said clamping dog lying beyond said pivot pin, a cord guide tube depending from said plate intermediate the ends thereof in position for passage therethrough of a downwardly extending portion of a cord trained over said guiding roller, whereby angular movement of the downwardly extending portion of the cord will cause pivotal movement of said plate about said shaft with consequent pivotal movement of said clamping dog about said pivot pin.

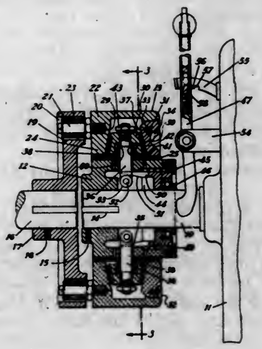
2,423,978
HEAD RAIL AND MOUNTING BRACKET FOR VENETIAN BLINDS
Joseph L. Hunter, Riverside, Calif., assignor to Hunter Engineering Co., Riverside, Calif., a corporation of California
Application March 24, 1945, Serial No. 584,656
7 Claims. (Cl. 160—178)

1. In a head rail and mounting bracket assembly for Venetian blinds, a bracket member for each end of a head rail comprising a box-like structure for receiving and enclosing the end of the head rail, and at least one of said bracket



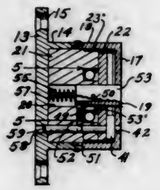
members having a removable closure forming one of its side walls to facilitate the insertion of the end of the head rail after the bracket members have been secured to the window casing.

2,423,979
RELEASABLE COUPLING
Arthur H. Jenson, Evanston, Ill., assignor to Amalgamated Engineering & Research Corporation, Chicago, Ill., a corporation of Illinois
Application December 11, 1944, Serial No. 567,725
6 Claims. (Cl. 192—105)



1. In combination, in a torque transmission of the type described, coaxial rotatable driving and driven members, the driving member carrying a plurality of radially shiftable weights and the driven member having means centrifugally and frictionally engageable by said weights when the driving element is rotated to couple the members for rotation as a unit, means for floatingly mounting said weights for said radial shifting movement comprising radial guide elements to which said weights are connected, carried by the driving member for angular movement therewith and radially shiftable relative thereto, control means shiftable axially of said members and controlled exteriorly thereof having operative engagement with said guide elements to retract said weights radially inwardly in opposition to the centrifugal force thereof, without interrupting rotation of said driving member, and thereby de-couple the members, and means movable with said weights and guide elements and engageable with said driving member upon retraction of the weights for limiting the inward movement of the weights by said control means.

2,423,980
LATCHING DEVICE
John W. K. Jurrat, Glendale, Calif.
Application May 22, 1945, Serial No. 595,176
8 Claims. (Cl. 292—37)

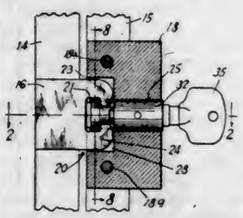


1. In a latching device having a protective casing with means extending therefrom for connection to the thing to be latched, a base block with a bore therethrough in the casing having one face thereof provided with a pair of grooves, a spring in each groove, a base plate coincident with the block surface having the grooves and superimposed thereon, a plurality of slots in the plate having coincidence with the grooves of the block, a pair of plate-like jaws coincident with the base plate and having fingers extending therefrom and extending through the slots and engaging said springs in a manner that the springs urge the jaws together, a central opening spot between the jaws presenting lips adapted to enter the bore of the block and make contact with a stud to latch it.

2,423,981
POLYVINYL ACETAL RESIN COMPOSITION
David S. Kaltreider, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 14, 1943, Serial No. 490,773
8 Claims. (Cl. 260—36)

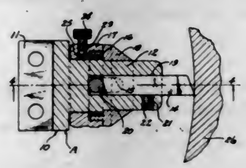
1. A composition comprising a polyvinyl acetal resin, a plasticizer therefor, and from 1 to 15 parts of an organic amide per 100 parts of resin, said amide having the formula R—CO—NHR' wherein R is an alkyl group having less than 4 carbon atoms and R' is an alkyl group having more than 13 carbon atoms, but less than 19 carbon atoms.

2,423,982
LOCK
Joseph Kaufman, New York, N. Y.
Application September 29, 1944, Serial No. 556,393
5 Claims. (Cl. 70—97)



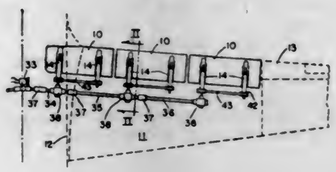
1. A lock comprising a housing formed with a bore, a key cylinder within said bore, said housing being formed with a slot communicating with the bore, a bolt rotatably mounted within said bore, means on the housing to retain the bolt within said housing, said bolt being formed with a reduced stem, and an enlarged flange on said stem, said flange being formed with a pair of opposite notches, a keeper formed with a T-shaped slot providing a pair of symmetrically disposed, hooked tongues insertable into the slot in the housing when the slots in the flange register therewith, and means on the key cylinder to rotate said bolt to disalign the slots in the bolt relative to said tongues.

2,423,983
ADJUSTABLE TOOLHOLDER
John Kis, Racine, Wis.
Application August 30, 1944, Serial No. 551,889
2 Claims. (Cl. 29—105)



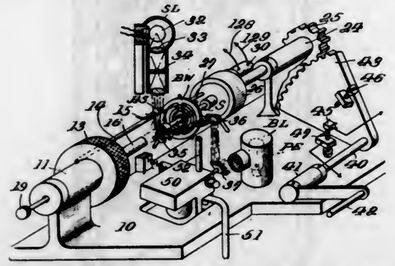
1. A tool holder and tool assembly, comprising a socket member, the walls of the same on opposite sides of the inner end of the socket being formed with slots, a tool having its shank longitudinally adjustably, and quickly removably mounted in the socket member, an adjusting nut threadably mounted on the socket member and having an internal recess, said nut having a forward, beveled extension bearing a calibrated scale, a bar of greater length than the diameter of the socket member extended transversely through the socket member socket and slots and having its opposite ends lodged in said nut recess, an intermediate portion of the bar having a line contact with the inner end of the tool to apply even advancing pressure against the tool when the nut is turned outwardly, and set screw means for releasably clamping the nut and tool in selected positions relative to the socket member.

2,423,984
WING FLAP EXTENDING MECHANISM
Felix W. A. Knoll, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application July 12, 1943, Serial No. 494,409
12 Claims. (Cl. 244—42)



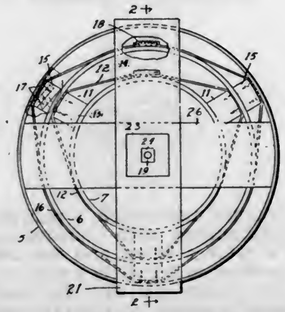
9. In an airplane, a main wing divided into a series of panels having pockets therein to accommodate flaps, a series of extendible wing flaps normally nesting in said pockets, flap carriages rearwardly and downwardly guided internally of said wings, at least two carriages being provided for each flap, a common drive for one carriage for each flap, and means for driving the remaining carriages for each flap from the carriage driven by said common drive.

2,423,985
MOTION CONTROLLING DEVICE
Walter Kohlhagen, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application May 23, 1944, Serial No. 536,928
7 Claims. (Cl. 250—41.5)



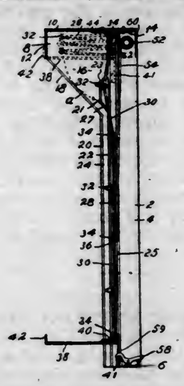
1. An apparatus for maintaining an oscillatory device in motion of essentially constant amplitude and at its natural frequency, comprising means for delivering energy to the device, means for scanning the device itself in its motion and thereby determining the prevailing amplitude of the movement and the phase relationship of points occupied during the oscillations, and means responsive to said scanning means and effective for controlling said delivering means whereby to procure the delivery of an energy impulse to the device each time the device attains a selected phase relationship in the natural period of the device and only at said phase relationship and whereby to control the energy of each impulse so that the same is greater than the energy loss of said device between successive impulses when the amplitude is below a predetermined value and lesser than said loss when the amplitude is above said value.

2,423,986
NESTING PIPE
Franklin C. Lathrope, Blue Island, Ill., assignor to Naylor Pipe Company, Chicago, Ill., a corporation of Illinois
Application February 6, 1946, Serial No. 645,732
5 Claims. (Cl. 206—65)



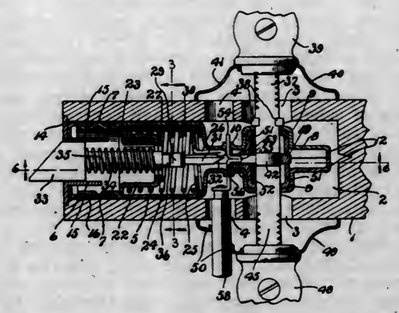
1. Means for nesting smaller sizes of pipe within larger sizes of pipe for shipping and the like comprising a plurality of spacing units spaced apart lengthwise of the pipes and interposed between the different sizes of nested pipe, each spacing unit comprising blocks spaced circumferentially about the smaller size pipe, and tying means secured to the blocks and extending around the blocks and smaller size pipe to hold the blocks in spaced relation.

2,423,987
FRAME AND CLOSURE THEREFOR
Simon Levikow, Kansas City, Mo.
Application September 17, 1945, Serial No. 616,820
3 Claims. (Cl. 160—35)



1. A device of the character described comprising an open rectangular frame, a foldable closure for said frame comprising a plurality of superposed sections successively hingedly joined to each other, said closure being adapted to be folded to open the frame and extended to close the frame, means operably connecting one end of said closure to the frame, guides on the frame for each alternate section joint, guides on the frame for the other section joints, and deflecting means on the frame fixed to certain of said guides for successively adjusting the sections to an oblique position to insure folding thereof against each other as the closure is moved to open position.

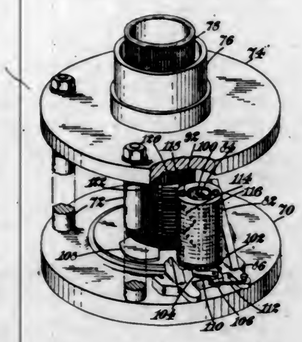
2,423,988
LOCKING LATCH
Albert F. Lickteig, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application August 16, 1944, Serial No. 549,644
11 Claims. (Cl. 292—169)



1. A latch construction comprising a housing having an outer portion of substantially cylindrical form and open at its outer end and an inner portion of substantially rectangular form, said inner portion at each side thereof having an outwardly pressed cup-shaped section, a transverse operating bar extending through each of said cup-shaped sections, said bars meeting within the housing, means connecting the bars within the housing to hold them against longitudinal separation and permit rotative movement of

either relative to the other, a cup member located within each of said cup-like housing projections and provided with an arcuate flange having shoulders thereon, one of said flanges having a recess therein, a bolt actuating member located between said flanges of the cup members having pins extending from its sides back of said shoulders on the flanges, said cup members being operatively connected one with each of said bars to be turned thereby, the turning of which engages said pins and retracts the actuating member, spring means normally moving said actuating member in an outward direction, a spring actuated latch bolt normally extending at its outer end beyond the end of the housing, said latch bolt being independently movable inward by pressure against its outer end portion and being retracted and drawn inwardly by inward movement of said actuating member, as specified.

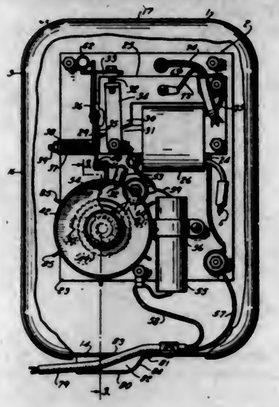
2,423,989
CIRCULAR KNITTING MACHINE
Charles Frederick Manger, George Alfred Buswell, and Roland Peberdy, Leicester, England, assignors to The Bentley Engineering Company Limited, Leicester, England, a British company
Application March 19, 1945, Serial No. 583,560
In Great Britain March 14, 1944
4 Claims. (Cl. 66—50)



1. In a circular knitting machine, a needle cylinder having tricks therein, needles located in said tricks, cam means to effect the knitting motion of said needles, a series of jacks associated with said needles to vary their operative relation with said cam means, a jack-operating cam, a series of selector elements each corresponding to one of said jacks to vary the operative relation of said jack with said jack-operating cam, patterning means to actuate selectively said selectors, and heel-knitting control means to select the needles into three groups for heel-knitting operations, to direct some of said needles into a low non-knitting track, some of said needles to a high non-knitting track and other needles to the normal knitting track, said heel-knitting control means including elements acting through the selectors.

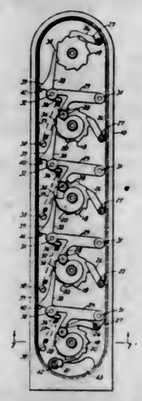
2,423,990
ELECTRIC FENCE CONTROLLER
Kenneth W. McCrory, Kansas City, Mo.
Application April 22, 1943, Serial No. 484,084
4 Claims. (Cl. 172—126)

1. In an electric fence controller of the character described, an electrical apparatus including switches, a sealed housing enclosing said electrical apparatus having openings for passage of air and the electrical connections to the electrical apparatus, said openings being shielded against direct entry of rain, an oscillatory momentum



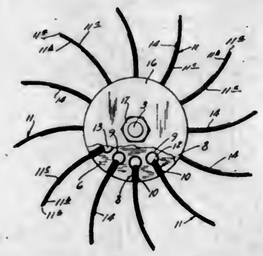
device in the housing actuated by the electrical apparatus, and outwardly projecting blades on the oscillatory device for circulating air in the housing and reducing condensation therein.

2,423,991
TRANSFER MECHANISM FOR A COUNTER
Harold J. Mumma, Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 28, 1945, Serial No. 590,886
3 Claims. (Cl. 235—134)



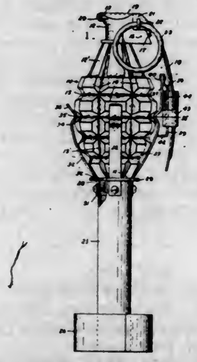
1. In a counter mechanism, a pair of adjacent numeral mechanisms, each numeral mechanism including a ratchet wheel and the lower order numeral mechanism including a snail cam, a cam follower arm engageable with the snail cam, a pawl pivotally mounted on the arm, an actuator tooth adjacent one end of said pawl engaging the ratchet wheel of said higher order numeral wheel, the other end of said pawl extending beyond the pivotal axis therefor, a spring connected to said other pawl end to urge said actuator tooth against the associated ratchet wheel and to urge the arm against the snail cam, an ear on said pawl, and a stop for engaging said ear to move said actuator tooth toward the associated ratchet wheel in the retracted position of said arm and said pawl.

2,423,992
ROTARY BUFFING TOOL
Elmer E. Nordgren and Roy W. Hagenstad, Minneapolis, Minn.
Application April 3, 1946, Serial No. 659,235
4 Claims. (Cl. 51—190)



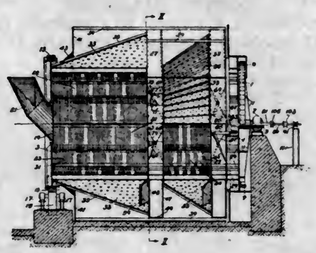
1. In a device of the class described, a rotatable head of generally cylindrical form, a plurality of circumferentially spaced channels in said head extending parallel with the axis and opening through one end thereof, said channels including restricted radial portions opening through the cylindrical wall of the head and enlarged base portions, elongated anchoring bars removably disposed in the enlarged portions of the channels and being of greater width than that of the restricted portions of the channels, whereby confining the anchoring bars to movement lengthwise of the head for removal or replacement through the open ends of the channels at said one end of the head, wiper elements secured to said anchoring bars and projecting radially outwardly of said head through the restricted portions of the channels, and a plate removably secured to said head in overlapping relation to the open ends of the channels for retaining the anchoring bars in the channels.

2,423,993
GRENADE ADAPTER
Carl Panter and Joseph H. Borden, Philadelphia, Pa., and Paul L. Christensen and Walker W. Holler, Washington, D. C.
Application February 8, 1945, Serial No. 576,830
12 Claims. (Cl. 102—65.2)



4. An adapter for launching a hand grenade having a restrainable safety lever extending therebeside normally tending to move to operating position, comprising a cup-like grenade-receiving device having a tail tube and fins and spring grasping devices to engage and retain a grenade, and a safety lever holding means movable on one of said spring grasping devices and responsive to setback to release the lever.

2,423,994
APPARATUS FOR TREATING GARBAGE AND THE LIKE WASTE MATERIALS
Kai Petersen, Soborg, near Copenhagen, Denmark
Application December 27, 1939, Serial No. 311,189
In Great Britain January 19, 1939
15 Claims. (Cl. 83—9)



1. In an apparatus of the ball mill type for grinding garbage and the like waste materials, a rotary grinding chamber, a coarse screen forming the circumferential walls of the said chamber and acting as the grinding surface of the chamber, the said screen having a plurality of openings of such a size as will prevent the coarse, difficultly grindable and non-grindable components of the garbage from leaving the grinding chamber and in addition thereto having a considerably smaller number of large apertures arranged within the field of and being larger than the first mentioned openings of the screen, said apertures allowing the coarse, difficultly grindable and non-grindable components to leave the grinding chamber when they by chance meet with the said apertures and a fine screen for screening the material passing through the coarse screen, said fine screen having a mesh determining the fineness of the sufficiently ground material.

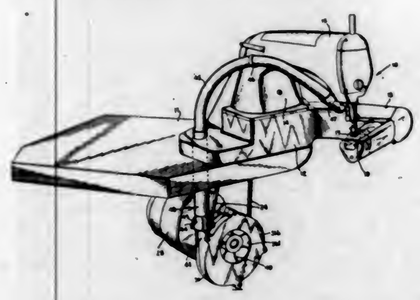
2,423,995
PNEUMATIC TIRE
Julian L. Reynolds, Richmond, Va.
Application January 6, 1944, Serial No. 517,236
8 Claims. (Cl. 152—359)



2. In a pneumatic tire having a continuous rubber body and bead portions and provided with flexible reinforcing cords extending substantially helically through said body portion between said bead portions, the combination with a plurality of

thin, flexible metallic filaments distributed within said rubber body portion and also extending continuously and substantially helically through said body portion from one bead portion to the other so as to increase the heat conductivity of said tire, said filaments consisting essentially of aluminum and being in the form of metallic ribbons having a thickness which is small relative to the width thereof, said filaments being wrapped about individual cords of said flexible reinforcing cords.

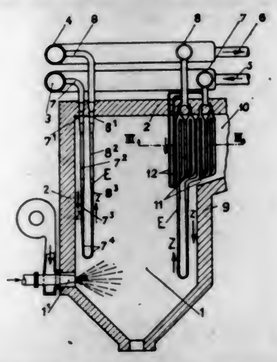
2,423,996
SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1942, Serial No. 433,740
2 Claims. (Cl. 112—218)



1. In a sewing machine a work supporting surface, complementary stitch forming means including a reciprocable needle arranged to operate on work supported on said surface, means for actuating said stitch forming means, an electromotor transmitter unit for driving said actuating means, said unit comprising a driving motor and a driven shaft, means connected directly with said unit for producing a continuous current of air, said last mentioned means comprising a rotary blower having a rotor fixed to said driven shaft, means for shifting said driven shaft bodily incident to its connection and disconnection with the driving motor, a blower housing cooperatively associated with said rotor, said housing being mounted on said transmitter unit and having sufficient clearance with respect to said rotor to permit bodily shifting thereof with said shaft, and a conduit for delivering said current of air to the zone through which said needle operates.

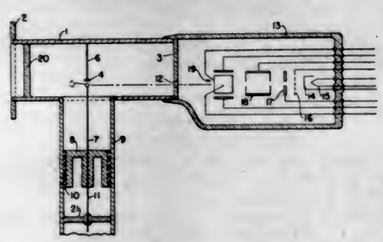
2,423,997
RAMIFIED TUBULAR GAS HEATER
Rudolf Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application February 26, 1945, Serial No. 579,847
In Germany March 22, 1944
4 Claims. (Cl. 126—109)

1. A gas heater comprising in combination, means forming a combustion chamber; tubular elements arranged in said combustion chamber and overlying the side walls thereof; at least one distributor and at least one collector for the gas to be heated, each of said tubular elements consisting, considered in the direction of flow of the gas to be heated, of a first section connected to said distributor and ramifying by stages in an increasing number of branches which become by stages increasingly smaller in diameter, and of a second section constituting a direct continuation of said first mentioned section and having a plu-



rality of branches decreasing in number by stages and which become by stages increasingly larger in diameter, said second section of the tubular elements being connected to said collector.

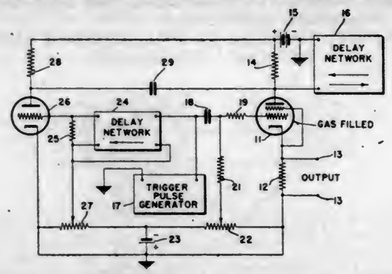
2,423,998
ELECTRON DISCHARGE DEVICE
Joseph D. Schantz, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application April 30, 1943, Serial No. 485,172
7 Claims. (Cl. 250—174)



1. An electron discharge device comprising, a dielectric wave guide having a portion pervious to spacially projectable energy, an anode and a cathode disposed within said guide, said cathode being capable of electron emission by impingement thereof by spatially projected energy, a source external of said guide of spatially projectable energy, and means including directive apparatus located external of said guide for projecting energy derived from said source through said pervious wave guide portion for impingement upon said cathode.

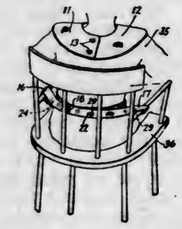
2,423,999
IMPULSE GENERATOR
Joseph D. Schantz, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application October 18, 1943, Serial No. 506,673
15 Claims. (Cl. 315—207)

3. An impulse generator comprising, a gaseous discharge tube, means including a positive impulse source to initiate a discharge in said tube, means controlled by said tube discharge for developing a first negative voltage, means for reversing the polarity of a positive impulse derived from said source to develop a second negative voltage, and means including a delay network



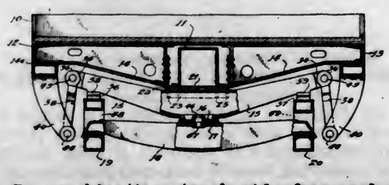
for impressing substantially simultaneously said negative voltages upon said tube after the lapse of a predetermined time in a manner to effect deionization of said tube.

2,424,000
PROTECTING AND RESTRAINING GARMENT
Meyer W. Shanker, New York, N. Y.
Application May 12, 1944, Serial No. 535,272
1 Claim. (Cl. 2—52)



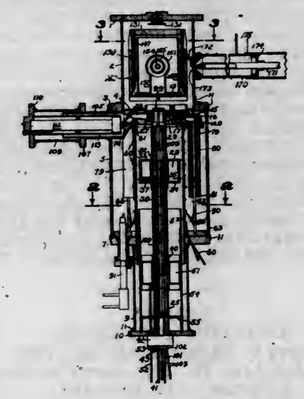
A child's protecting and restraining bib garment comprising a front bib-like portion, a first back tie and a second back tie attached to said front portion, said ties being positioned to pass around the waist of the child, an opening in said first back tie through which said second back tie may be passed, a first set of engageable fastening elements on said back ties adapted to secure said back ties together in a predetermined position after said second back tie has been passed through the opening in said first back tie, a second set of engageable fastening elements disposed at the free ends of said ties, said second set of engageable fastening elements being adapted to secure said ties to retaining elements.

2,424,001
RAILWAY CAR TRUCK
Jay R. Sheesley, Chicago, Ill.
Application October 30, 1943, Serial No. 508,313
3 Claims. (Cl. 105—201)



2. In combination, truck side frames having means for mounting on car wheel axles, said side frames having means to mount a truck bolster, a truck bolster mounted thereon and having a center bearing, a second bolster having a center bearing on the first bearing and having means thereon for movably supporting a car body in spaced relation thereto above the second bolster, each side frame having a window therein, the lower wall of the window forming a saddle bearing portion having opposed upwardly facing, sloping, bearing surfaces, and the truck bolster having its ends formed to provide opposed, sloping, downwardly facing, bearing portions adapted to fit over the upwardly facing bearing portions of the side frames, side bearings on the tops of the side frames over said windows, and bearing members on the second bolster for riding on said side bearings.

2,424,002
HIGH-FREQUENCY ELECTRONIC TUBE
David H. Sloan, Berkeley, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application November 4, 1940, Serial No. 364,284
21 Claims. (Cl. 250—27.5)

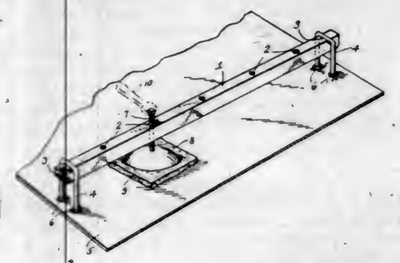


1. An electron discharge device comprising an anode, a control electrode comprising a pair of spaced substantially parallel cylindrical surfaces whose axes are substantially parallel to said anode, and a cathode mounted between said surfaces, and having an emitting surface facing said anode positioned between the plane substantially joining the axes of said cylindrical surfaces and the parallel plane substantially tangent to both of said surfaces at points away from said anode.

2,424,003
METHOD FOR THE PRODUCTION OF RIBOFLAVIN BY CANDIDA FLARERI
Fred W. Tanner, Jr., and James M. Van Lanen, Peoria, Ill., assignors to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application December 8, 1944, Serial No. 567,298
9 Claims. (Cl. 195—92)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

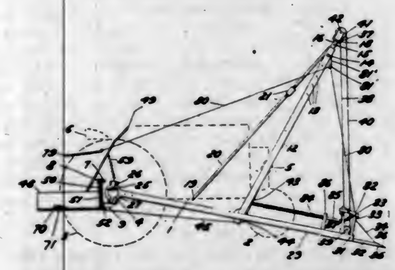
1. The method of producing high yields of riboflavin comprising cultivating under aerobic conditions *Candida flareri* in a growth medium containing a fermentable sugar, biotin, assimilable nitrogen, sulphur, phosphorus, and magnesium, and about 0.3 to 1.3 micrograms of iron per 100 cc. of the medium.

2,424,004
SOUND DEADENER
Oliver Clark Terrell, Portland, Oreg.; Gladys M. Kern, administratrix of said Oliver C. Terrell, deceased
Application September 9, 1943, Serial No. 501,706
3 Claims. (Cl. 181—33)



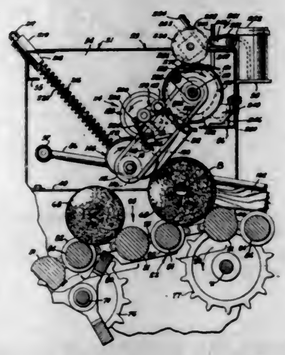
1. The combination with a sheet metal structural member, of a means temporarily applied to said structural member to deaden sound by minimizing vibration of said member while the latter is subjected to vibration-causing operations in the assembly of the same to other structural members, said means including a resilient pad applied to the structural member, a substantially plano convex pressure plate mounted on the pad, substantially U-shaped yokes attached to the same face of the structural member at spaced points, a bar having its ends engaged in the yokes, and means co-operable with the bar and engageable with the pressure plate for forcing the latter toward the structural member for compressing the pad between the latter and the pressure plate.

2,424,005
TRACTOR ACCESSORY
Robert F. Varner, Hicksville, Ohio
Application June 25, 1945, Serial No. 601,446
3 Claims. (Cl. 214—140)



1. A power tool adapted to be mounted on a prime mover provided with a rear axle, said tool comprising an adjustable length frame rigidly connectable to and inclined upwardly and forwardly from the prime mover, tool handle directing and thrusting arms extending rearwardly outside the frame and embracing the rear axle in providing coaxially therewith pivotal mounting at the prime mover opposite sides, said prime mover having a rear power take-off, and controllable hoist connections adapted to be connected to the take-off and extend under the prime mover to the upper forward frame portion and from thence to the forward portions of the thrusting arms directly down therefrom.

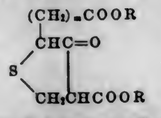
2,424,006
FRUIT MARKING MACHINE
Ernest A. Verrinder, Redlands, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 15, 1941, Serial No. 422,970
9 Claims. (Cl. 101—35)



1. In a printing machine the combination of: a travelling conveyor having valleys in which articles are adapted to be conveyed; a sector-like printing rotor carrying type and rotatably mounted on a horizontal axis to extend downwardly into the path of articles carried on said conveyor and being adapted to engage one of said articles with a non-concentric portion of said rotor and to yield upwardly in response to said engagement and in rolling contact with said article; and means for rotating said rotor continuously in timed relation with the movement of said conveyor so as to print said type on an article in each valley passing therebeneath and to make one revolution with each such printing.

2,424,007
2-ω-CARBALKOXY ALKYL-3-OXO-4-CARBALKOXY TETRAHYDROTHIOPHENE
Marjorie B. Moore and Edmond E. Moore, Waukegan, Ill., assignors to Abbott Laboratories, a corporation of Illinois
No Drawing. Application October 22, 1943, Serial No. 507,292
5 Claims. (Cl. 260—329)

1. A product represented by the following formula:

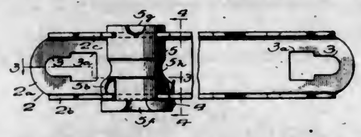


where R represents a lower alkyl group and m represents a small whole number not exceeding 10.

2,424,008
CABLE RACK
Albert J. Wayman, Youngstown, Ohio
Application October 6, 1942, Serial No. 461,006
6 Claims. (Cl. 174—155)

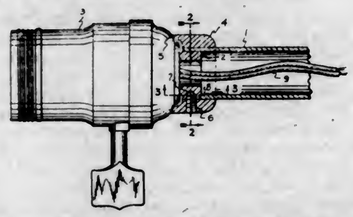
1. An insulator support having a round hole formed therein with a slot leading from the hole to the outside of the support, a split insulator sleeve supported in said hole and comprising two identically shaped semi-cylindrical parts having abutting faces arranged on a dividing plane which is symmetrical with respect to any radial plane

passing through the center of said sleeve, each half-part having formed thereon spaced radial flanges positioned to engage opposite sides of said support and one of said flanges having a width less than the width of said slot, and stop means carried by said support and positioned to engage a shoulder on one of said half-parts to prevent



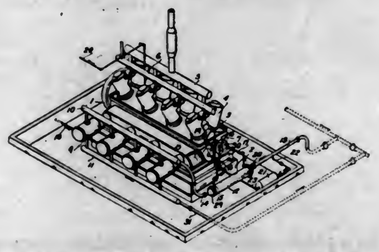
rotation of said insulator in said hole, each of said half-parts having shoulders for cooperating with said stop means to hold said insulator in a position where the narrow radial flanges on both of said half-parts are out of registry with said slot, and said stop means being retractible from engagement with said shoulder to permit rotation of said half parts.

2,424,009
LAMP SOCKET MOUNTING
William H. Woodward, Detroit, Mich.
Application March 4, 1943, Serial No. 478,041
7 Claims. (Cl. 173—362)



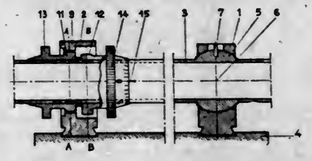
4. A lamp socket mounting comprising a tubular arm, a lamp socket mounted on an extremity of the arm and projecting along the extended axis of the arm, a collar fitted on the arm in proximity to the socket, and an element inserted in the collar and securing the collar rigidly on the arm and further interengaging the collar firmly with the socket.

2,424,010
FIELD COMPRESSOR
Farrile S. Young, Kansas City, Mo., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware
Application October 12, 1944, Serial No. 558,427
5 Claims. (Cl. 230—206)



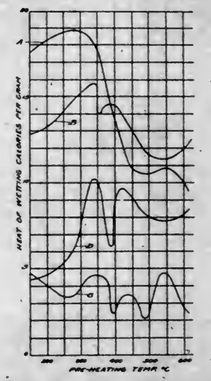
1. A device of the character described comprising, a compressor, a motor having a crank case containing oil for lubricating said motor, a gas supply line leading to said compressor, and means in said line for cooling said oil.

2,424,011
TELESCOPE ADJUSTING DEVICE
Armand Antoine Auguste Agénor de Gramont, Levallois-Perret, France, assignor to Optique et Precision de Levallois, Levallois-Perret, France, a company of France
Application August 17, 1945, Serial No. 611,064
In France April 11, 1945
6 Claims. (Cl. 248—178)



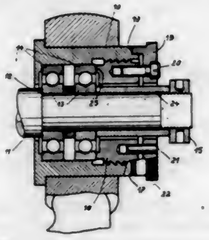
1. Telescope adjusting device comprising two eccentric members mounted on the telescope tube and rotatable thereon, each eccentric member being confined between two stationary parallel surfaces, the two sets of parallel surfaces being in planes at right angles to one another.

2,424,012
MANUFACTURE OF MOLDED ARTICLES FROM COAL
Donald Hugh Bangham, London, John Godolphin Bennett, Kingston-on-Thames, Robert Leslie Brown, Liverpool, Wallace Hirst, Kingston-on-Thames, Marcello Pirani, Kingston Hill, and Rodney Francis Jennings, Richmond, England, assignors to C. D. Patents Limited, Fulham, London, England, a British company
Application June 17, 1943, Serial No. 491,238
In Great Britain July 7, 1942
7 Claims. (Cl. 18—55)



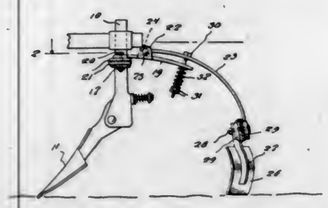
1. The process of producing shaped articles useful in industry, which comprises, finely comminuting bituminous coal having a content of volatile matter between 13 and 42 per cent. calculated on the dry ash-free coal, and subjecting the same, without addition of any softening or binding agent, in a mould to a pressure of at least about 250 atmospheres at a temperature which is at least about 300° C. and under the pressure used lies between the temperature at which the coal begins to soften and that at which it ceases to be plastic, and which also is below the temperature of the onset of intumescence under the pressure used, maintaining such pressure and temperature until the material has agglutinated and the desired article is formed, releasing the pressure and cooling the article.

2,424,013
BEARING ADJUSTING DEVICE
André Bechler, Moutier, Switzerland
Application May 28, 1945, Serial No. 596,335
In Switzerland June 20, 1944
3 Claims. (Cl. 308—189)



1. In a machine, a shaft, a housing with a thread, a ball-bearing comprising an inner race member rigidly connected with said shaft, and an outer race member inserted with sliding seat in said housing, a rotatable ring abutting on said housing, a nut engaging the thread of said housing and adapted to be rotated by said ring and to act axially upon said outer race member to adjust the radial play of said ball-bearing, and adjustable tightening means connecting said nut and said ring, adapted to connect, in tightened condition, said nut and said ring rigidly with said housing.

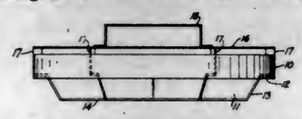
2,424,014
EASY DRIVE SWEEP
John M. Bobeldyk, Inwood, Iowa
Application December 28, 1945, Serial No. 637,522
1 Claim. (Cl. 97—56)



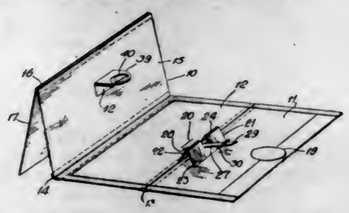
An attachment for a tractor cultivator, having shovels on its rear end supported by shanks including a pair of rearwardly extending arms, a support hingedly conneced to each arm and adapted to swing in a vertical plane, a soil scraper on each support arranged behind the shovels to scrape the soil toward the longitudinal center of said cultivator, and a spring on each set formed by one arm and one support adapted to normally prevent the support from swinging in relation to the arm, but to permit such movement when the attached soil scraper meets a heavy obstacle.

2,424,015
PIE CUTTER
Carter L. Booker, St. Helena, Calif.
Application August 1, 1944, Serial No. 547,563
4 Claims. (Cl. 30—302)

1. A pie cutter comprising a ring, a plurality of radially arranged cutting blades carried by the ring, a backing plate, connector means for the backing plate and the ring holding the former in spaced relation to the upper edge of the latter, and a handle carried by the backing plate.

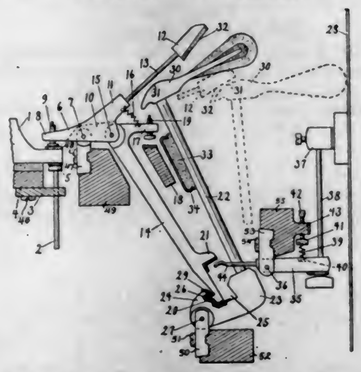


2,424,016
GAME PIECE PROJECTOR
Hugh P. Botts, New York, N. Y., assignor of one-half to Lawrence G. Botts, New York, N. Y.
Application January 13, 1944, Serial No. 518,186
5 Claims. (Cl. 124—16)



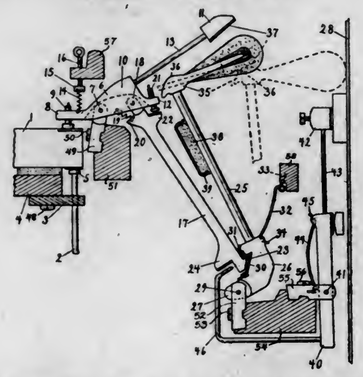
3. A game piece projector comprising two relatively movable parts, said parts having registering apertures, the aperture of one part being longer than the aperture in the other part, a tapered lever arranged in the apertures to said parts, the flared end of the lever having a frictional engagement with the opposed walls of the aperture in the first mentioned part, the lever being freely movable in the shorter aperture of the second part and projecting therefrom to form an operating end, means on said operating end for supporting a game piece thereon, and said last named means comprising a socket and a notched cross bar.

2,424,017
PIANO-ACTION
Alexander P. Brown, Beechhurst, N. Y.
Application December 22, 1945, Serial No. 636,656
8 Claims. (Cl. 84—240)



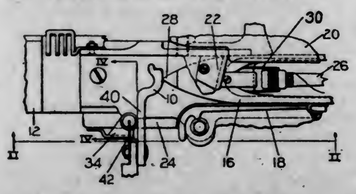
1. In a piano action, a combination comprising a key having a back end moving up when the key is struck, a wippen having a fixed pivot and two arms extending from said pivot in about opposite, substantially horizontal directions, one of said arms having a lower surface drivingly contacted by said key end, a jack hinged to the other wippen arm whereby said jack moves down when the key is struck, said jack having a lower end positioned considerably lower than said key, and a hammer having a shank positioned at the back side of said jack, and having a butt affixed to the lower end of said shank and engageable by said lower jack end, said butt having a fixed pivot positioned farther to the front side than the point of said engagement.

2,424,018
PIANO ACTION
Alexander P. Brown, Beechhurst, N. Y.
Application December 22, 1945, Serial No. 636,657
7 Claims. (Cl. 84—240)



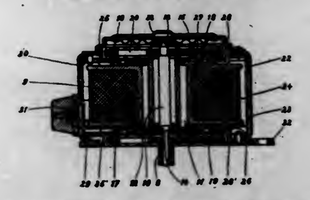
1. In a piano action, a combination comprising a key having a back end moving up when the key is struck, a wippen having a fixed pivot and an arm with a lower surface drivingly contacted by said key end, a jack hinged to said wippen, said wippen pivot being positioned between said arm and said jack hinge whereby said jack moves down when the key is struck, said jack having a lower end positioned considerably lower than said key and having a back projection, and a hammer having a shank positioned at the back side of said jack, and having a butt affixed to the lower end of said shank, said butt having a front recess engageable by said jack projection and having a fixed pivot positioned farther to the front side than said recess.

2,424,019
SHUTTLE FEELER GUIDE
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Refiled for abandoned application Serial No. 536,923, May 23, 1944. This application May 23, 1945, Serial No. 595,272
5 Claims. (Cl. 139—231)



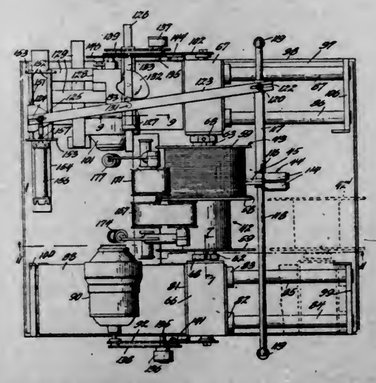
1. In a loom, a lay, a shuttle box, a shuttle movable along said lay into and out of said shuttle box, springable means operating at predetermined intervals to gauge the position of the shuttle in said shuttle box; a bracket secured to the front face of said lay, said bracket having a downwardly extending portion engaging the front of said lay and an upper portion extending backwardly over the top of said lay, and a roller mounted on said upper portion on said bracket, said roller engaging and supporting said gauging means against lateral movement.

2,424,020
SINGLE-PHASE SYNCHRONOUS MOTOR OF SMALL SIZE
Oscar Chatelain, Le Locle, Switzerland
Application September 5, 1944, Serial No. 552,767
In Switzerland July 31, 1943
7 Claims. (Cl. 172—278)



1. In a small single-phase self-starting synchronous motor, a single field coil having a core, a shaft, frame members surrounding said field coil on all sides and having toothed parts lateral to said field coil, adjacent teeth of said parts being of different polarity, and two rotary discs limiting a space in which said field coil lies, one of these rotary discs at least comprising permanent magnets lying side by side with adjacent poles of different magnetic polarity, mounted on said shaft in the space surrounded by said teeth, said core, said frame members and said rotary discs forming together the single existing magnetic circuit so that said core is traversed over its whole length by the total magnetic flux.

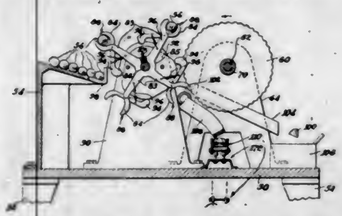
2,424,021
SPOOLING
John Cook, Ridgewood, N. J.
Continuation of application Serial No. 401,389, July 7, 1941. This application November 8, 1945, Serial No. 627,365
20 Claims. (Cl. 242—25)



4. A wire spooling machine comprising means to drive the spools to wind wire, a traversing guide to lay wire on the spool being wound in

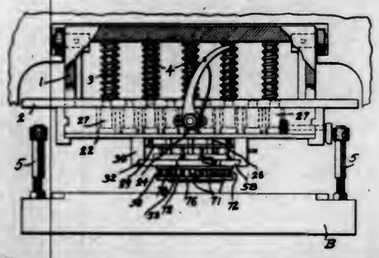
side by side convolutions, means to transfer the traversing guide from one to the other spool for winding successive spools, means operated by operation of the transfer means to produce a plurality of overlapping convolutions of increased lead to bind the beginning end of wire wound on the empty spool.

2,424,022
APPARATUS FOR THE EXTRACTION OF THE KERNEL OR KERNELS FROM A NUT
Fritz Albert Deutsch, Caracas, Venezuela
Application October 12, 1945, Serial No. 621,919½
23 Claims. (Cl. 146—10)



1. In an apparatus for the extraction of the kernel or kernels from a nut, the combination of: means for cutting the nuts clear through the kernel or kernels in a direction substantially perpendicular to their longitudinal axis so as to divide each nut into a plurality of slices consisting of two end slices and at least one center slice substantially in the shape of a truncated cone, expelling means for expelling the kernel portion from the shell portion of a slice, means for conveying the center slices delivered by said cutting means to said expelling means, and driving means for an automatic operation of said cutting means and said expelling means.

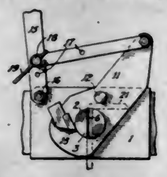
2,424,023
DECORATING MACHINE
Louis G. Freeman, Jr., Cincinnati, Ohio
Application February 17, 1944, Serial No. 522,813
15 Claims. (Cl. 101—30)



1. In a machine of the character described wherein work holding means and die supporting means are brought together to decorate a piece of work, and in which an actuated element to provide stripping pressure is incorporated with the die supporting means and is moved away from stripping position during work decorating movement, a master die holder comprising a member mountable on the die supporting means, means thereon to demountably arrange a die, and a plate supported movably on the master die holder and having means contacting with the actuated element, the said die mounting means arranged to mount the die in advance of the plate.

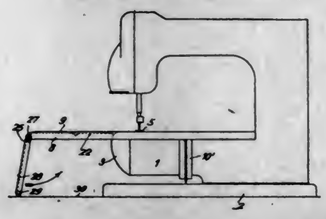
12. A die for use with a master die holder having rigid projections thereon in a pre-arranged pattern, said die having a plate portion for mounting on the die holder, said plate portion having rigid projections thereon arranged to contact the projections on the die holder when the plate is in position thereon.

2,424,024
MANUALLY OPERATED LEVER FOR BENDING AND SHEARING METAL RODS
Jesse Garton, Hawthorn, Victoria, Australia
Application October 4, 1945, Serial No. 620,242
In Australia October 26, 1944
2 Claims. (Cl. 153—2)



1. A combination hand appliance for bending and shearing metal rods or bars comprising a base plate, a holder carried thereby and having a cylindrical head provided with a slot in which the rod or bar to be operated on is placed, a lever movable about said holder, a bending pin or abutment carried by the lever and adapted, when the lever is moved in one direction, to move across one end of the slot in the holder and act on the rod or bar to bend it, and a shearing member also carried by the lever and movable in sliding relationship with the periphery of the head of the holder to move across the other end of the slot and shear the rod or bar when the lever is moved in the opposite direction.

2,424,025
SEWING MACHINE ATTACHMENT
Fritz Gegauf, Steckborn, Switzerland, assignor to Fritz Gegauf's Söhne Aktiengesellschaft, Steckborn, Switzerland
Application December 7, 1943, Serial No. 513,255
In Switzerland August 17, 1942
2 Claims. (Cl. 112—260)



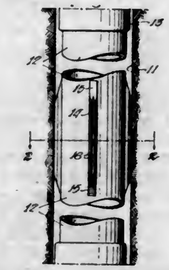
1. In sewing machine attachments for enlarging the fabric-supporting area of sewing machines having the loop-taker means included in an arm freely projecting from said machine, a table having a fabric-supporting top surface, said table having an opening formed therein, a hollow projecting machine arm having a fabric-supporting top surface for mating said top surface of said table, a casing having a spool carrying the sewing thread accommodated in the hollow of said arm, a pivotal lid associated with said opening in said table for covering the latter and when uncovering it on being swung upwardly providing access to said casing from above, and

mounting means interposed between said table and said projecting arm for sustaining said table on said arm on being placed on the latter in a position wherein said two fabric-supporting surfaces are mating each other for enlarging the fabric-supporting area of said sewing machine.

2,424,026
PLASTIC MASSES AND PROCESS FOR MAKING THE SAME
Henry I. Gilbert, Brooklyn, N. Y.
No Drawing. Application May 19, 1943, Serial No. 487,841
14 Claims. (Cl. 260—97)

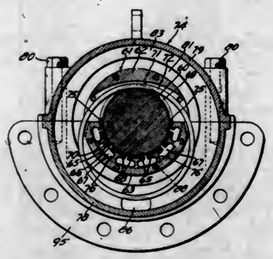
1. As a plastic mass, an inter-condensation product of mixed natural resin acid chlorides and fatty acid chlorides the acid chlorides having at least six carbon atoms in the molecule, the condensation product showing marked resistance to alkali.

2,424,027
CASING CENTERING DEVICE
Fred Morgan Gist, Monahans, Tex.
Application April 16, 1945, Serial No. 588,425
1 Claim. (Cl. 166—4)



An article of manufacture comprising a well casing having rigid projections spaced about its periphery extending beyond the diameter of the casing couplings, said projections being longitudinally ribbed and the projections having a tapered end which terminates within the coupling diameter.

2,424,028
BEARING
Max Haeberlein, Maplewood, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 1, 1943, Serial No. 492,979
4 Claims. (Cl. 308—73)

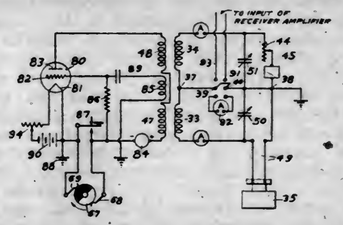


1. In a bearing having a lubricant reservoir, a bearing body provided with a lubricant distributing passage, a journal means, bearing segments comprising portions of said bearing body and arranged to rotatably support said journal means, said segments being spaced one from the other to provide lubricant receiving passages, said bearing body being shaped to isolate said segments from said reservoir but said lubricant receiving passages having communication with said lubricant distributing passage, and lubricant carrying means actuated through rotation of said journal means for moving lubricant from said reservoir and into said lubricant distributing passage for delivery to said lubricant receiving passages, said lubricant carrying means comprising an oil ring suspended from said journal means and dipping into the lubricant in the reservoir.

2,424,029
CYCLOPROPYLALKYL ETHERS AS INSECTICIDES
Herbert L. J. Haller, Washington, D. C., assignor to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application October 10, 1942, Serial No. 461,602
3 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for destroying insects comprising evaporating cyclopropyl alkyl ether having not more than three carbon atoms in the alkyl group in the air surrounding the insects.

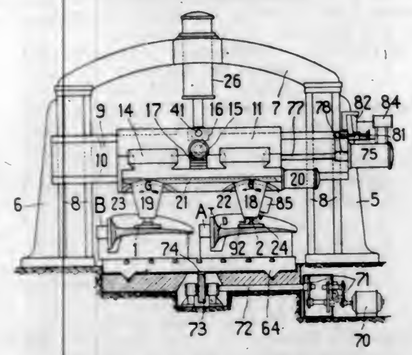
2,424,030
BALANCED DRIVER FOR SONIC DEPTH FINDERS
Harvey C. Hayes, Washington, D. C.,
Application January 30, 1932, Serial No. 589,946
5 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A sound-ranging apparatus, comprising a vacuum tube having an anode, a grid, and a cathode; an anode circuit including two identical, like-sensed inductances in series with each other, a source of direct current in series with said inductances connected to impress a positive potential on said anode, periodically acting circuit interrupting means connected to the negative terminal of said source and to said cathode; a condenser connected to said grid, a coil disposed in inductive relation with the aforesaid inductances and connected to said condenser, a resistance connected to said grid and to the negative terminal of said source; a second pair of identical, like-sensed inductances connected in series and disposed with one in inductive relation with each of the said two inductances, a transceiver connected to one of said second inductances, a variable resistance connected to the other of the inductances of said pair, a condenser and an inductance connected in parallel with each other and in series with said resistance, a second condenser in series therewith and connected to said

transceiver, a neutral branch connected between said second condenser and said pile and between the said inductances of said pair, a variable condenser connected to said neutral branch and in parallel with said pile, and a second variable condenser connected to said branch and in parallel with said first and second condensers, said resistance and said last mentioned inductance.

2,424,031
MACHINE FOR MACHINING ANY KIND OF CURVED SURFACES
Walter Heer, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application March 20, 1945, Serial No. 583,797
In Switzerland April 15, 1944
10 Claims. (Cl. 90—13.5)



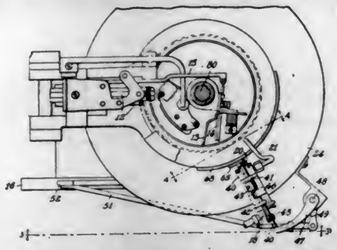
1. A machine tool for machining curved surfaces, comprising chucking means for the blank to be machined and for a pattern; means for moving said chucking means in the longitudinal direction of the machine; a feeler for tapping off said pattern; a valve casing carrying said feeler; a gear box carrying a tool; a beam carrying said valve casing and gear box; a member connecting said valve casing to said gear box; means for moving said member for the purpose of imparting a rocking movement to said valve casing and said gear box in the transverse direction of the machine; a carriage in which said beam is so arranged that it can be rocked in the longitudinal direction of the machine; means for imparting a rocking movement to said beam; a cross beam carrying said carriage; means for moving said carriage in the longitudinal direction of said cross beam; standards for guiding said cross beam; and means for moving said cross beam in the vertical direction.

2,424,032
FLOOR COASTER
Clara May Henderson, Burlington, Iowa
Application May 1, 1945, Serial No. 591,363
2 Claims. (Cl. 155—166)



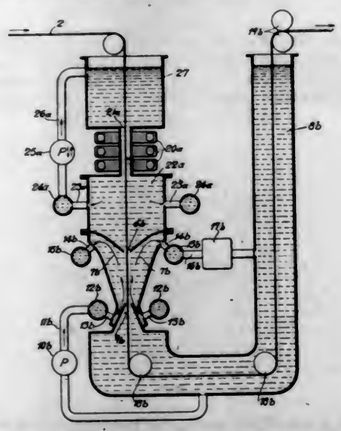
2. A floor coaster comprising a platform, side walls secured to and projecting upwardly from said platform, horizontal flanges secured to the upper edges of said side walls and projecting outwardly therefrom, a front wall secured to and projecting upwardly from said platform, said front wall projecting laterally beyond said side walls and being secured to the front ends of said horizontal flanges, vertical flanges secured to the rear ends of said side walls, said vertical flanges projecting outwardly and being secured to the rear ends of said horizontal flanges, and casters upon which said horizontal flanges are mounted.

2,424,033
KNITTING MACHINE AND METHOD
Harrison F. Hilker and Harold Welker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Application October 10, 1945. Serial No. 621,516
19 Claims. (Cl. 66—125)



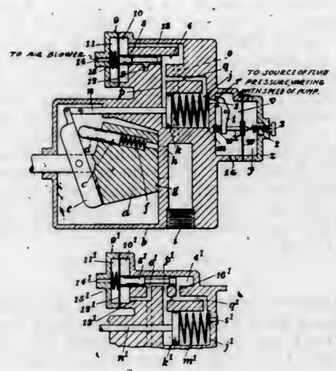
1. In a knitting machine, the combination with a needle cylinder, a dial above the needle cylinder, thread cutter and binder mechanism above said dial, and means for actuating said cutter and binder, of means for directing a blast of air inwardly between said cylinder and dial to blow loose ends of threads severed by said cutter into the space inside the cylinder and below the dial and means for actuating said last mentioned means in coordination with the actuation of said cutter and binder.

2,424,034
TIN-PLATE BRIGHTENING APPARATUS
Edward William Hopper, Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
Application February 4, 1943, Serial No. 474,649
2 Claims. (Cl. 266—4)



1. Tinplate brightening apparatus of the class described having an upper relatively hot liquid containing compartment having associated therewith a throated portion affording downward travel of a plated strip or the like through said compartment and throat, a heating unit enclosing said throat and constructed to melt the coating of the strip as it passes such throated portion, a heat trap chamber disposed beneath said throat and in the path of travel of said strip, means being provided to circulate liquid between said chamber and said compartment, said apparatus including a relatively cooler liquid containing compartment disposed beneath said chamber.

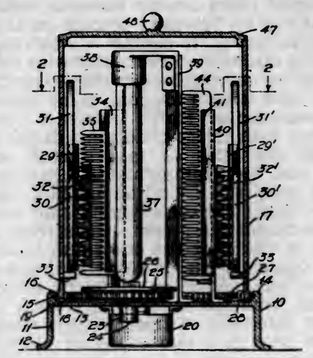
2,424,035
PRESSURE GOVERNOR FOR PUMPS
Richard Joseph Ifield, Ealing, London, England, assignor to Joseph Lucas Limited, Birmingham, England
Application January 23, 1945, Serial No. 574,057
In Great Britain September 29, 1943
2 Claims. (Cl. 121—38)



1. The combination of a cylinder which at one end is adapted to be supplied with pressure fluid, a fluid vent at the other end of the cylinder, a spring-loaded piston slidable in the cylinder under fluid pressure, means for effecting a restricted communication between the two ends of the cylinder, a movable closure member for controlling the vent, means responsive to fluid pressure for actuating the closure member, a spring-loaded valve for interrupting the supply of pressure fluid to the cylinder, means for enabling the spring loading of the valve to be opposed by the said pressure fluid, and means for enabling the spring loading of the valve to be supplemented by a pressure fluid other than that supplied to the cylinder.

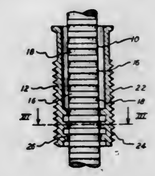
2,424,036
BRUSH AND COMB STERILIZER
Victor Jackel, New York, N. Y.
Application February 18, 1946, Serial No. 648,460
20 Claims. (Cl. 21—82)

1. A sterilizing apparatus of the character described comprising a base, a casing on said base, means for supporting a light bulb emanating predetermined rays within said casing in fixed position, means in the casing for supporting a brush to expose the bristles thereof inwardly in the casing to the bulb rays, a combing element mounted for engagement with the bristles of said



brush, and means for actuating said element to move through the bristles of the brush in the operation of said apparatus.

2,424,037
PRESSURE APPLYING DEVICE FOR CLAMPS AND THE LIKE
Charles Ray Jenkins, Parma, Mich., assignor to Harry D. Boardman, Jackson, Mich., as trustee
Application April 9, 1945, Serial No. 587,362
1 Claim. (Cl. 74—424.8)

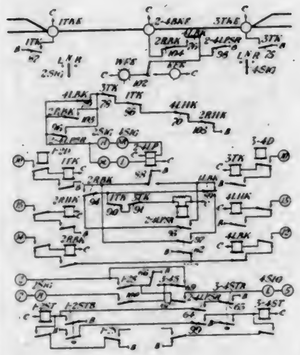


A rapid traverse force applying unit comprising a bar having a radial projection thereon, a bushing having an opening to receive said bar and shaped to pass said bar and projection with relative axial movement in one position of axial alignment, a thrust ledge located in said bushing to one side of said opening upon which said projection is adapted to be moved upon partial relative rotation between said bar and bushing, a wall spaced at varying distances from the axis of said bar along said ledge to provide a stop for said projection when rotated in one direction, and an uninterrupted axially extending wall defining a portion of said opening and constituting a stop limiting rotation in the other direction for aligning said bar with said opening for smooth rapid traverse in said bushing, said walls and ledge being integral.

2,424,038
RAILWAY CENTRALIZED TRAFFIC CONTROLLING APPARATUS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 16, 1945, Serial No. 605,284
11 Claims. (Cl. 246—3)

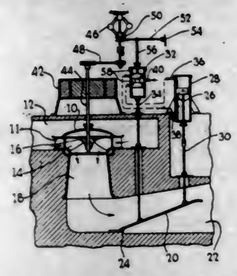
1. In a system of centralized traffic control for a stretch of single track railroad between the ends

of adjacent passing sidings, electroresponsive means at a remote control office for designating the direction of traffic in said stretch, an auxiliary relay at said office having contacts which have a normal and an operated position, a code communication system including a field station at each end of said stretch connected with said office, a system of reversible circuits extending the length of said stretch for controlling signals governing entrance of traffic into said stretch in accordance with traffic conditions in the stretch, means at the ends of said stretch governed through said code communication system in accordance with the condition of said electroresponsive means for conditioning said system of reversible circuits to prepare the stretch for one direction of traffic or the other and to also control the transmission of block indication codes from one field station only for one direction of traffic and from the other field station only for the other direction of traffic which show when the entire stretch is unoccupied, a block indication relay at the office for each end of said stretch governed by the block indication codes transmitted from the field station at the corresponding end of the stretch, the contacts of each block indication relay being moved to their first or their



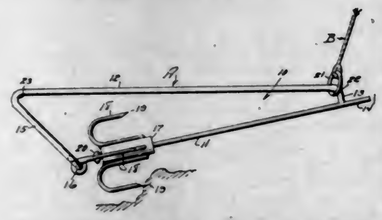
second position during receipt of an indication code according as the indication code does or does not show that the stretch is unoccupied, means for each of said block indication relays effective during the intervals between receipt of indication codes for controlling said relay and operative after movement of the relay contacts to their first position to cause the relay contacts to remain in their first position as long as the contacts of said auxiliary relay remain in their normal position and to cause the block indication relay contacts to move to their second position on movement of the auxiliary relay contacts to their operated position, circuit means for moving the contacts of said auxiliary relay to their operated position when said electroresponsive means is operated to change the designated direction of traffic, means for moving the contacts of said auxiliary relay to their normal position when the block indication relay which shows traffic conditions in the stretch for the traffic direction designated by said electroresponsive means responds to an unoccupied indication code, and means for operating said electroresponsive means to change the designated direction of traffic only when the contacts of one of said block indication relays are in their first position or the contacts of said auxiliary relay are in their operated position.

2,424,039
REGULATION OF THE FLOW OF WATER THROUGH HYDRAULIC TURBINES
Nathan Landesberg, New York, N. Y., assignor to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware
Application May 10, 1944, Serial No. 534,892
3 Claims. (Cl. 253—143)



1. A hydraulic turbine having a body of water flowing through the turbine, a rotor and vanes on the rotor impelled by the flow of water past the turbine, and means for controlling the quantity of water flowing through the turbine comprising an elbow-type draft tube discharging water from the turbine into the tail race from a rectangular horizontal section of said draft tube and a water-guiding substantially rigid valve attached at one end to a side of the draft tube in the horizontal section thereof and swingable about an axis in said draft tube side between closed and open condition to vary gradually the size of the draft tube and thereby the quantity of water flowing through the turbine from substantially no flow to full flow.

2,424,040
RELEASING GRAPPLING HOOK OR ANCHOR
Floyd Earl Long, Tarpon Springs, Fla.
Substituted for application Serial No. 546,836, July 27, 1944. This application May 7, 1947, Serial No. 746,518
3 Claims. (Cl. 114—207)



1. A device of the kind described, comprising a carrier having forwardly convergent arms fixed to each other at distant points relative to each other, a runner on one of the arms, hooks carried by said runner and having free ends directed forwardly thereof, and a hauling line loosely connected to the other arm.

2,424,041
CUTOFF BLADE
John M. Luers, Mount Clemens, Mich., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich., a corporation of Michigan
Application November 8, 1945, Serial No. 627,417
3 Claims. (Cl. 29—95)

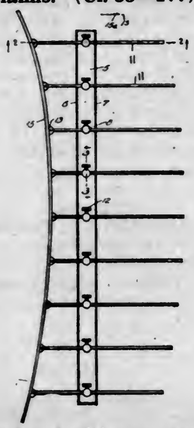
1. A cutting-off blade including a body having a preformed cutting surface along one edge, said

cutting surface including two portions inwardly inclined from opposite sides of the body, one portion being in advance of the other portion, the inner extremity of the advanced portion being undercut and the base of the undercut forming



substantially a continuation of the inner extremity of said other portion, and a cutting edge formed across the junction of another edge face of the blade with one extremity of the cutting surface.

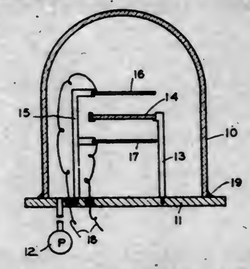
2,424,042
ADJUSTABLE ENGINEERING CURVE
Charles Lundberg, Brooklyn, N. Y.
Application July 17, 1944, Serial No. 545,323
2 Claims. (Cl. 33—177)



2. An engineering drafting curve, comprising a base having straight edges on opposite sides thereof, a series of posts connected to the base in longitudinally spaced relation and having flat upper ends disposed in a common horizontal plane parallel to the base, a series of rods slidable through the posts intermediate of their upper and lower ends, a flexible ruling blade, pivotal connections between the outer ends of the rods and the inner side of the flexible ruling blade, said flexible ruling blade having a width equal to the distance between the bottom face of the base and the upper ends of the posts, and set screws threaded through the sides of the posts against the rods to hold the rods in various adjustments on the posts, the posts being adapted to be inverted so that their upper ends will engage the work, whereby the drafting position of the adjusted flexible ruling blade may be reversed on the work.

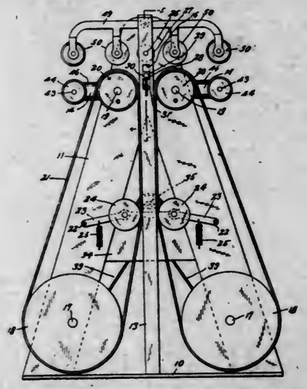
2,424,043
METHOD OF HARDENING METALLIC FILMS
Gerard A. Meyer, Gates, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 16, 1944, Serial No. 526,791
3 Claims. (Cl. 117—62)

1. The method of treating a metallic film deposited on a surface of a body in vacuo to increase the durability of the film which comprises the steps of placing the body in an evacuable container with the filmed surface held substantially parallel to the surface of one of a pair of electrodes formed of a material which will not sputter appreciably; evacuating said container to a pressure of about 250–50 microns of mercury; subjecting the filmed surface to a discharge cre-



ated in the partially evacuated container by a high voltage current passed between said electrodes; discontinuing said discharge after approximately one hour; and immediately thereafter subjecting said body for a period of time substantially equal to the duration of said discharge to storage in an ambient pressure of about 0.1–0.01 micron of mercury.

2,424,044
ENDLESS ABRASIVE BELT SANDING MACHINE
Harvey L. Miller, Siler City, N. C.
Application January 22, 1946, Serial No. 642,719
7 Claims. (Cl. 51—139)

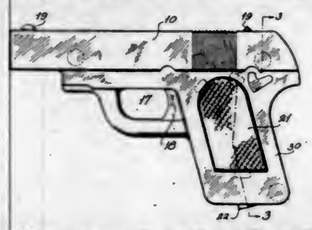


1. In a sander a frame representing in cross-section a substantially inverted V, at least one pair of closely spaced pressure rolls carried by the frame near its apex, at least one drive roll adjacent the lower end of each leg of the frame, an abrasive belt trained over each pressure roll and each drive roll, means to drive the drive rolls in unison and a pair of feed rolls between the pressure rolls for gripping and moving a piece to be sanded across the belts in a direction perpendicular to the axes of the rolls.

2,424,045
TOY GUN AND CONTAINER
Jacob H. Millstein, Jeannette, Pa.
Application March 19, 1946, Serial No. 655,548
1 Claim. (Cl. 215—1)

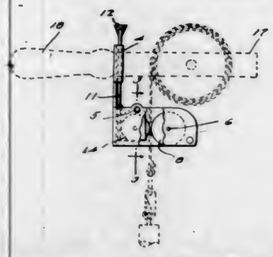
In a toy pistol and container, a body including a barrel portion and a handle portion, said body

portion being formed of hollow mating sections, interfitting tubular studs carried by the two sections in the barrel and handle portions thereof with the studs carried by one section having side grooves for the spreading of an adhesive when the two sections are assembled, the handle portion having openings therethrough, a container in the handle portion and having a removable closure accessible at the lower end of the handle portion,



said container having flat side walls with a projection on each wall extending into the opening in the adjacent handle portion and occupying the entire area of the opening, the outer sides of the projections extending beyond the planes of the outer sides of the handle sections, and a series of spaced lugs at the marginal edges of said openings for cushioning contact with the flat sides of said container.

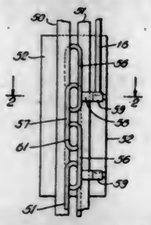
2,424,046
GAUGE LINE CLEANING DEVICE
Jerry L. Moore and Harvey Moore, Quitman, Tex.
Application April 27, 1945, Serial No. 590,680
3 Claims. (Cl. 15—210)



1. A gauge line cleaning device comprising a frame member having a body portion and a pair of parallel wing portions extending at right angles to said body portion, a first roller rotatably carried by said frame member between said wing portions, a support element pivotally secured to said frame member between said wing portions, a second roller rotatably carried by said support element on an axis parallel to the axis of said first roller, the pivotal securement of said support element being on an axis parallel to the axes of said rollers, and means carried by said support element and cooperating with said frame member for rotating said support element around its pivotal axis to urge said second roller against said first roller.

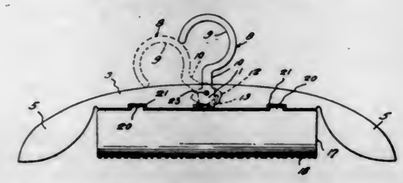
2,424,047
METHOD OF FORMING CASTINGS ON DISPOSABLE CORES
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application December 14, 1942, Serial No. 469,018
1 Claim. (Cl. 18—55)

The method of forming pairs of independent interfitting die castings, which comprises supporting a pair of paper core members within spaced parts only of the cavities of relatively movable dies, with both pairs of core members extending outwardly beyond the limits of the die cavities, arranging the core members to separate said cavities to form independent castings, pressure injecting casting material into the cavities of the dies, when in closed position, around the parts of the core members supported therein to form a pair of castings arranged on and supported by



both of said core members and joined only by a common gate, then shifting the first pair of castings including the core members and gate to position a new section of the core members between the cavities of said die, then forming the next successive pair of castings with one casting thereof interfitting with one casting of the first pair, and then removing the gates from the pairs of castings and disposing of the core members in forming of the successive pairs of castings a series of interfitting relatively movable castings.

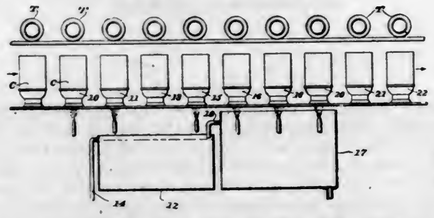
2,424,048
GARMENT SUPPORT
Robert S. Pankowski, La Porte, Ind.
Application February 15, 1946, Serial No. 647,816
1 Claim. (Cl. 223—93)



In a garment hanger having the usual centrally disposed hook with outwardly extending and downwardly sloping arms, the combination, which comprises a bar with downwardly curved ends of comparatively thin material in the shape of an inverted U in cross-section having downwardly extending arms and with the edges of the ends extended outward providing cushion-shaped shoulder-retaining elements for garments, one of said arms carrying an extending outwardly bowed jaw section of a gripping clip suspended below the bar, said outwardly bowed jaw section integral with the arm from which it is suspended, a complementary outwardly bowed jaw section extending downward from the other of said arms, means hinging said complementary jaw section to the lower edge of the arm from which it extends, said complementary jaw section carrying a horizontally disposed tongue extending from a point intermediate the ends thereof across the central portion of said inverted U-shaped bar, the lower end of said hook carrying a depending jaw below a transverse horizontally positioned slot, and a pin extending through the arms of said inverted U-shaped bar and through the hook pivotally mounting the hook in the bar wherein actuation of the hook to the upright

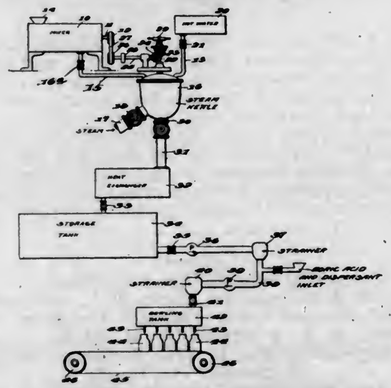
position forces said depending jaw under the tongue holding the tongue with the complementary jaw in gripping relation with the jaw integral with the arm of the inverted U-shaped bar.

2,424,049
METHOD OF CLEANING CONTAINERS
Milton E. Parker, Barrington Township, Cook County, Ill., and Paul W. Bonewitz, Burlington, Iowa, assignors, by direct and mesne assignments, of one-half to Paul W. Bonewitz and one-half to Bonnie M. Bonewitz
Original application July 16, 1941, Serial No. 402,722. Divided and this application April 22, 1942, Serial No. 440,076
2 Claims. (Cl. 134—3)



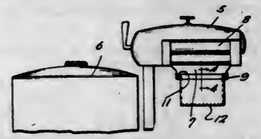
1. The method of cleaning a plurality of containers comprising treating each container with an aqueous solution of acid cleaner which contains an organic acid and which is non-corrosive to the container material and prevents substantial precipitation of calcium and magnesium solids at temperatures in excess of 190° F., draining each container and collecting the drained solution and employing the same at a temperature in excess of 190° F., to also treat each container, the said solution at all times preventing substantial precipitation of calcium and magnesium solids.

2,424,050
LIQUID STARCH COMPOSITIONS AND METHOD OF PREPARING THE SAME
Joseph S. Pecker and Edwin A. Pecker, Philadelphia, Pa., assignors of one-half to Anne G. Pecker, Philadelphia, Pa.
Application April 9, 1943, Serial No. 482,445
25 Claims. (Cl. 106—214)



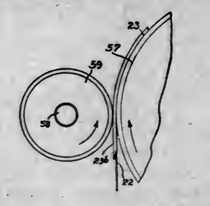
1. In a method of manufacturing liquid starch, cooking a mixture of corn starch and water at a temperature and for a time sufficient to cause rupture of substantially all starch granules, adding bluing to the starch mixture of the type which has less affinity for oxygen than does the mixture of corn starch and water, cooling the mixture to a temperature sufficiently low to cause gelatinization thereof, mechanically breaking up said gel into fine particles, supplying air to said finely divided particles, supplying pine oil and boric acid, and breaking up the mixture of said fine particles, pine oil and boric acid, in the presence of air, to distribute the pine oil and boric acid uniformly therethrough and to form fine particles subjected to the action of boric acid and the oxygen in the air to which they are subjected for satisfying the oxygen demanded of the starch mixture and preventing oxygen uptake by the starch mixture from the bluing and prevent fading, for forming a bacteriostatic, nonfading, stable mixture comprising finely divided particles which will not coalesce.

2,424,051
STARCH PAN ATTACHMENT FOR CLOTHES WRINGERS
Claude E. Pickens, Ulysses, Kans.
Application September 20, 1944, Serial No. 554,978
1 Claim. (Cl. 91—31)



An attachment for clothes wringers of a type including a drain board, said attachment being an angle iron slide attached to each side of the drain board, each slide including an inwardly projecting horizontal portion, and a pan adapted to contain liquid and having outwardly projecting flanges on its opposite sides slidably mounted on said slides to provide for sliding of the pan relative to said drain board, said pan being slidable beneath said drain board to completely close the same, and being slidable in opposite directions to project the same beyond said drain board into partially open position.

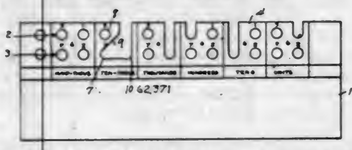
2,424,052
FILM PROCESSOR
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application January 18, 1945, Serial No. 573,438
15 Claims. (Cl. 95—94)



1. In devices for processing film wherein said film is passed over a series of drive and free rollers with guiding means associated therewith, the method of propelling said film over said rollers which consists of attaching a leader to the end of said film, said leader being substantially thicker than the film, adjusting said rollers relative to each other so that the spacing between the drive rollers and the free rollers is greater than

the thickness of the film and less than the thickness of the leader, and inserting the free end of the leader between the first pair of rollers in said series, and actuating said drive rollers to effect the driving of said leader and the pulling of said film over said free rollers.

2,424,053
CARD FOR SEQUENCE SORTING
Albert A. Rembold, San Francisco, Calif.
Application June 7, 1944, Serial No. 539,102
5 Claims. (Cl. 129—16.1)



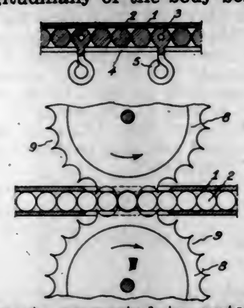
1. A card for classification purposes that is provided with a plurality of adjacent pairs of coded openings formed therein adjacent an edge thereof with the openings of each pair being in alignment perpendicular to said edge whereby one opening of each pair is closer to said edge than the other, the said other opening of one pair of said openings being slotted out to said edge through the said one opening of the pair adjacent thereto leaving the oppositely aligned opening of the said one pair unimpaired.

2,424,054
METHOD OF COATING METAL WITH INORGANIC INSULATING COMPOSITION
Edward Roach, Los Angeles, Calif., assignor to John U. Birnie, Los Angeles, Calif.
No Drawing. Application October 18, 1943, Serial No. 506,770
1 Claim. (Cl. 117—70)

The process of forming on a ferrous metal a fireproof, waterproof, non-sweating, insulating, adherent coating having a neutral surface, which comprises slowly adding, with constant stirring, a mixture of about 1.8 lbs. of silica, about 0.125 lb. of calcined dolomite, and about 0.125 lb. of calcium fluoride, said components in finely divided form and said silica having a fineness of minus 200 mesh, to about 1.015 lbs. of sodium silicate solution of about 38° Bé. to form a thick paste, adding more of said solution thereto slowly with constant stirring until the paste has the proper consistency for spraying, spraying the resulting mass onto a ferrous metal, making a paste similarly to that above referred to, adding thereto an amount of asbestos equal to about 10 percent of the weight of said paste, adding more of said solution thereto with constant stirring until the paste has again assumed the aforesaid consistency, spraying the resulting mass onto said first mentioned coating after said coating has stood for about one hour, allowing both coatings to stand for about seventy-two hours, spraying the outer surface of the applied coating with diluted hydrochloric acid, and allowing the coating to stand for about twenty-four hours.

2,424,055
HOOK CONVEYER
Claude Rousseau, Montmagny, Quebec, Canada
Application July 20, 1944, Serial No. 545,764
1 Claim. (Cl. 198—177)

A conveyer including a tubular body of indeterminate length with the inner surface of true circular form, the body being formed with diametrically-opposed slots of materially less width than the diameter of the interior of the body, a series of balls in the bore of the body and shaped for rolling contact with the bore of the body to prevent other than a movement of the balls longitudinally of the body bore, depending



hook supports connected to certain relatively-spaced balls and depending through a slot in the body, the hooks and slot being relatively formed to prevent turning movement of the hooks relative to the body, and mechanical means extending through the diametrically-opposed slots in the body and cooperating with the balls to advance the latter in the bore of the body.

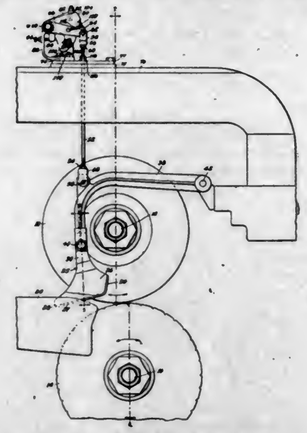
2,424,056
TOELESS HOSE
Marjorie I. Ruth, Louisville, Ky.
Application November 9, 1945, Serial No. 627,666
3 Claims. (Cl. 2—239)



2. A foot garment comprising a member shaped to encase the body portion of a foot, said member having five apertures at the forward portion thereof to receive the five toes of the foot and to extend therefrom, the forward portion of the member having a hem strip stitched therearound whereby to reinforce the toe openings, and further stitching between the adjacent openings to provide a junction for each of the spaces between the toes whereby to form the toe openings.

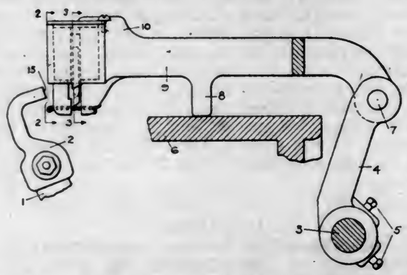
2,424,057
FISH FILLETING MACHINE
Charles M. Savrda, Bay Shore, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
Application May 10, 1944, Serial No. 534,874
10 Claims. (Cl. 17—4)

1. In a fish filleting machine having a pair of belly-slicing knives, a pair of traction discs below said belly-slicing knives and a pair of ribbing knives adjacent the discharge side of said slicing knives and traction discs, a deflector to direct a fish leaving the zone of action of the belly-slicing knives onto the ribbing knives comprising a pair of spaced hold-down members adapted to enter in the incisions made by said belly-slicing knives and ride on the backbone of said fish,



tension means to maintain said hold-down members in position, means to adjust said tension means, and means to release said tension means when the pressure exerted by the backbone of the fish reaches a predetermined amount, whereby said hold-down members are elevated.

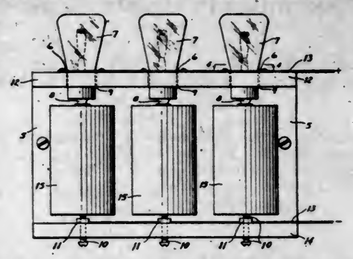
2,424,058
LOOM CONTROL ARM
Kenneth E. Sanderson, Hopedale, and Leonard M. Rogers, Mendon, Mass., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 17, 1946, Serial No. 684,123
6 Claims. (Cl. 139—224)



1. A loom control arm structure comprising an arm, an electromagnet coil and armature on said arm, and a detent on said arm cooperating with said armature, whereby upon energization of the coil the armature is moved into operating position and into retentive engagement with the detent and is thereby retained in operating position subsequent to deenergization of the coil.

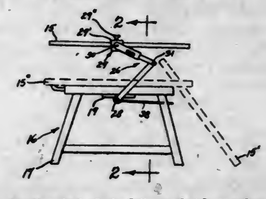
2,424,059
APPARATUS FOR RECONDITIONING OF DRY CELL BATTERIES
Jim Scott, Crossroads, N. Mex.
Application May 7, 1945, Serial No. 592,350
1 Claim. (Cl. 320—4)

An apparatus for regenerating dry cell batteries comprising a box, contacts for connecting the dry cells, a light bulb, a socket for the same fixed on the box, one of said contacts being



formed by the tip contact of the light bulb fixed on the box and another adjustable contact mounted in said box facing the light bulb.

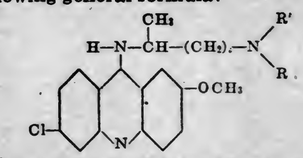
2,424,060
INDUSTRIAL TABLE
Samuel G. Shapiro, New York, N. Y.
Application May 21, 1946, Serial No. 671,227
15 Claims. (Cl. 69—19)



1. In an industrial table of the character described, a structure adapted to support a board thereon, a board resting on said structure; said board presenting one of its surfaces to be worked on, a member moveably mounted on said supporting structure and positioned laterally of the board; the board being pivotally mounted on said member on an axis substantially parallel to the surfaces of said board, whereby upon movement of the board and said member the line of said axis is moved away from said supporting structure a predetermined distance, said board is revolvable about said axis a half revolution so that when said board is so moved, revolved and then returned to rest on the supporting structure, the other surface of the board is presented to be worked on.

2,424,061
9-AMINO-ALKYL-AMINO-SUBSTITUTED ACRIDINE DERIVATIVES
Horace A. Shonle and Joseph W. Corse, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application June 29, 1944, Serial No. 542,826
3 Claims. (Cl. 260—279)

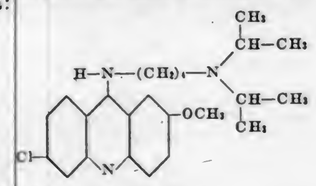
1. The new substituted acridines having the following general formula:



in which R is a radical of the class consisting of $-CH_3$ and $-C_2H_5$, R′ is $-C_2H_5$ when R is $-CH_3$ and is $-C_4H_9$ when R is $-C_2H_5$, and their salts.

2,424,062
2-METHOXY-6-CHLORO-9-[4'-(DIISOPROPYLAMINO)-BUTYLAMINO]-ACRIDINE
Horace A. Shonle and Joseph W. Corse, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 29, 1944, Serial No. 547,304
1 Claim. (Cl. 260—279)

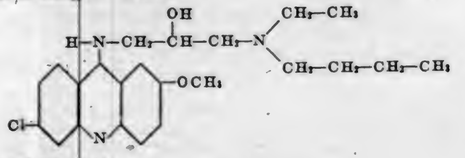
2-methoxy - 6 - chloro-9 -[4'-(diisopropylamino)-butylamino]-acridine having the following formula:



and its salts.

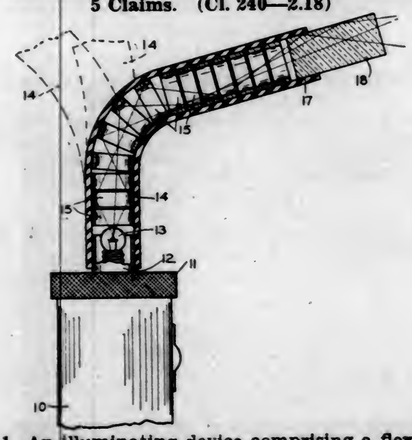
2,424,063
2-METHOXY-6-CHLORO-9-[2'-HYDROXY-3'-(ETHYL - N - BUTYLAMINO) - PROPYL - AMINO]-ACRIDINE
Horace A. Shonle and Joseph W. Corse, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application August 7, 1944, Serial No. 548,499
1 Claim. (Cl. 260—279)

2 - methoxy-6-chloro-9-[2'-hydroxy-3'-(ethyl-n-butylamino)-propylamino]-acridine having the following formula:



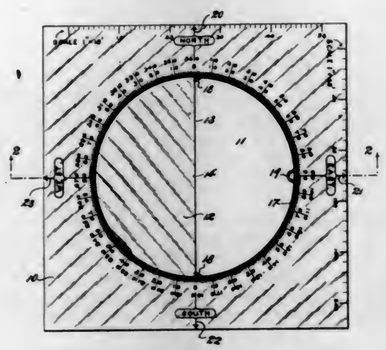
and its salts.

2,424,064
ILLUMINATING DEVICE
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 13, 1944, Serial No. 544,756
5 Claims. (Cl. 240—2.18)



1. An illuminating device comprising a flexible tube, light reflecting means positioned within the bore of the tube, said means being substantially coextensive with the bore of the tube, said means comprising a plurality of spaced tubular reflecting elements arranged in end-to-end relation within the bore of the tube, a light source positioned at one end of the tube for directing light rays onto the inner faces of said elements, the light rays being successively reflected by said elements when the tube is flexed whereby light rays will emerge from the other end of the flexed tube.

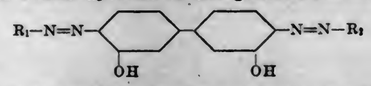
2,424,065
PLOTTING INSTRUMENT
George C. Stewart, Caldwell, N. J.
Application March 17, 1944, Serial No. 526,930
2 Claims. (Cl. 33—1)



1. A plotting instrument comprising a calibrated protractor body having a central circular opening provided with a guide channel extending around the periphery thereof, a rotor member having a diametric straight edge and a semi-circular circumferential edge conformably shaped to slidably engage in said guide channel, a semi-circular keeper spring slidably engaged in said guide channel in opposition to said rotor member and with its ends bearing thrustingly against the respective end portions of the rotor member straight edge, and said spring having intermediate its ends a finger loop projecting therefrom freely into the interior of said protractor body opening, whereby to be manipulatable for imparting rotary movement to said spring and rotor member.

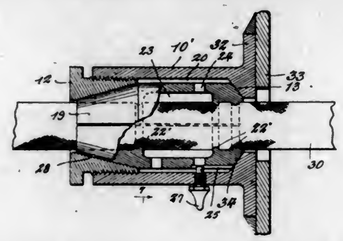
2,424,066
DISAZO DYES FROM DIHYDROXY BENZIDINE
Fritz Straub, Kaiseraugst, and Jakob Brassel and Peter Pieth, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm
No Drawing. Application August 16, 1943, Serial No. 498,886. In Switzerland February 18, 1941
12 Claims. (Cl. 260—182)

1. A disazo dyestuff of the general formula



wherein R_1 and R_2 stand for radicals of hydroxynaphthalene coupling components at least one of which is a 1-hydroxynaphthalene containing an auxochromic group in 8-position and further at least one sulfonic acid group.

2,424,067
CABLE CLAMP AND SEALING DEVICE
Robert E. Thoren, Seattle, Wash.
Application October 28, 1944. Serial No. 560,895
3 Claims. (Cl. 174—77)

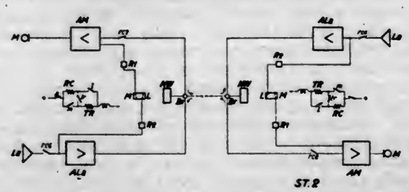


1. A cable sealing and clamping device comprising a tube having one end constructed for securement to a supporting wall, the other end being interiorly threaded, a gland nut threadedly engaged in said end, a cable extended through said tube, separable insert members within said tube and disposed about said cable, said insert members having opposed ribs for engaging said cable, and relieved portions forming a circumferential space around said cable, each insert having a plurality of openings forming communication with the interior of the tube, said tube having a valved fitting for admission of a sealing compound within said tube and circumferential space, and said inserts having a tapered end complemental to a tapered bore of said gland nut.

2,424,068
PROCESS FOR MOTHPROOFING FURS
David Traill, Ardrossan, and Andrew McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 12, 1942, Serial No. 430,694. In Great Britain March 21, 1941
6 Claims. (Cl. 8—94.14)

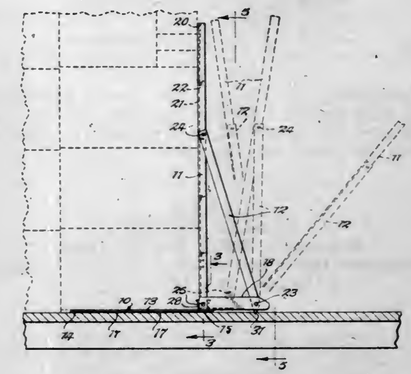
1. A method of mothproofing furs which comprises immersing the furs for a period of at least 16 hours in a bath comprising between 2 and 3 per cent of 40 per cent formaldehyde and between 3 and 4 per cent of 31 per cent hydrochloric acid in a saturated solution of common salt.

2,424,069
VOICE OPERATED SWITCH FOR A DUPLEX SYSTEM
Otto Tschumi, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application July 16, 1945, Serial No. 605,402
In Switzerland October 21, 1944
2 Claims. (Cl. 179—1)



1. In a duplex system for loud traffic, a loudspeaker circuit, a microphone circuit, control contacts in said circuits for connecting and disconnecting the loudspeaker and the microphone, a differential relay connected in between said circuits, a relay for operating said contacts, an additional circuit including the contact operating relay, and control contacts in the additional circuit operated by said differential relay.

2,424,070
PORTABLE BULKHEAD
Frederick E. Welsh, Springwater, N. Y.
Application June 1, 1944, Serial No. 538,294
8 Claims. (Cl. 105—369)

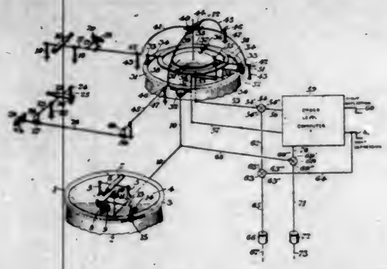


1. In a portable bulkhead having a base member adapted to lie approximately horizontally at least in part on the floor and a member held upright on said base, the improved construction comprising means releasably connecting the lower end of said upright member to said base between the ends of the latter, and a normally inclined brace pivotally connected adjacent its upper end to said upright member and adjacent its lower end to said base at a point spaced rearwardly from said upright member, the lower end of said upright member when released from the base being shiftable to a position adjacent the pivotal connection between said brace and said base, and when so shifted said upright member being free to swing with said brace on the base either rearwardly or forwardly and downwardly from its normal upright position.

2,424,071
APPARATUS FOR GUNFIRE CONTROL
Waldo W. Willard, deceased, late of Schenectady, N. Y., by Cora Buck Willard, executrix, Schenectady, N. Y., and Raymond E. Crooke, Little Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 7502
6 Claims. (Cl. 89—41)

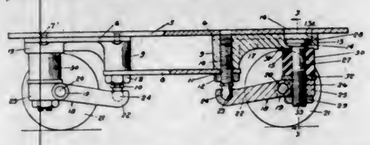
1. In apparatus for compensating for errors in the aiming of a gun due to cross level of a ship on which the gun is mounted, the combination of a device settable in accordance with a selected value of the roll of the ship, means for continuously determining the pitch of the ship, means for continuously determining the relative bearing of a target, means under the control of said device and both said means for converting the selected value of the roll and the continuously determined pitch into components of level and cross level for the relative bearing of the target, mechanism

operable in part in accordance with the value of the cross level component for computing the correction in the aim of the gun to compensate for errors due to cross level, means for transmitting



the correction to the gun and means associated with said device whereby the gun may be fired when the roll of the ship corresponds to that for which the device has been set.

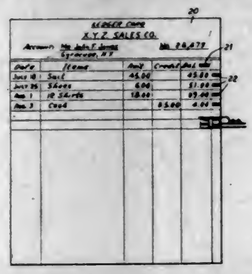
2,424,072
ROLLER SKATE
Samuel M. Allred, Dayton, Ohio
Application December 18, 1944, Serial No. 568,627
6 Claims. (Cl. 280—11.28)



3. In a roller skate, a hanger adjacent one end of said skate, a downwardly extending stud rigid with the inner portion of said hanger, a truck frame comprising means for supporting a roller axle, an arm extending inwardly from said axle supporting means and pivotally connected with said stud, and an arm extending outwardly from said axle supporting means, an elongate member rigidly secured to said outwardly extending arm adjacent said axle supporting means and extending upwardly therefrom, means for so connecting the upper end of said elongate member with said hanger that the latter may move lengthwise of said elongate member and may tilt about an axis extending lengthwise of the skate, and that said elongate member may move about its longitudinal axis with relation to the hanger in all positions of the latter with relation thereto, and a yieldable element arranged about said elongate member and confined between said outwardly extending arm and said hanger.

2,424,073
RECORD FEEDING DEVICE
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 15, 1939, Serial No. 309,445, now Patent No. 2,366,827, dated January 9, 1945. Divided and this application March 4, 1944, Serial No. 525,112
7 Claims. (Cl. 197—127)

5. In a machine for printing and feeding a ledger sheet bearing an area of a frictional coefficient differing from that of the surface of said sheet, said area being positioned relative to the first item print receiving line on said sheet, a member resting on said sheet in the path of said area and sensitive to the frictional nature of the surface of said sheet, said member being shifted relative to a normal position by said frictional

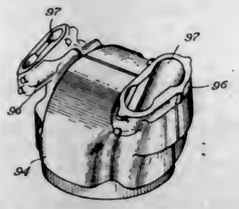


area when the sheet is moved relative thereto to a predetermined extent, means for moving said sheet and member relative to each other, and means under control of said member for stopping operation of said shifting means when the sheet is in position to receive a first line of print.

2,424,074
TALL OIL ESTER RESINS AND THEIR PRODUCTION
Franklin A. Bent and Elbert A. Peterson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 28, 1943, Serial No. 508,060
11 Claims. (Cl. 260—23)

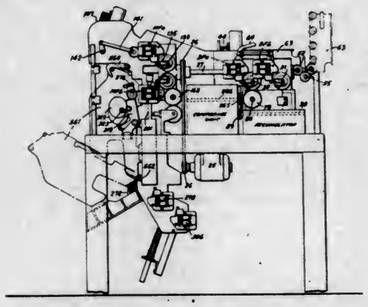
7. A tall oil ester resin prepared by heating tall oil with a polymerized ester of a carboxylic acid and an aliphatic unsaturated monohydric alcohol containing an olefinic linkage between the beta and gamma carbon atoms.

2,424,075
METHOD OF FORGING CYLINDER HEADS
Charles A. Brauchler, Canton, Ohio
Application June 11, 1943, Serial No. 490,407
13 Claims. (Cl. 78—81)



1. The method of making a cylinder head forging with rocker boxes thereon, which consists in heating a metal blank and placing the hot blank between upper and lower dies having complementary cavities shaped to produce the finished cylinder head forging, closing the dies upon the hot blank squeezing the hot metal under extreme, continuous pressure partially forming the outside contour of the cylinder head and partially forming rocker boxes thereon in one operation causing the hot metal of the blank to fill the die cavities with the exception of the top of the upper die cavity and the bottom of the lower die cavity, then while the dies are held closed under pressure, pressing a combustion recess in the end portion of the forging opposite to the rocker boxes causing the blank to expand toward the dies to completely fill the top and bottom of that end portion of the die cavities and piercing the partially formed rocker boxes of the hot forging causing the hot metal to completely fill the entire die cavities and completely form the rocker boxes thereon.

2,424,076
ALPHABETIC INTERPRETER
Eugen Buhler, Cedar Grove, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 27, 1943, Serial No. 515,720
38 Claims. (Cl. 101—93)

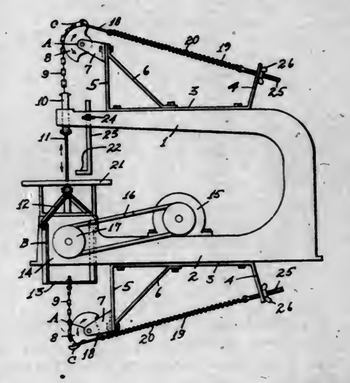


1. In a printing machine, master and detail record card sensing devices, master and detail feeding means for feeding separate sets of master and detail cards to their respective sensing devices, means controlled by both sensing devices for comparing the master cards with the detail cards, means controlled by the detail card sensing devices for comparing each detail card with the succeeding detail card, printing mechanism settable under control of said sensing devices in response to designations on the master and detail record cards, operating means for said printing mechanism to cause printing on a succession of predetermined lines of the master cards, and means controlled by both said comparing means when the designations on a master card and a detail card are alike and successive detail cards are also alike for rendering said operating means effective to print on said succession of lines, one line for each like detail card.

16. In a machine of the class described, a printing mechanism, means for feeding a master card to said printing mechanism, a stop movable into position to stop the card in printing position, means for differentially adjusting said stop in the direction of movement of the card to select further stopping positions, means for sensing a succession of detail cards arranged in groups, means controlled thereby for causing an operation of said printing mechanism for each detail card sensed, settable means for initially controlling said adjusting means to cause printing from the first detail card to occur on a predetermined line of the master card, and means operative to thereafter control said adjusting means to position the master card to present successive lines, one line for each successive detail card.

23. In a printing machine controlled by record cards having combinational designations arranged thereon in zone and subzone groups, means for sensing the zone and subzone designations in succession, a magnet controlled by said sensing means, a first stop element positioned under control of said magnet to effect a differential setting thereof in accordance with the sensed zone designations, a printing wheel, means for moving said wheel, a stop for the wheel controlled by said magnet to effect a differential setting of said wheel in accordance with the sensed subzone designations, means effective after said stops have been actuated for moving the wheel and said second named stop, said first stop causing differential interruption of said movement to position the wheel for printing the character corresponding to the zone and subzone designations sensed.

2,424,077
CONSTANT TENSION JIG SAW
Harlan S. Carey, Wichita, Kans., assignor to Ernest Lee Carey, Wichita, Kans.
Application December 26, 1944, Serial No. 569,743
3 Claims. (Cl. 143—73)

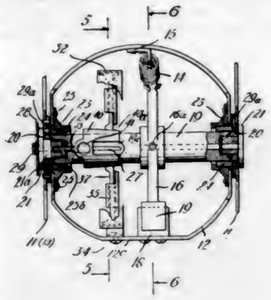


1. In a jig saw, a pair of arms horizontally disposed and spaced apart substantially in parallelism and being joined at one end of their corresponding ends, the other ends being free, a bracket secured to each arm adjacent their free ends, said brackets extending oppositely, a roller sector journalled on each bracket, the arcuate face of the sectors being aligned, means to suspend a saw blade between the sectors to move the blade in a vertical plane reciprocatingly, and power means to actuate the movement of the saw blade, coil springs having one of their ends secured to their respective brackets while the other ends are secured to the sectors to tension the saw blade, said springs being connected to the sectors in such a way as to stretch the saw blade with equal tension at all times as the blade moves from one sector toward the other reciprocatingly, the equal tension being through the principle of loss of purchase at one sector as said spring rocks toward the turning axis of the sector, while the other spring is rocking outward from the turning axis of the other sector and losing its tension simultaneously with the loss of purchase and vice-versa, reciprocatingly, whereby the saw blade is equally tensioned in both directions along its entire movement to avoid pulsative movement as driven.

2,424,078
ARTIFICIAL KNEE AND BRAKE
Douglas M. Connor, Watchung, N. J.
Application May 12, 1945, Serial No. 593,371
5 Claims. (Cl. 3—2)

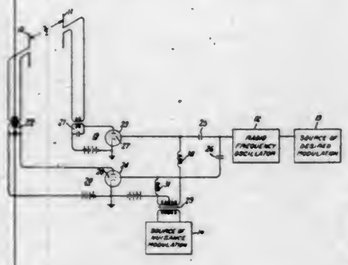
1. An artificial knee and brake assembly in combination with a thigh member and a shin

member, said artificial knee and brake assembly comprising a cup member the open end of which is arranged to be secured to the open end of the thigh member, said knee and brake assembly further comprising a shaft rotatably mounted in said cup member, means arranged to connect the opposite ends of said shaft to the shin member, brake means mounted within said cup member



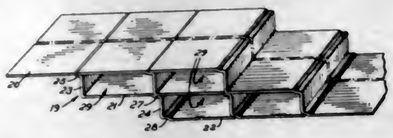
including a brake band the ends of which are fixedly secured to said cup member, radially reciprocable brake shoe means cooperating with said brake band, and means carried by said shaft and movable axially relative thereto for adjusting the radial position of said radially reciprocable brake shoe means with respect to said brake band.

2,424,079
SYSTEM OF COMMUNICATION
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 19, 1943, Serial No. 483,600
9 Claims. (Cl. 250—11)



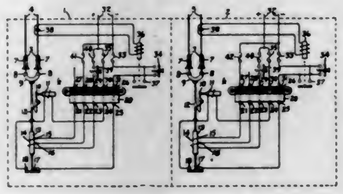
1. A radio communication system comprising transmitting means and receiving means including an antenna, said transmitting means comprising means for transmitting a desired signal, and means for transmitting a nuisance signal in all directions except substantially along a predetermined line, said receiving means comprising a first circuit tuned to the frequency of the desired signal, said receiving means also including a second circuit tuned to the frequency of the nuisance signal, means for impressing the received signals on said tuned circuits, means utilizing said second circuit for rendering inoperative said first circuit in the presence of any substantial nuisance signal whereby said first circuit is operative only when said receiving antenna is located substantially on said line.

2,424,080
STRUCTURAL UNIT AND CELLULAR CONSTRUCTION MADE THEREWITH
Ernst F. Engstrom, Chicago, Ill.
Application February 12, 1945, Serial No. 577,418
10 Claims. (Cl. 189—34)



1. In combination, an assembly of structural units each of which comprises a partition panel having webs extending in respective opposite directions from the opposite edges of the panel, said panel having the corner at the juncture of one of the webs therewith formed with a rabbet groove offset from the plane of the panel to form a shoulder spaced from said corner, and the corner at the juncture with the ramaining web substantially abutting against said spaced shoulder within the rabbet groove of a companion unit, whereby in the assembly the partition panels lie substantially coplanar and mutually cooperate for transmitting thrust in the plane of the partition.

2,424,081
INTERCHANGEABLE ELECTRIC SWITCHGEAR
Francis E. Fairman, Jr., South Ardmore, Pa., assignor to General Electric Company, a corporation of New York
Application October 17, 1944, Serial No. 559,063
7 Claims. (Cl. 175—294)



1. In combination with a plurality of electric control stations each including a set of terminals, an electric circuit connected to each of said sets of terminals, a unit including an electric circuit breaker adapted to be connected with the set of terminals associated with any one of said control stations to control the associated electric circuit, a first of said electric circuits being such as to require frequent operation of an associated circuit breaker at normal current and voltage, a second of said circuits being such as to require infrequent operation of an associated circuit breaker at abnormal current and voltage, operating means for moving said circuit breaker to the closed position, means associated with the control station including the set of terminals connected to said first electric circuit for causing said operating means to apply a reduced closing force to said circuit breaker when associated with said first electric circuit, and means associated with the control station including the set of terminals connected to said second circuit for causing said operating means to apply an increased closing force to said circuit breaker when associated with said second electric circuit, whereby said circuit breaker may be associated with either one of said control stations and automatically have the proper closing force applied thereto in accordance with the circuit being controlled.

2,424,082
ALUMINA LOW SILICA REFRACTORY
Theodore Estes Field, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application April 10, 1945, Serial No. 587,615
4 Claims. (Cl. 106—57)

1. A heat cast refractory composed of indigenous crystals in an amorphous matrix and analytically containing 45% to 92% alumina, 1.9% to 40% zirconia, 1.5% to 5% silica, 1.4% to 7% magnesia, 0% to 3% alkali metal oxide, 0% to 3% iron oxide and 0% to 5% titania, the total percentage of said ingredients being at least 95%.

2,424,083
SUPPORTED SILVER CATALYST
Harry de V. Finch, Berkeley, Calif., and Ingolfur Bergsteinsson, Billings, Mont., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,428
7 Claims. (Cl. 252—204)

1. A catalyst consisting essentially of a granular porous support material and an adherent, uniform, pellicular deposit of silver metal formed upon and in the presence of said support material by the action of a reducing agent upon an ammoniacal solution of silver nitrate and sodium hydroxide.

2,424,084
PROCESS FOR THE MANUFACTURE OF OLEFIN OXIDES
Harry de V. Finch, Berkeley, Calif., and Ingolfur Bergsteinsson, Billings, Mont., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,429
8 Claims. (Cl. 260—348.5)

1. A process for the production of ethylene oxide by the direct catalytic oxidation of ethylene which comprises reacting ethylene with oxygen employed in excess of the stoichiometric amount necessary to combine with the ethylene and effecting the reaction at a temperature of between about 200° C. and 360° C. and in the presence of a catalyst essentially comprising a substantially inert support material and an adherent, uniform, pellicular deposit of silver metal formed upon and in the presence of the support material by mixing granules of the said support material with an aqueous solution of silver nitrate, adding ammonium hydroxide to the resulting mixture in an amount substantially only sufficient to dissolve any silver-containing precipitate caused by the addition of the ammonium hydroxide to the silver nitrate solution, introducing an aqueous sodium hydroxide solution into the said mixture in an amount sufficient to precipitate the silver in the form of silver oxide, adding ammonium hydroxide in an amount substantially only sufficient to redissolve the silver and maintain it in solution, reacting said solution with a glucose solution for a period of time sufficient to effect the formation of an adherent, uniform, pellicular deposit of silver upon the support material, and separating the silvered support material from the reaction mixture.

2,424,085
SUPPORTED SILVER CATALYST AND ITS PREPARATION
Ingolfur Bergsteinsson, Billings, Mont., and Harry de V. Finch, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,430
8 Claims. (Cl. 252—204)

1. A catalyst composition consisting essentially of particles of a material selected from the group consisting of silicon, silicon carbide and silicon-silicon carbide mixtures, and an adherent pellicular deposit of silver metal formed upon and in the presence of said particles by the action of a reducing agent upon an ammoniacal solution of a silver salt and a strong base.

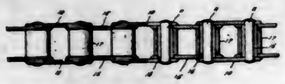
2,424,086
PRODUCTION OF OLEFIN OXIDES
Ingolfur Bergsteinsson, Billings, Mont., and Harry de V. Finch, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,431
9 Claims. (Cl. 260—348.5)

1. A process for the production of ethylene oxide by the direct catalytic oxidation of ethylene which comprises reacting ethylene with oxygen employed in excess of the stoichiometric amount necessary to combine with the ethylene and effecting the reaction at a temperature of between about 200° C. and 360° C. and in the presence of a catalyst essentially comprising a substantially inert support material which comprises silicon carbide and an adherent, uniform, pellicular deposit of silver metal formed upon and in the presence of the support material by mixing granules of the said support material with an aqueous solution of silver nitrate, adding ammonium hydroxide to the resulting mixture in an amount substantially only sufficient to dissolve any silver-containing precipitate caused by the addition of the ammonium hydroxide to the silver nitrate solution, introducing an aqueous sodium hydroxide solution into the said mixture in an amount sufficient to precipitate the silver in the form of silver oxide, adding ammonium hydroxide in an amount substantially only sufficient to redissolve the silver and maintain it in solution, reacting said solution with a glucose solution for a period of time sufficient to effect the formation of an adherent, uniform, pellicular deposit of silver upon the support material, and separating the silvered support material from the reaction mixture.

2,424,087
CHAIN
Arthur E. Focke and George G. Mize, Indianapolis, Ind., assignors to Diamond Chain and Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application July 26, 1940, Serial No. 347,612
25 Claims. (Cl. 74—251)

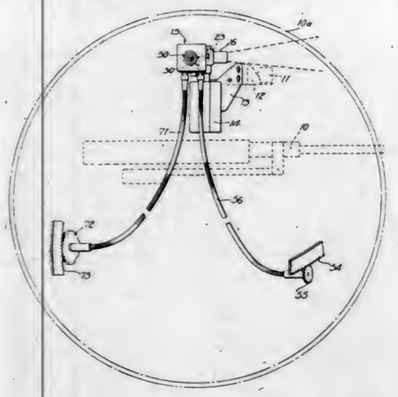
1. In a power-transmission chain, a series of pin links each comprising a pair of side plates provided with alined holes and pins received in

such holes, the fit of the pins within the side-plate holes being materially tighter than necessary to prevent movement of the pins in the side



plates during operation of the chain, the holes in the side plates being enlarged to final size by drifting prior to assembly.

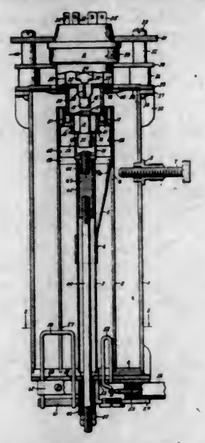
2,424,088
EDUCATIONAL DEVICE FOR AERIAL GUNNERS
Frank J. Furman, Endicott, and Eugene J. Lamb, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 2, 1945, Serial No. 575,866
4 Claims. (Cl. 35—25)



1. In an apparatus of the class described having a gun mounted for movement in azimuth and elevation and an optical system aligned with the gun, the combination of a reticle configured to conform to the surface of the segment of a sphere coaxial with the objective lens of the optical system, the surface of said segment being tangential to the focal plane of the optical system, and means responsive to azimuth and elevational movement of the gun for moving said reticle universally about the spherical axis.

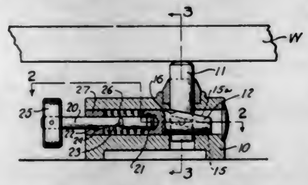
2,424,089
ULTRA HIGH FREQUENCY AMPLIFIER
Richard B. Gethmann, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 18, 1944, Serial No. 564,091
7 Claims. (Cl. 179—171.5)

2. An ultra high frequency modulator comprising a pair of cavity resonators, an electric discharge device having an anode, a cathode and a grid, means coupling said anode and grid to one of said cavity resonators, means connecting said grid and anode to the other of said resonators, means for impressing a high frequency signal between said grid and cathode, means supplying a modulating signal to said grid, means for deriving modulated signals from said one cavity resonator, and means for neutralizing feedback between said circuits due to the interelectrode capacitance of said tube comprising a closed con-



ductive loop coupled to both said resonators at points of maximum current therein.

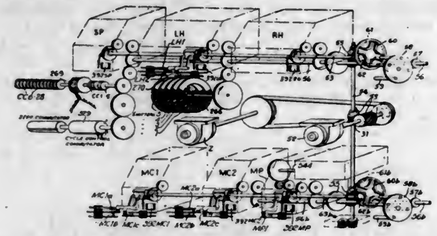
2,424,090
WORK SUPPORT
Ralph E. Gordinier, Detroit, Mich., assignor to Special Engineering Service, Incorporated, Detroit, Mich., a corporation of Michigan
Application June 26, 1944, Serial No. 542,227
2 Claims. (Cl. 90—59)



1. A work support comprising a base, an actuating plunger slidable therein and spring biased in one direction by a relatively light spring, a jack plunger slidable in said base and cooperating inclined surfaces on said two plungers, said cooperating surfaces being at an angle of approximately 10° whereby the actuating plunger forms a solid support for the jack plunger and whereby the spring pressure combined with the angle of said inclined surfaces prevents any reverse motion caused by downward pressure on the work end of the plunger, and a shaft having a swiveling coupling with the actuating plunger by which the said plunger may be withdrawn and the shaft turned to lock the shaft and plunger in withdrawn position by an interlock with the base.

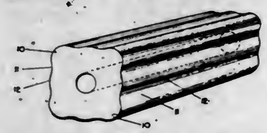
2,424,091
RECORD CONTROLLED DIVIDING MACHINE
Francis E. Hamilton, Endicott, and Benjamin M. Durfee, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 9, 1944, Serial No. 567,420
6 Claims. (Cl. 235—61.6)

1. In a dividing machine, means settable to represent a divisor, means settable to represent a dividend, a series of reciprocal representing devices, one for each of a series of possible divisors, multiplying mechanism having factor and product representing devices, means controlled by the divisor settable means for selecting from said series of reciprocal representing devices the one corresponding to the two highest significant orders of the divisor, computing mechanism comprising multiplying and cross-adding mechanism, means for entering therein the selected reciprocal and the divisor, said computing mech-



anism including a result manifesting device in which said multiplying and cross-adding mechanisms build up the selected reciprocal to the value of the true reciprocal of the divisor, means for ascertaining when the computed reciprocal has been built up to a desired degree of proximity to the true reciprocal and means controlled thereby for causing entry of the computed reciprocal and the dividend into said multiplying mechanism and for causing an operation thereof to obtain the quotient of the entered factors.

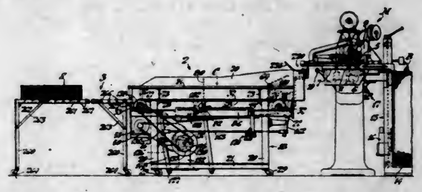
2,424,092
DRILL STEEL ROD
Charles Percy Hammond and Allister McKenzie Cameron, Welland, Ontario, Canada, assignors to Atlas Steels Limited, Welland, Ontario, Canada, a company of Canada
Application July 25, 1945, Serial No. 606,900
1 Claim. (Cl. 76—108)



A drill steel rod having at least four sides of equal width disposed at an angle to one another and having an undulating perimeter of a series of concave convex curves of equal radius, said section having a dimension measured along the diagonals extending transversely of the rod between opposed corners thereof greater than standard rods of equal side width and angular relation which have substantially flat surfaced corners, said greater dimension being equal to twice the difference between a chord theoretically drawn from the terminal ends of said rounded corners and the periphery of the curve of said rounded corner at its point of intersection with said diagonal.

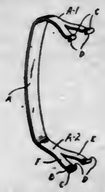
2,424,093
APPARATUS FOR STACKING AND TRANSPORTING OBJECTS
George H. Harred, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application February 11, 1944, Serial No. 522,012
8 Claims. (Cl. 93—93)

1. An apparatus of the type indicated comprising a continuously moving conveyor, a compartment for containing sheet-like objects in stacked relationship above the conveyor and provided with a movable side, means for supporting the objects in the compartment, means for normally maintaining the movable side of the compartment in closed relationship, means for automatically counting the objects as they are stacked individually in the compartment, and means actuated by the last object of a series as it is stacked in the compartment to open the movable side thereof and lower the supporting means to permit the completed stack of objects to be delivered onto the conveyor.



6. An apparatus of the type indicated comprising a continuously moving conveyor, a compartment for containing sheet-like articles in stacked relationship adjacent the conveyor, means normally operative to withhold the articles from movement with the conveyor, means operable after a predetermined number of articles have been stacked in the compartment for releasing the withholding means to permit the completed stack to engage the conveyor and be transported thereby, and means operable as the stack commences its travel with the conveyor for maintaining the stacked articles in substantial alinement.

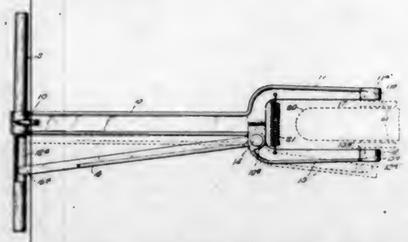
2,424,094
DETACHABLE HANDLE
Vincent A. Herr, Collinsville, Ill.
Application September 7, 1944, Serial No. 553,079
1 Claim. (Cl. 16—114)



A resilient, substantially D-shaped handle formed of a single piece of resilient strip metal, each end of the handle being bifurcated and with the furcations at each end in divergent relation to each other, each furcation being provided with a somewhat V-shaped hook end, the divergence of the ends being such that they are spaced apart a distance substantially exceeding the width of the strip, said hook ends each adapted to overlie and to grip the chimes or beads of an end bead container, whereby the handle may be readily attached to and removed from a standard tinned can to enable use of the can as a drinking container or the like when one end thereof is removed, the handle being when detached, of less length than the overall height of the can, whereby, when the handle is applied, it is yieldably stressed lengthwise of the can for retention of the hook ends in gripping relation to the beads at the end of the can, the handle being characterized by upper and lower arms extended outwardly from

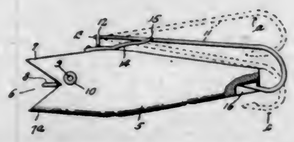
the bifurcated portions at a distinct angle to the side wall of the can, at each end thereof, and the arms being connected by a uniformly and widely curved, outwardly bowed manual grip portion, the length of which approximates the length of the can, and all parts of the manual grip portion being, by reason of the length and angle of the said arms, spaced distinctly away from the body of the can to which the handle is connected.

2,424,095
TOWING BAR
Arthur Horton, Chicago, Ill.
Application May 11, 1945, Serial No. 593,303
7 Claims. (Cl. 280—47)



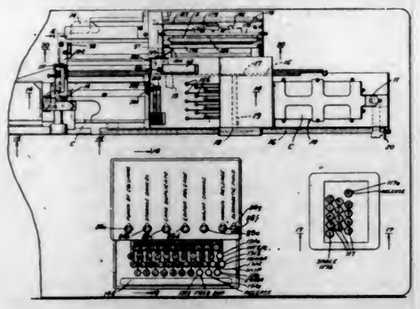
7. A towing bar for an airplane or other vehicle having a swivelably mounted wheel, including: an elongated body portion; pulling means at one end of the body portion, this means comprising a transverse handle member and connector means for power towing; jaw members at the other end of the body portion adapted to engage a part of the mounting of said wheel, one jaw member being pivotally mounted on the body portion and the other jaw member being rigidly mounted thereon; manually operable lever means for moving the pivotally mounted jaw member, the lever means having one end rigidly connected to the jaw member moved thereby and the other end adjacent said handle member, the construction and arrangement being such that a hand positioned on the handle member is adapted to hold the lever means in a position maintaining the jaw members in operative engagement with the wheel mounting; and spring means urging said jaw members together.

2,424,096
ARTIFICIAL BAIT
Francis Janchan, Milwaukee, Wis.
Application October 18, 1944, Serial No. 559,271
3 Claims. (Cl. 43—39)



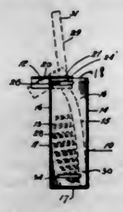
2. An artificial bait comprising an elongated body having a narrow longitudinal recess in the under side of its tail portion, a fishing hook having the free end of its shank loosely pivoted upon the body near the head end of the latter for substantially universal movement, and a spring mounted on the body and engaged with the shank of the hook, said spring being tensioned to elevate the hooked end of the fishing hook above the tail end of the body when said hooked end is disengaged from the recess, said spring comprising a spring strip having an upwardly and rearwardly extending free end portion terminating in a bifurcated end, the shank of the hook being received between the furcations of said bifurcated end.

2,424,097
PUNCHING MACHINE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 5, 1945, Serial No. 614,505
22 Claims. (Cl. 164—113)



1. In a card punching machine having mechanism for feeding a card step by step past a row of punches, and operating means for the punching, each punch operation causing a stepping of the card, in combination with a storage mechanism settable to represent data to be punched, a pattern card perforated to represent data to be punched, means controlled by the storage mechanism for controlling the operating means of the punches to punch data in successive card columns, a control element coordinated with the card feeding mechanism, means controlled by the control element when a predetermined card column is in punching position for interrupting control by said storage mechanism and initiating control of punching by the pattern card, and further means controlled by said control element when a subsequent predetermined card column is in punching position for interrupting control by said pattern card and initiating control of punching by the storage mechanism.

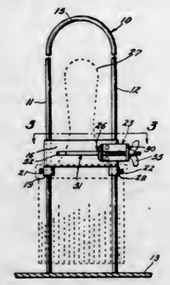
2,424,098
TOOTHBRUSH HOLDER
Thomas Kaskouras, Chicago, Ill.
Application March 23, 1946, Serial No. 656,618
1 Claim. (Cl. 206—15.1)



A toothbrush holder comprising a body member having front, back and side portions and an open top and an open bottom, an overlapping

member having right angle flanges attached to the front and back portions of said body member and extending slightly below the open bottom of said body member for substantially closing the same, but leaving small air ventilation openings below the side portions of said body member, said open top of a size to accommodate a tooth brush head, a closure having opposite flanges engaging the upper part of said container portion, said closure having a top portion with an opening, substantially the size of a tooth brush handle, said upper part of said container portion having opposite slots and a rod extending through said slots and attached to said flanges, said closure slidable on said container portion to closed position to hold the head of a tooth brush inserted within said container portion, said closure slidable to open position upon receipt of outward pressure from the handle of the tooth brush to permit withdrawal of the tooth brush head.

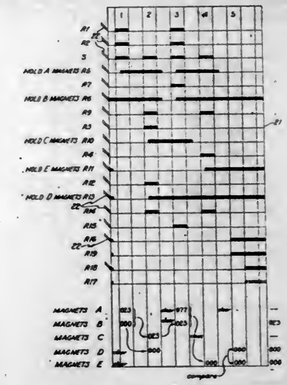
2,424,099
PAINT BRUSH HOLDER
Alfred O. Kell, Cincinnati, Ohio
Application July 27, 1946, Serial No. 686,771
4 Claims. (Cl. 248—110)



1. A paint brush holder comprising an inverted, U-shaped standard having two parallel legs, a plate secured between the legs for longitudinal adjustment on the standard, a bracket fixed to the plate and having a jaw portion extending laterally therefrom, a guide opening formed through the said jaw portion, a cooperating jaw member having a longitudinal shank portion extending through the opening, and means on the bracket and the cooperating jaw member for clamping the jaw members about a paint brush handle.

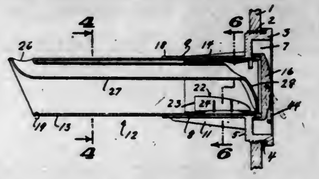
2,424,100
RELAY TYPE ADDING AND RESULT CHECKING MACHINE
William Lang, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 10, 1944, Serial No. 562,756
5 Claims. (Cl. 235—61.7)

4. In a computing apparatus, a relay adding chain settable to represent two amounts therein, an entry receiving device initially set to represent an amount and initially causing said amount to be set on the relay adding chain, a source of data representative of an amount to be added to said initially set amount, means controlled by said source for causing setting of the second amount on said adding chain, a second entry receiving device, means effective after said entry of the second amount for causing the adding chain to enter the sum of the two amounts therein into said second device, a comparing mechanism arranged to receive two amounts and effect comparison thereof, means also effective after said entry of the second amount for causing said first device to enter the initial entry therein into said comparing mechanism, means for thereafter clearing the adding chain and reentering therein



the sum in the second device and also entering therein the amount from the source in the form of a complement, means thereafter effective for causing the adding chain to enter the sum of such last two entries into the comparing mechanism, and means controlled by the comparing mechanism for indicating the relationship between the two sums entered therein.

2,424,101
VALVED, SLIDABLE DISCHARGE TUBE
Ray Voir Larl, San Francisco, Calif.
Application May 15, 1943, Serial No. 487,114
12 Claims. (Cl. 222—519)

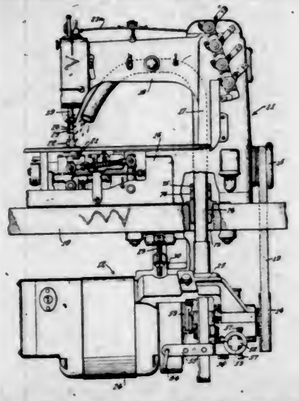


1. In combination, a plug for a container hole having a bearing therein, a sleeve slidable in the bearing, the sleeve being open at its inner end and having a discharge opening near its outer end, a grid within the sleeve over the discharge opening, and a valve member revolvable upon its outer end and having a port adapted for movement into and out of registry with the discharge opening.

2,424,102
SEWING MACHINE
Harold J. Le Vesconte, Glendale, Calif., and Albert M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1944, Serial No. 534,718
8 Claims. (Cl. 112—218)

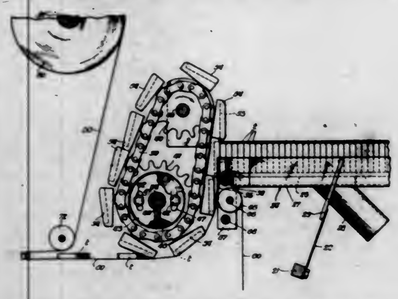
1. In apparatus of the class described a supporting structure, a sewing machine mounted on said structure, a motor and clutch unit carried by said structure beneath said sewing machine,

said unit having a frame and a shiftable driven shaft, a bearing sleeve for said driven shaft carried by a portion of said frame, said sewing machine having stitch forming devices including a reciprocable needle, means including a pulley secured to said shaft adjacent one end of said bearing sleeve said pulley being readily accessible for the application and removal of an endless belt for connecting said unit with said machine



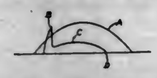
for driving said stitch forming devices, and needle cooling means comprising a blower and a conduit leading therefrom to the region of said needle, said blower having a housing fixedly secured to said portion of said frame and partly enclosing the end of said bearing sleeve remote from said one end thereof and a rotor mounted for axial adjustment on the driven shaft of said unit within said housing.

2,424,103
CONVEYOR FOR PACKAGING MACHINES
Frederick A. Lobley, William T. Williams, and Walter E. Lowell, Elkhart, Ind., assignors to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application October 16, 1943, Serial No. 506,562
5 Claims. (Cl. 198—35)



1. In a packaging machine, a feed trough, means for vibrating said trough for feeding therealong substantially continuously and at a predetermined rate articles to be packaged toward the discharge end of said trough, and feed means comprising members moving across the discharge end of said trough having recesses adapted for reception of the individual articles and travelling in a rectilineal path leading away from the discharge end of said trough and at approximately the same rate as the travel of said articles along said trough.

2,424,104
ELECTRIC CIRCUITS
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1942, Serial No. 466,603
7 Claims. (Cl. 175—363)



1. In combination, an alternating-current supply circuit, a load circuit, electric translating apparatus interconnecting said circuits and comprising electric valve means including an anode, a cathode, arc-ignition means, and a relieving anode, an excitation circuit connected to said ignition means and a connection between a point on said excitation circuit and said relieving anode, said excitation circuit includng a saturating reactance element which is saturable at a predetermined point in the voltage wave of said alternating current circuit to produce an impulse of current through said excitation means to establish a cathode spot, and means independent of said peak-producing reactance element for impressing on said excitation circuit a voltage having a predetermined timed relationship with respect to said peak and a substantially greater duration than the duration of said peak, the connection between said excitation circuit and said relieving anode being effective to transfer the current from said excitation means to said relieving anode upon the formation of a cathode spot.

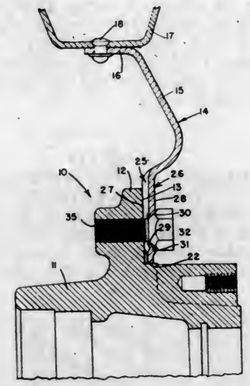
2,424,105
STRAIGHT BAR KNITTING MACHINE
William Gordon MacDonald, Loughborough, England, assignor to William Cotton Limited, Loughborough, England
Application May 10, 1946, Serial No. 668,828
In Great Britain March 14, 1945
Section 1, Public Law 690, August 8, 1946.
2 Claims. (Cl. 66—130)



1. In or for a Cotton's patent or other straight bar knitting machine, the combination, with a carrier or carrier rod, of a driving lug having a recess for the reception of a driving bolt which recess has at least one of its walls spring-mounted to yield under pressure of the bolt when heavy resistance is encountered.

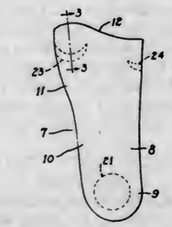
2,424,106
REVERSIBLE WHEEL
Maurice J. Martens, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 10, 1945, Serial No. 633,958
6 Claims. (Cl. 301—9)

1. A reversible wheel comprising a hub having a radially extending flange defining a substantially planar supporting surface provided with a plurality of circumferentially spaced openings, a pressed metal wheel body having an annular supporting zone adapted to lie against said hub flange with either face of said zone against said planar surface providing two relatively reversed positions of said wheel body, respectively, said wheel body having circumferentially spaced protruding areas in said zone offset axially in one direction to provide spaced bearing faces in contact with said hub flange supporting surface in one of said positions of said wheel body, the portions of said supporting zone intermediate said protruding areas providing spaced bearing faces in contact with said hub flange supporting surface in the other of said positions of said wheel body, each of said protruding areas and each intermediate portion of said zone being provided



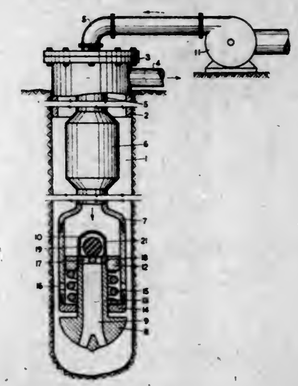
with an aperture, certain of said apertures being adapted to register with said hub flange openings in each of said positions of said wheel body, and securing means adapted for insertion through the apertures in those of said bearing faces which are not in contact with said hub flange and into the openings, in register therewith, to clamp the spaced bearing faces in contact with said supporting surface and flex said supporting zone between the bearing faces.

2,424,107
SHOE INSOLE CONSTRUCTION
John H. McCahan, Canton, Ohio
Application October 18, 1945, Serial No. 623,043
4 Claims. (Cl. 36—71)



1. A shoe insole including a heel portion and a front portion, said front portion having its front edge shaped to lie under the region of the phalangal-metatarsal joints of a foot supported by said insole, means on the heel portion for adhesively attaching it to a shoe sole, and a crescent-shaped pad located on said insole so as to be partially surrounding and spaced behind the region below the sesamoids of the first metatarsal bone of said foot.

2,424,108
HYDRAULIC RAM SYSTEM
Eugen Merten, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 31, 1943, Serial No. 489,241
2 Claims. (Cl. 253—17)

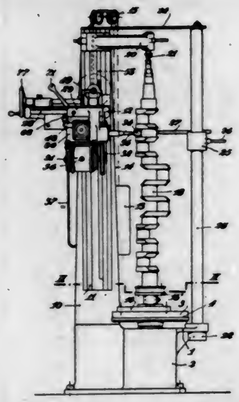


2. A high-frequency hydraulic ram system, comprising a conduit, pump means connected to one end of said conduit capable of maintaining a unidirectional liquid flow from said pump through said conduit, a cylinder in communication with said conduit at its other end, a piston adapted for displacement with regard to said cylinder in response to hydraulic ram impulses, a valve seat bridging said conduit, said valve seat having a concave upstream face, a convex resilient member positioned centrally of said concave face and affixed thereto, restricted passage means through said valve seat laterally of said elastic member for creating between the upstream and downstream sides of said valve seat a unidirectional differential pressure as a function of the unidirectional liquid flow rate in said conduit, and a resilient ball member loosely confined adjacent the upstream side of the valve seat, said resilient ball member being capable of being cyclically deformed by said unidirectional differential pressure against said seat to close suddenly said passage means, thereby generating a hydraulic ram impulse, and of returning to its unstressed shape during the short duration low pressure period following said impulse, whereby the cycle is repeated and high frequency hydraulic ram impulses are generated by the system, the frequency of said impulses depending on the shape of the convex resilient member and on the hardness of the ball.

2,424,109
CRANKSHAFT GRINDING MACHINE
Jules Miesse, Brussels, Belgium
Application September 5, 1946, Serial No. 694,883
In Belgium September 29, 1945
6 Claims. (Cl. 51—131)

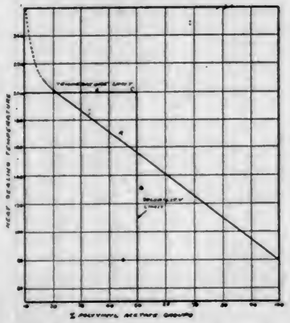
1. In a crankshaft grinding machine, a base, a horizontal rotatable plate on the said base, means on the said plate for centering and fixing the crankshaft to the ground in the vertical position, an electric motor supported by the said base, a V-belt transmission for connecting the said motor to the said plate, a standard secured onto the said base, vertical slides associated with the said standard, a head stock for being fixed in an adjustable position on the said slides and for

supporting the end of the stock to be ground, a sliding carriage on the said slides, a counterweight for balancing the said carriage, a linking member for connecting the said carriage to the said counterweight, means associated with the



said carriage for operating the vertical movements of the latter along the said slides, a grinding device suspended for rocking motion on the said carriage, and means for moving the grinding device radially with respect to the axis of the stock to be ground.

2,424,110
HEAT SEALING WITH PARTIALLY HYDROLYZED POLYVINYL ACETATE
George Osman Morrison and Thomas Patton Gladstone Shaw, Shawinigan Falls, Quebec, Canada, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 9, 1942, Serial No. 465,064
In Canada August 27, 1942
6 Claims. (Cl. 154—138)

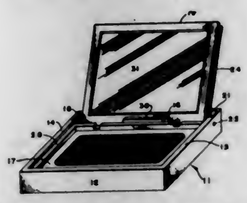


1. A container of sheet cellulosic material, closely juxtaposed areas of said sheet material being bonded together by a fused layer of a partially hydrolyzed polyvinyl acetate resin having a polyvinyl acetate content within the range from 20% to 50% by weight to form a bond between said sealing areas having an adhesive strength such that stresses tending to separate the united parts cause tearing of the material of said parts in preference to rupture of said bond.

2,424,111
CERAMIC PRODUCTS
Louis Navias, Schenectady, and Robert L. Green, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application July 27, 1943, Serial No. 496,346
9 Claims. (Cl. 106—39)

8. Moldable compositions consisting by weight of at least about 70 per cent of a refractory titanium compound, the remainder being a mixture of clay and fluoride chosen from the group consisting of alkaline earth fluorides and lead fluoride, said composition being capable of heat conversion to a dense, non-porous structure in which glassy inclusions are substantially absent and which is characterized by low power factor and low hygroscopicity.

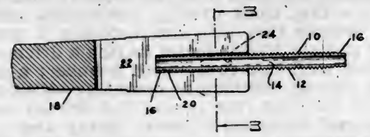
2,424,112
SLIDEABLE AND PIVOTED COVER FOR CONTAINERS
Charles Nehrke, New York, N. Y., assignor of one-half to Peter Copeland, New York, N. Y.
Application June 6, 1945, Serial No. 597,726
2 Claims. (Cl. 220—38)



1. A container having a bottom, side, front and rear walls, a transvarse dividing partition forming a compact compartment at the front portion of the said container and a smaller hinge-containing compartment at the rear end of said container, a cover slideably mounted in the side walls of said container, a carrier member pivotally mounted in said rear compartment and having clip formations upon its opposite ends slidably engaged with the sides of said slideable cover, a tension spring attached to the under side of said carrier member and to the base of said container to normally exert a pressure upon the said carrier member to swing same about its pivotal connection with the said container; the said spring being arranged to tilt the said carrier member and the attached slideable cover when the said cover is moved backward to a point where the front edge of same passes the said dividing partition, and a stop within the hinge containing compartment arranged to engage the lower front edge of the said cover to limit its tilting movement.

2,424,113
TAP AND HOLDER THEREFOR
Harold Norberg, Detroit, and Hugo Smith, Pleasant Ridge, Mich., assignors to Plan-O-Mill Corporation, Hazel Park, Mich., a corporation of Michigan
Application August 30, 1946, Serial No. 694,088
1 Claim. (Cl. 10—141)

A tapping tool comprising an externally tapered chuck adapted to be engaged in an internally tapered machine spindle, said chuck having a cylindrical recess concentric to said tapered portion and having a stop therein, said chuck also being longitudinally split, a tap of uniform diameter having helical threads intersected by longitudinal flutes located in said recess with one end abutting said stop and only its thread crests engaging the sides of said recess whereby contraction of said split walls forming said recess,



when in said spindle, will accurately position said tap concentric to said spindle, and a driving key extending laterally into said recess a distance less than the depth of a flute and engaging in a flute of said tap.

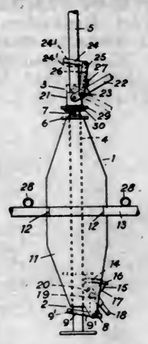
2,424,114
SKIRT
Louis Polakoff, Boston, Mass.
Application April 23, 1946, Serial No. 664,214
4 Claims. (Cl. 2—211)



1. A draped or flared skirt essentially comprising a plurality of circumferentially disposed relatively narrow zones, each zone being substantially coextensive with the length of the skirt, the inside of the skirt having downwardly and outwardly divergent lines of stitching forming tucks sharply defining the border lines of the zones, the material in the major portion of each zone having an outward transverse arcuate convexity extending from border to border, the material of substantially all adjacent zones being continuous and devoid of seams or tucks.

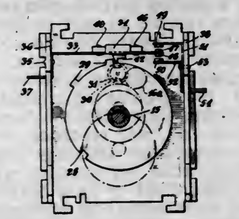
2,424,115
ELEVATING SUPPORT FOR SCAFFOLD PLATFORMS
Archibald Douglas Powell, Braintree, England
Application December 14, 1945, Serial No. 635,090
In Great Britain December 14, 1944
11 Claims. (Cl. 304—18)

1. Apparatus for raising and supporting working platforms used in building and the like, said apparatus being for use in conjunction with tubular steel scaffolding standards, comprising a guide which can slide along a tubular steel scaffolding standard, guide retaining means which grips the standard on which the guide slides, said retaining means being resistant to downward thrust but yieldable to upward thrust, jacking means which scales the standard on which the guide slides, a swivel joint, said swivel joint connecting the jacking means to the guide, and means associated



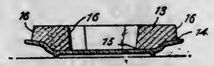
with the guide for securing a working platform thereto.

2,424,116
TIME SWITCH
George O. Puerner, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application September 7, 1944, Serial No. 552,964
7 Claims. (Cl. 200—38)



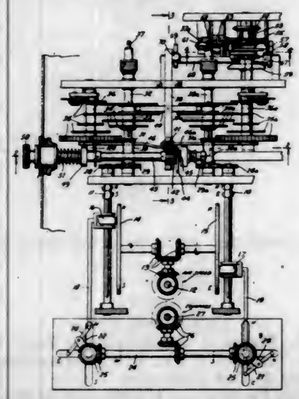
1. A time switch comprising in combination a drive motor, a gear train driven thereby, a cam driven by said gear train, a second cam driven at a different speed by said gear train, a set of electrical contacts under joint control of both said cams, and a set of electrical contacts under individual control of one of said cams.

2,424,117
METHOD FOR DECORATING POTTERY
Albert E. Radford, Canton, Ohio
Application August 3, 1944, Serial No. 547,960
4 Claims. (Cl. 41—32)



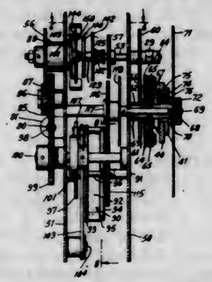
1. The method of decorating chinaware and the like which consists in coloring the entire surface of the ware to be decorated, then placing upon the colored surface a form shaped to fit the contour of the ware, said form being cut out around the outlines of the design to be reproduced, then tracing around the outlines of the form, then removing the form then removing the color from the surface of the ware around and between said traced outlines leaving the design of the form in color upon the ware, and then firing the ware, then tracing the outline of the design with a substance from the group consisting of gold and platinum, and then refiring the ware.

2,424,118
APPARATUS FOR CONTINUOUSLY RECORDING THE PATH OF FLIGHT OF AIRCRAFT
Frederick Q. Rast, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 29, 1943, Serial No. 485,023
6 Claims. (Cl. 234—26)



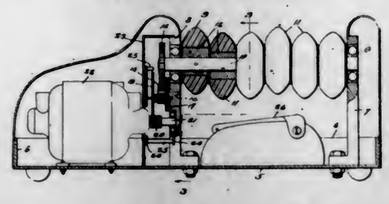
1. A course recorder of the class described, comprising a tracing surface, two rectangular coordinate axes related to said surface, a recorder movable parallel to each of said coordinate axes and in contact with said surface, a component solver operable to resolve a vehicle's movement along said rectangular coordinates normally effective, driving connections between said component solver and said recorder, selectively adjustable in accordance with any one of a plurality of driving ratios, an impulse sending device, and means controlled by said device for causing said driving connections to automatically effect a predetermined driving ratio between the component solver and the recorder.

2,424,119
CLOCK
Frederick Q. Rast, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 18, 1943, Serial No. 487,439
2 Claims. (Cl. 58—26)



1. In a clock, a time indicating element; motion transmitting means for operating said element and comprising a driven shaft; selective clutch mechanism comprising first and second clutch members journaled to rotate about the axis of said driven shaft and being spaced axially from one another, and a clutch element mounted on said driven shaft between said first and second clutch members and being secured to said shaft for rotation therewith and being shiftable axially of said shaft into selective clutching engagement with said first and second clutch members; a first clock driving mechanism operable at a definite time rate and including a synchronous electric driving motor having a driving connection with said first clutch member; a second clock driving mechanism operating continuously and at the same rate as said first driving mechanism and including a power spring and a gear train having a driving connection with said second clutch member for continuously rotating the latter; and current responsive means operable upon a flow of electric current to said synchronous motor to shift said clutch element into clutching engagement with said first clutch member and operable upon a failure in current flow to shift said clutch element into clutching engagement with said second clutch member.

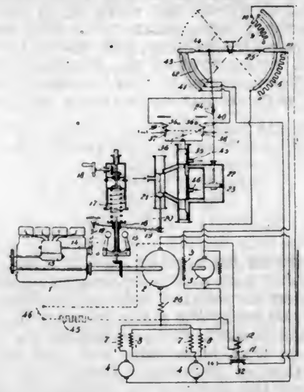
2,424,120
FOOT MASSAGING MACHINE
William Sandow, Livonia, N. Y.
Application September 17, 1946, Serial No. 697,524
1 Claim. (Cl. 128—57)



A device of the class described, comprising an open base, a gear and motor housing, mounted at one end of the base, a main horizontal shaft mounted on the base, one end of the main shaft extending into the housing, a plurality of eccentric bearings secured to the shaft, massaging rollers having concentric bearing openings, mounted on the eccentric bearings, said bearings and rollers being so constructed and arranged that the peripheries of the rollers operate in planes offset with respect to each other as the shaft rotates, a motor and gear in the housing adapted to transmit movement to the shaft, and a foot-actuated switch mounted on the base adapted to control the operation of the motor and shaft.

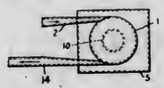
2,424,121
ELECTRIC GENERATING PLANT FOR THE PROPULSION OF VEHICLES
Oskar Schläpfer, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application April 19, 1945, Serial No. 589,106
In Switzerland January 30, 1945
4 Claims. (Cl. 290—17)

1. Plant for propulsion of vehicles comprising an internal combustion engine, a speed governor adjusting the fuel supply to said engine, an electric generator driven by said engine having a field winding and a regulator in the circuit of said field winding, at least one electric driving motor receiving electric power from said generator having a field winding, a counterfield winding and a regulator in the circuit of said counterfield winding and means influenced by the voltage of the generator and interrupting the counterfield current when the voltage of the generator does not reach a predetermined value, said field regulator and counterfield regulator being controlled by the speed governor of the internal



combustion engine, so as to first increase the field of the generator and secondly to weaken the field of the motor by increasing its counterfield.

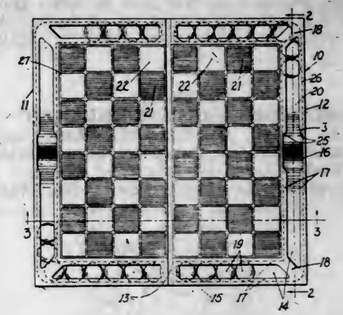
2,424,122
PRESSURE RECOVERY AND GAS CLEANING DEVICE
Fred B. Schneider, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application December 20, 1944, Serial No. 569,096
6 Claims. (Cl. 183—84)



1. Pressure recovery apparatus for a gas cleaning device including a vortex gas cleaner for removing entrained foreign material from said gas and having a centrally positioned tubular outlet, pressure recovery means including a cylinder communicating at one of its ends with said tubular outlet of said cleaner, said cylinder having a length at least twice the diameter thereof, said gas entering said cylinder from said tubular outlet as a vortex with the apex of said vortex adjacent said tubular outlet, and means including a tangentially disposed passage communicating with said cylinder for exhausting said gas from the periphery of said cylinder at a point adjacent the junction of said cylinder and said tubular outlet.

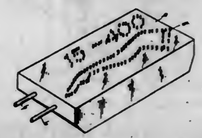
2,424,123
GAME BOARD
Nicholas M. Schruben Chicago, Ill.
Application September 20, 1945, Serial No. 617,552
5 Claims. (Cl. 273—136)

1. A board formed of two hinged sections each having a playing field, each of said sections on the free outer edges thereof provided with channel means of a configuration perimetral with the said board, being further provided with a substantially central mouth portion and retaining lip portions above the said channel means to form a chamber for confining removably the playing pieces used in conjunction with the said board, and spring urged lateral pressure means of quadrant-like configuration constructed and



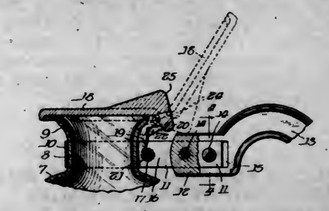
arranged to retain the said playing pieces in the said chamber to prevent free movement thereof.

2,424,124
METHOD OF FORMING DESIGNS IN KNITTED OR WOVEN FABRIC OF SYNTHETIC POLYAMIDE FIBERS SUCH AS NYLON
Elmer F. Seemuller, Philadelphia, Pa.
Application March 20, 1947, Serial No. 736,083
4 Claims. (Cl. 18—56)



1. The method of forming a design in nylon fabric, which comprises enlarging the normal distance between the threads at selected points of the fabric by exerting sufficient pressure against selected portions of the threads at said points to stretch said portions with elements penetrating through the fabric, and subjecting the fabric to heat while said portions are in a stretched condition to set said stretched portions of the threads in their stretched condition.

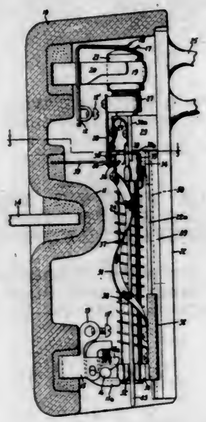
2,424,125
HANDLE
Edward H. Sieling, Chicago, Ill.
Application July 7, 1945, Serial No. 603,711
9 Claims. (Cl. 215—63)



1. A handle for decanters having a neck and comprising a flexible open loop adapted to partially surround the neck of the decanter and terminating in two flexible legs having end portions, a handle grip having an extension disposed between the end portions of the legs, screws for securing the legs to the handle grip extension, and a screw connecting said legs at a point interme-

diate the loop and the extremity of the handle grip extension for tightening the loop upon said neck, the portions of the legs between the loop and the handle grip extension being capable of flexing when the screw is screwed up tightly.

2,424,126
ELECTRIC CIRCUIT BREAKER
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 11, 1940, Serial No. 334,629
39 Claims. (Cl. 200—116)

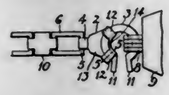


1. In an electric circuit interrupter, a pair of relatively movable current-carrying contacts, means for maintaining said contacts in current-conducting relationship, means for separating said contacts in response to abnormal current conditions, a relatively high-resistance path connected in parallel with said current-carrying contacts and said abnormal current responsive means including a pair of relatively movable arcing contacts, an expulsion tube within which said arcing contacts are arranged to separate, said current-carrying contacts and said arcing contacts being so constructed and arranged that the former separate prior to the latter so that the current carried by said current-carrying contacts is diverted to said relatively high-resistance path to be interrupted subsequently by said arcing contacts.

6. In a load-disconnecting device, the combination of a casing and a door for closing an open side of said casing, a circuit interrupter mounted on said door comprising a pair of relatively movable contacts, latching means for holding said contacts in current-carrying relationship, and means for causing release of said latching means upon opening the door of said casing.

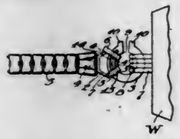
2,424,127
CONNECTOR FOR WRIST-WATCH BRACELETS AND OTHER LINKAGES
Louis E. Valcourt, East Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application September 13, 1944, Serial No. 553,899
2 Claims. (Cl. 59—82)

1. A connector for wrist-watch bracelets, linkages, cords and the like comprising a relatively flat main member having means for permanently attaching it to the end of a bracelet or the like and provided with angularly-related relatively narrow bendable tabs folded rearwardly from its forward side, and an open ring-shaped member provided with rectangular fingers projecting substantially radially from the sides of its opening, said ring-member being adapted to underlie the bottom of the main member with one of the tabs thereof bent down around its circular portion whereby said ring-member may be rotated about its own axis with respect to the main member to



expose its opening for connecting it to the bail of a watch or other part and then rotated in the opposite direction to position both of its fingers in underlying relation to the main member to adapt the unbent tab to be bent down around its circular portion so that both tabs will enclose said circular portion of the ring-member with their edges abutting the sides of its fingers to secure it against turning on the main member and prevent it from releasing the watch bail or other part.

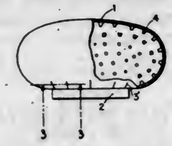
2,424,128
CONNECTOR FOR WRIST-WATCH BRACELETS AND OTHER LINKAGES
Louis E. Valcourt, East Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application April 27, 1946, Serial No. 665,526
3 Claims. (Cl. 59—82)



1. A connector for attaching bracelets, linkages, cords and the like to wrist-watches having relatively narrow loops at their sides comprising a main member for permanent connection with the end of a bracelet, an open ring-shaped member connected to said main member by means on the latter surrounding portions of the ring, said ring-member having fingers projecting at the sides of its opening for engagement with the connecting means on the main member to prevent the ring from rotating about its axis while permitting rotation thereof when one of the connecting means is free from engagement with the ring, and detent-means operative between the main member and the ring-member to permit rotation of the latter to a limited extent to locate its opening in convenient position for insertion through the loop on the watch-case.

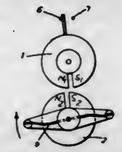
2,424,129
SHAMPOO CAP
Dorothy Vincelle, Oakland, Calif.
Application November 13, 1945, Serial No. 628,077
1 Claim. (Cl. 128—65)

A massage cap comprising a crown member of flexible waterproof material and of a size considerably larger than the head, a base band about the crown to snugly fit the head below the hair, and a plurality of suction cups projecting inwardly from the crown in which each cup is of cylindrical form, with a relatively large shallow



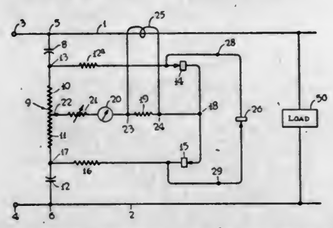
depression in its outer end, and crossed internal slots communicating with said depression.

2,424,130
MAGNETIC DEVICE
Thomas Leslie Wakley, Slough, England, assignor to Ronald Trist & Co. Limited, Slough, England, a British company
Application February 7, 1945, Serial No. 576,679
In Great Britain February 25, 1944
4 Claims. (Cl. 172—284)



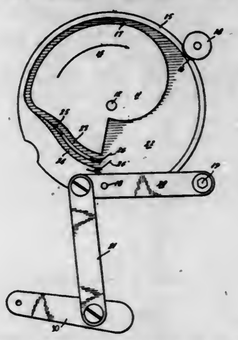
1. An energy-transmitting device comprising a movable actuating magnet having two poles separated by a short gap and an actuated magnet also having two poles separated by a short gap and mounted for reversible movement between two mechanically limited positions, said magnets being mounted so that one gap travels past the other on each reversal of the actuated magnet and so that when the gaps are exactly opposite one another the like poles of the two magnets are opposite one another, driving means for moving said actuating magnet and a resilient driving connection between said driving means and said actuating magnet and providing for yielding relative movement between said driving means and said actuating magnet.

2,424,131
REACTIVE CURRENT INDICATOR
Alan Warnick, Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 4, 1946, Serial No. 645,448
6 Claims. (Cl. 172—245)



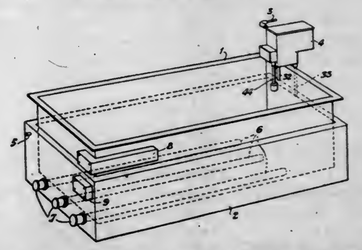
1. A reactive current indicator comprising a series network having two series resistors and two series rectifiers, a bridge formed by the connection across said series network at the junction points between said rectifiers and between said resistors, a meter connected in said bridge, a resistor connected in said bridge, a capacitor connected to the junction point of each series resistor and rectifier, two main line conductors adapted to receive a load connected respectively to said capacitors, and a current transformer directly connected in shunt with said bridge resistor and inductively connected to one of the main line conductors.

2,424,132
AUTOMATIC PHONOGRAPH RECORD CHANGER
Harald Valdemar Alexandersson, Lidingo, Sweden, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application February 9, 1943, Serial No. 475,246
In Sweden August 22, 1942
3 Claims. (Cl. 274—15)



1. For use in a phonograph of the record changer type for moving the phonograph needle into the first sound groove, a cam disc having a cam groove therein, a cam follower for operating in said groove, said groove having a portion of narrow gage for confining said follower to a precise path of travel, and having a portion of wider gage permitting greater movement of said follower, a spring located adjacent the junction of said portions and extending obliquely inward across the path of travel of said follower immediately after the latter has left said portion of narrow gage and has entered said portion of wider gage whereby said follower is given an impulse tending to resiliently move it inwardly.

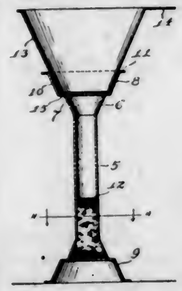
2,424,133
LIQUID LEVEL AND TEMPERATURE CONTROLLER
William Allcock, Jr., Kingsbury, London, England, assignor to Fescol Limited, London, England, a company of Great Britain
Application September 14, 1944, Serial No. 554,016
In Great Britain September 22, 1943
7 Claims. (Cl. 257—4)



1. In apparatus of the kind hereinbefore referred to and comprising a tank adapted to contain liquid which is subject to variations of tem-

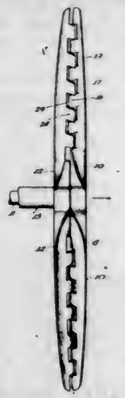
perature and loss of level, a liquid heat exchanger in heat exchange relation with said tank, liquid level and temperature control mechanism comprising a valve for controlling a supply of liquid to said tank and heat exchanger, means acting under the influence of a deficiency in the liquid level in said tank for actuating said valve so as to cause make-up liquid to be supplied to said tank, and means including two thermostats, one associated with the liquid in said tank and the other with the liquid in said heat exchanger, for actuating said valve so as to cause liquid to be supplied to said heat exchanger according to variations in the temperature of the liquid in said tank and that in said heat exchanger.

2,424,134
EGG SEPARATOR
Holly H. Allen and Auburn Taylor, Charleston, W. Va.
Application April 23, 1945, Serial No. 589,770
3 Claims. (Cl. 146—2)



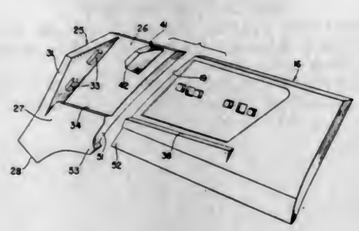
1. An egg separator comprising a tubular standard, a receptacle secured to and covering each end of the standard adapted to either serve as a pedestal for the standard or for receiving the egg to be separated, and shot partially filling said standard adapted to gravitate to the lower end of said standard against the bottom of the receptacle serving as the pedestal to weight the pedestal down.

2,424,135
CONTRAROTATION PROPELLER
Harold C. Anderson, Chicago, Ill.
Application October 21, 1944, Serial No. 559,712
6 Claims. (Cl. 170—165)



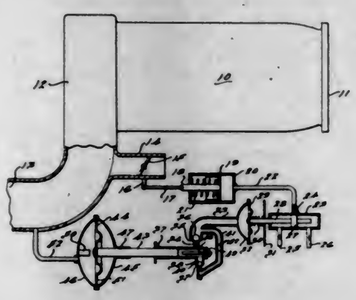
1. Contrarotational coaxial propellers, each comprising blades with longitudinally continuous sections along one of their edges and wings spaced apart radially along and projecting from its opposite edge, the wings on each propeller being positioned to rotate through the spaces between the wings on the other propeller.

2,424,136
PLOW BOTTOM WITH DETACHABLE PLOW POINT
Herbert N. Baker, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application October 25, 1944, Serial No. 560,268
12 Claims. (Cl. 97—124)



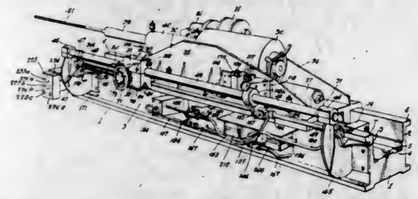
1. In a plow, a frog having an upper point receiving face and an opening therethrough, a detachable point engageable with said face and having a lug extending through said opening, said lug having an undercut edge, and a fastening member having a pair of spaced apart shoulders adapted to engage the underside of said frog at opposite sides of said opening and a lug having an undercut edge adapted to extend into said opening and engage the undercut edge of the lug on said point, for holding the latter in place against the upper face of said frog.

2,424,137
CONTROL APPARATUS
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 13, 1944, Serial No. 530,925
8 Claims. (Cl. 230—115)



1. In combination, a supercharger having a delivery line, a spill valve in the delivery line, means responsive to fluctuations in the pressure of the gas passing through the supercharger due to arrival or approach of the pumping limit, and means for associating the aforesaid means and the spill valve for causing the said fluctuations to increase the opening of the spill valve.

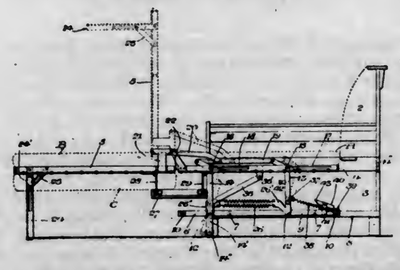
2,424,138
WOODPECKER DRILL
Richard E. Barr, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 27, 1943, Serial No. 503,884
4 Claims. (Cl. 60—52)



2. In combination, a base, a machine member movable on said base, means for moving said machine member toward the work at varying rates of speed, a control member for said machine member movable on said base, an actuating circuit for said machine member, a switch in said actuating circuit, on said control member, means for actuating said switch in response to forward movement of the machine member toward the work, means for initiating a different rate of movement of the machine member toward the work when said switch is actuated, and means for terminating the forward movement of the machine member toward the work after a subsequent predetermined distance of movement of the control member toward the work.

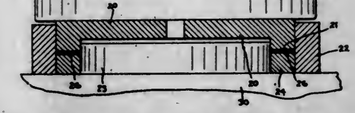
4. In combination, a base, a machine carriage, means for mounting said machine carriage on said base for travel, on a rectilinear path, toward and away from the work, a control unit and means for mounting said control unit on said base for travel to and from the work along a path parallel with the path of movement of said machine carriage, a fluid pump and means for actuating it, an actuating connection between said pump and said machine carriage adapted to move said machine carriage toward the work at a predetermined speed and means, including elements on said machine carriage and on said control unit, for reducing the speed of movement of the machine carriage toward the work after machine carriage reaches a predetermined position, in relation to said control unit, in the course of the excursion of the machine carriage toward the work.

2,424,139
CONVERTIBLE PULLMAN SEAT BED
Percival P. Bebry, Jamaica, N. Y.
Application February 19, 1942, Serial No. 431,456
2 Claims. (Cl. 5—31)



1. A convertible seat bed having a supporting frame including a back, a pair of spring mattress sections having a length to form a full width double bed, one shiftable from a seat position on top of the other into position to form a full length double bed transversely of the back and spaced apart for the reception of a two-parts full-sized stuffed mattress, one part carried by each section, in opposed relation when the structure is in the form of a seat, both of said spring mattress sections slidable together relative to the framework to carry the inner ends thereof under or free of the back, the top spring mattress section swingable relative to the bottom section into position to form a full length bed or a seat and simultaneously elevate the bottom spring mattress section into bed height position or lower it into seat position and including means connecting the spring mattress sections with each other and with the framework and comprising a pair of bars slidable on the framework, a pair of bent-ended parallel links pivoted to each of said bars and having a pin and slot connection with the end of the bottom mattress section, a link pivotally connected to said parallel links, and a raising and lowering link pivoted to said connecting link and to an iron rigidly carried by the top mattress section, said iron having a pivotal connection with an arm rigid with the bottom mattress section, one of said bent-ended links forming an automatically operative foot at the front of the bottom mattress section.

2,424,140
METHOD OF MAKING ABRASIVE ARTICLES
Milton F. Beecher, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 22, 1942, Serial No. 427,792
3 Claims. (Cl. 204—16)

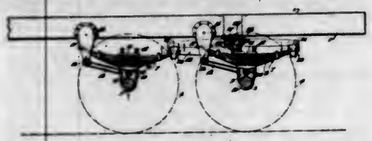


1. In a method of making abrasive articles, the steps which comprise utilizing the pattern formed by the warp and weft of a leno cloth to provide a grid for distributing diamond abrasive particles substantially evenly according to the grid-like pattern of the cloth, pressing a metal back and said diamond particles together with a pressure sufficient to embed the individual particles in the metal of the back and thereby distribute them throughout the surface of the back substantially the same as they are held distributed by said pattern of said cloth, separating the cloth from the metal back and diamond particles assembly, and then electroplating a deposit of metal upon the exposed portions of the surface of the metal back and around portions of the diamond particles protruding therefrom to co-act in holding them assembled to the metal back.

2,424,141
SPRING SUSPENSION FOR TANDEM AXLE VEHICLES
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Delaware
Application January 3, 1945, Serial No. 571,161
10 Claims. (Cl. 280—104.5)

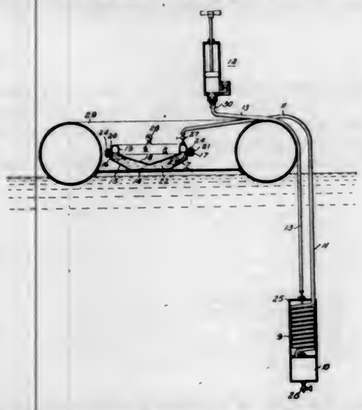
1. A trailer vehicle comprising a frame having a pair of axles arranged in tandem, each axle

being yieldably suspended from the frame through an elongated spring having one end supported by said frame and a rockable member sup-



ported by said frame interiorly thereof, said rockable member having outwardly projecting portions respectively supporting the opposite ends of said springs.

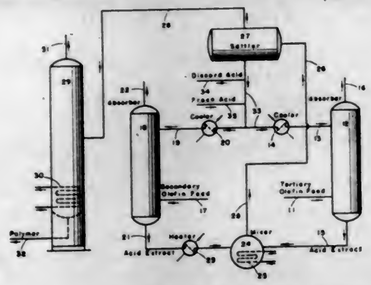
2,424,142
SOLAR SALT WATER DISTILLING APPARATUS
Henry S. Bimpson, West Allis, Wis., and Ernest J. Palmer, Washington, D. C., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 1, 1943, Serial No. 512,515
4 Claims. (Cl. 202—163)



3. An evaporator comprising, a pair of cup-shaped concentric annular casings having cooperating surfaces spaced apart to provide a relatively thin evaporating chamber, the side walls of said casings forming an annular upwardly extending hollow rim projecting above the bottom of the upper casing to provide a vapor chamber, and said vapor chamber having an aperture therein through which vapor may be withdrawn.

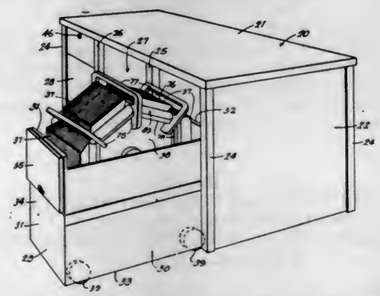
2,424,143
POLYMERIZATION OF OLEFINS
Orval A. Brown, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 7, 1944, Serial No. 548,442
6 Claims. (Cl. 260—683.15)

1. A process for producing an interpolymerization product of a secondary olefin with a tertiary olefin which comprises the steps of forming a first extract by selectively absorbing a tertiary olefin in sulfuric acid maintained at a temperature no greater than 125° F. to prevent substantial copolymerization of the tertiary olefin, forming a second extract by selectively absorbing a secondary olefin in sulfuric acid maintained at a temperature no greater than 125° F. to prevent substantial copolymerization of the secondary olefin, heating the second extract to a temperature of at least 150° F., mixing the heated second extract with the first extract in a mixing zone while maintaining a substantial excess of secondary olefin over tertiary olefin in the mixing zone



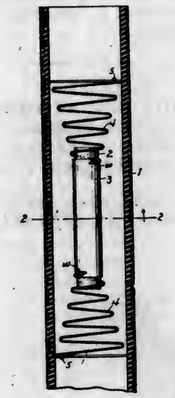
and a temperature of at least 150° F. in the mixing zone to cause rapid interpolymerization of the secondary and tertiary olefin, removing product from the mixing zone and separating polymer therefrom.

2,424,144
CARD FILING EQUIPMENT
George C. Bruen, Chicago, Ill., assignor, by mesne assignments, of thirty-five and one-half per cent to himself, thirty-five per cent to Sophie E. Bruen, Chicago, Ill., five per cent to Edna V. Dickinson, Highland Park, Ill., nine per cent to Sarah M. Bullock, Wilmette, Ill., ten and one-half per cent to G. A. Stuart, Washington, D. C., two per cent to Jay Fisher, Chicago, Ill., one per cent to Marie Thoenen, Elmwood Park, Ill., one per cent to George H. Fredericksen, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo.; Sophie E. Bruen, executrix of said George C. Bruen, deceased
Application November 8, 1943, Serial No. 509,389
11 Claims. (Cl. 45—3)



1. In a card filing equipment, the combination of a support including a rotatable polygonal member having flat sides angularly disposed relative to one another about a central axis, said polygonal member being provided with outwardly projecting members disposed radially of said axis and having handle portions parallel to said axis, said outwardly projecting members being provided adjacent the flat sides with guide members substantially parallel to the flat sides and projecting into the space between said radially extending members, a tray having a base adapted to be slidably received between said guide members whereby the tray is mounted for sliding movement axially of the rotatable member for placement and removal, a pair of card retaining members carried by said tray base, said card retaining members extending axially of the rotatable member and being adapted to be located in substantially complementary apertures in a multiplicity of cards whereby the cards are mounted for movement axially of the rotatable member, and said tray with the cards may be slid axially with respect to said rotatable member to a position in which it projects beyond said sides of the rotatable member.

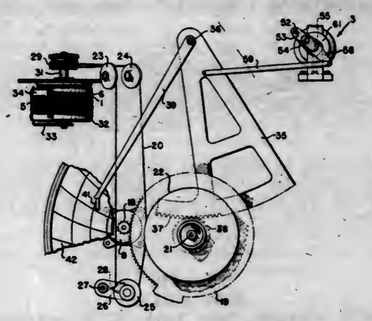
2,424,145
ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application August 27, 1945, Serial No. 612,913
7 Claims. Cl. 204—248)



1. An electrolytic self-energizing water correction device adapted to detachably mount itself upon mere insertion in a conduit which comprises a core of zinc, a sleeve for said core in tight fitting engagement therewith and composed of a positive metal of the electromotive force series, said sleeve enclosing said core for a substantial part of the length of said core to leave a core end exposed, and resilient supporting means also of positive metal of the electromotive force series, said supporting means being secured to said sleeve and extending both laterally and axially of a core end for positioning said device in a conduit and said supporting means having portions in closely spaced relation to said exposed core end to increase the galvanic action between said negative and positive metals.

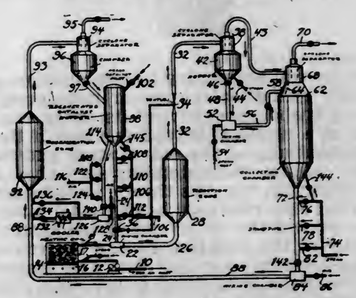
2,424,146
CALIBRATION MECHANISM FOR SELF-BALANCING POTENTIOMETERS
John A. Caldwell, Philadelphia, and George W. Barnes, Jr., Clifton Heights, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1943, Serial No. 480,580
6 Claims. (Cl. 175—183)

2. In a potentiometer instrument, the combination of a variable resistance, a switch, a clutch comprising a pair of axially aligned discs, one of said discs serving to adjust said resistance, a shaft upon which the second of said discs is mounted, means to bias said shaft to a position in which said discs are separated, a rod extending parallel to said shaft, means operated by said rod to move said shaft to cause engagement between the clutch discs, means also operated by



said rod to simultaneously actuate said switch, and mechanism operated by a working part of the potentiometer instrument to rotate said shaft.

2,424,147
CONTROLLING CATALYST-OIL RATIO BY USE OF A VENTURI
Donald L. Campbell, Short Hills, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 9, 1941, Serial No. 392,606
1 Claim. (Cl. 196—52)

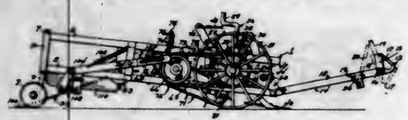


A method of catalytically converting hydrocarbons which includes maintaining a desired powdered catalyst to oil ratio which comprises delivering powdered catalyst to a mixing zone as a fluidized stream from a standpipe, mixing a hydrocarbon vapor stream with the stream of powdered catalyst in said mixing zone, passing the mixed stream as a suspension through a combination of a restriction and a reaction zone in series and then a separating zone to separate reaction products from catalyst and controlling the rate of fluidized catalyst delivery to said mixing zone by a valve in said standpipe which valve is in turn controlled by the static pressure differential through said restriction.

2,424,148
PEANUT HARVESTER
Claude L. Carelock, Douglas, Ga.
Application September 20, 1944, Serial No. 554,952
8 Claims. (Cl. 55—51)

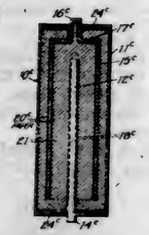
1. A peanut harvester, comprising a vertically adjustable frame, a pair of vertically adjustable plow blades adapted to be relatively adjusted with relation to each other carried by the frame, a conveyor, a tiltable stacking platform, and a peanut transferring drum all mounted on the frame, an

axle carrying traction wheels, operative connections with the axle from the conveyor to drive the same, operative connections from the conveyor



to the drum to drive the same, and means connected with the tilting platform for periodically actuating the same to dump the contents therefrom in a stack.

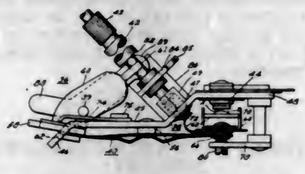
2,424,149
DRY CELL
Edwin D. Chaplin, New York, N. Y., assignor to Harry B. Albert, New York, N. Y.
Application April 10, 1944, Serial No. 530,360
4 Claims. (Cl. 136—107)



1. A dry cell comprising in combination a substantially cylindrical casing of waterproof material; a carbon rod having its outer end projecting as a terminal beyond one end of the casing substantially at the axis thereof and the remainder of the rod extending into the casing, and alined with the axis thereof; a substantially cylindrical zinc electrode having a terminal projecting beyond the other end of the casing substantially at the axis thereof and the remainder of the electrode extending into the casing and developed radially to form a disk with substantially semi-cylindrical curved sheets of zinc as integral parts of said electrode and developed at the peripheral portion of the disk and embracing the carbon rod; a layer of porous material covering the active surface of the zinc electrode; a depolarizer packed within the casing and filling and surrounding the electrode and in contact with the carbon; and a non-conducting seal at each end portion of the casing to close the annular area between the projecting terminals and the casing.

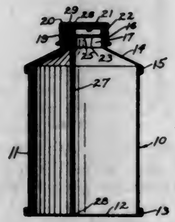
2,424,150
THERMOSTAT
Earl K. Clark and Joseph S. Wojcik, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application March 24, 1941, Serial No. 384,918, now Patent No. 2,398,579, dated April 16, 1946. Divided and this application February 29, 1944, Serial No. 524,386
2 Claims. (Cl. 200—139)

1. A thermostat comprising a supporting structure, a bimetallic element having one end thereof fulcrumly retained by the supporting structure, a movable contact supported by the other end of said element cooperating with a stationary contact, an elongated adjusting member threadedly engaging the supporting structure permitting movement of said member along its longitudinal axis, means engaging the adjusting member for changing the fulcruming po-



sition of the element in response to the longitudinal movements of said member, and means engageable by the end of said member for bodily moving the free end of said element and disengaging said contacts.

2,424,151
RESERVOIR FOR ATOMIZERS
Llewellynn J. Clark and William F. Goosmann, Grand Rapids, Mich., assignors to The Tanglefoot Company, Grand Rapids, Mich., a corporation of Michigan
Application March 27, 1944, Serial No. 528,250
4 Claims. (Cl. 222—464)

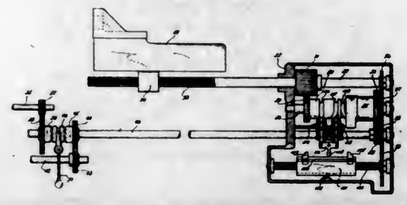


1. In a dispenser for liquids including a receptacle having a filling opening and a closure therefor, a flanged member removably retained in said opening and provided with an air intake aperture and a second aperture, and a fluid discharge tube extending through said second aperture to a point adjacent the bottom of said receptacle, the upper end of said tube terminating within said filling opening below the rim thereof to permit sealing thereof by said closure but providing an upwardly projecting portion for telescoping connection to an atomizing device when said closure is removed.

2,424,152
TITANIA GEL-BORIA CATALYST AND ITS METHOD OF PREPARATION
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application January 9, 1942, Serial No. 426,120, now Patent No. 2,339,838, dated January 25, 1944. Divided and this application August 22, 1942, Serial No. 455,729
3 Claims. (Cl. 252—225)

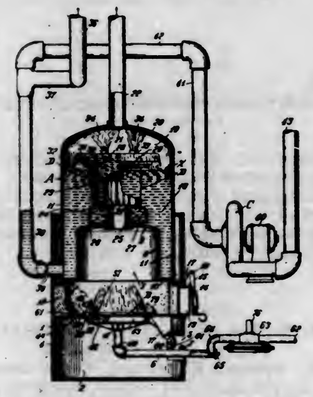
1. A new catalyst consisting essentially of a titania gel having an apparent density of about 0.8 to 1.3 grams per cu. cm. when in 4–12 mesh granules and impregnated with boria, in which the weight per cent of boria with respect to the titania is from 5–20%.

2,424,153
CONNECTING AND POSITIONING DEVICE
Myron S. Curtis and Harry Schoepe, Cleveland, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1943, Serial No. 485,980
22 Claims. (Cl. 192—139)



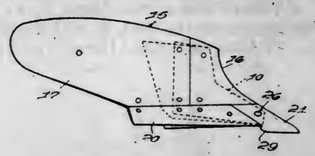
1. A device of the character described comprising a driving member, a movable member, and means selectively functioning to operatively connect the members and to positively stop said movable member in a predetermined position after a selected predetermined movement thereof and including a track system on one of said members and having endless portions and interconnecting portions therebetween, a driving element carried by the other of said members, and a stopping element mounted independently of said members, both of said elements cooperating with said track system the said driving element continuously engaged with said track system.

2,424,154
SUBATMOSPHERIC GAS BURNER
Aubra R. Dunham, Glencoe, and Hilding V. Williamson, Chicago, Ill., assignors to Experimental Laboratories Incorporated, Chicago, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,456
12 Claims. (Cl. 158—7)



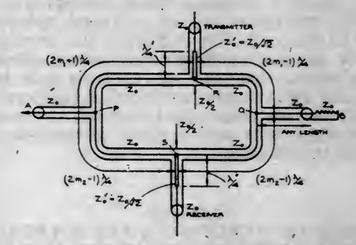
10. In combination, a gas burner positioned transversely in a housing so as to separate a lower air inlet chamber from an upper combustion chamber, there being a gas inlet passage in the burner for delivering gas laterally at a location above the bottom of the burner, means for delivering gas to said gas inlet passage at substantially atmospheric pressure and the burner having also concentric rows of upwardly directed air openings, the inner row of which is positioned below the gas inlet, whereby jets of air directed upwardly from said air openings across said inlet withdraw gas therefrom to form an aerated gaseous mixture, and another row of said air openings being positioned with their axes inclined in a direction toward the first mentioned row of openings, whereby the air jets from said concentric rows of openings impinge at a location above the gas inlet to reduce their velocity and effect further aeration of the mixture, and suction means communicating through said housing with said air inlet openings for drawing said jets of air upwardly therethrough.

2,424,155
PLOW
Willard E. Emerick, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 26, 1944, Serial No. 542,134
8 Claims. (Cl. 97—125)



1. In a plow bottom, a moldboard portion, a share portion having a lower ground-contacting edge, a separable point having a rear edge coinciding with the forward edge of said share portion and a lower edge projecting below the lower edge of said share portion, and an extension on said point overlapping the juncture of said share and said point.

2,424,156
APPARATUS FOR TRANSMITTING AND RECEIVING RADIO SIGNALS
Dennis Clark Espley, North Wembley, England, assignor to The General Electric Company Limited, London, England
Application January 2, 1942, Serial No. 425,431
In Great Britain January 2, 1941
8 Claims. (Cl. 250—9)



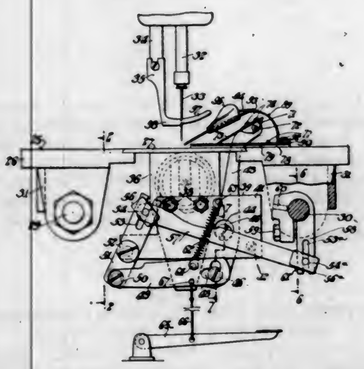
1. Apparatus for transmitting and receiving, simultaneously or alternately, radio signals of a frequency exceeding 100 mc./s., comprising an aerial, a transmitter for communicating energy to said aerial, a receiver for receiving energy from said aerial, a junction P, a concentric line of characteristic impedance Z_0 leading from said aerial to said junction P, a point Q, a pair of concentric line branches, each of characteristic im-

pedance substantially Z_0, connecting said junction P to said point Q, a balancing impedance connected to said point Q, a point R on one of said branches, a line leading to one of said transmitter and receiver connected as a T-piece at said point R, the impedance of said T-piece line regarded from said point R being substantially $Z_0/2$, a point S on the other of said branches, and a line leading to the other of the transmitter and receiver connected as a T-piece at said point S, the impedance of said last-mentioned line regarded from said point S being substantially $Z_0/2$; wherein the lengths of the paths PR, RQ and QS, SP are so adjusted that the electrical lengths

$$((PR+RQ)-(PS+SQ)) \text{ and } ((RP+PS)-(RQ+QS))$$

are both substantially of the form $n\lambda/2$, where n is an odd integer and λ is the wave-length of the oscillations passing along these paths, the whole arrangement being such that substantially no energy from said transmitter can reach said receiver.

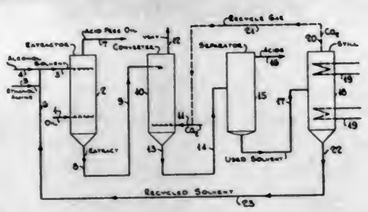
2,424,157
SPOT SHIRRING ATTACHMENT
Gilbert Fowler, Brooklyn, N. Y.
Application April 11, 1944, Serial No. 530,534
7 Claims. (Cl. 112—134)



1. The combination with a sewing machine having an apertured throat plate, of a shirring arm pivoted intermediate its ends underneath the machine bed and projecting through said apertured throat plate, a shirring blade swingingly connected to the upper end of said arm, a lever attached to the feed rocker shaft of the sewing machine, a second lever pivoted intermediate its ends, a connecting rod attached to said levers, and a link having one end pivoted to the second named lever and connected through the medium of an angular slot and a screw to the lower end of the shirring arm.

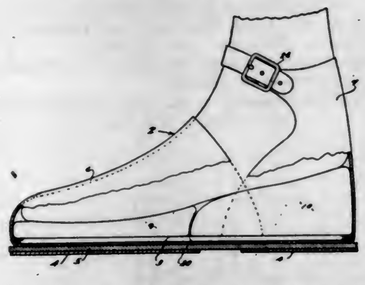
2,424,158
PROCESS OF REFINING A PETROLEUM OIL CONTAINING NAPHTHENIC ACIDS
Mack C. Fuqua and John B. Lovell, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 20, 1944, Serial No. 555,026
12 Claims. (Cl. 196—41)

1. The process of refining a crude petroleum oil which comprises subjecting it to continuous counter-current extraction with a solution consisting of an alkylol amine dissolved in a low molecular weight water-soluble oxygen-containing organic solvent to remove naphthenic acids substantially completely from said crude oil, whereby said crude oil is made substantially acid-free and substantially non-corrosive during storage and subsequent distillation and refining treatments, separating the solvent extract now comprising solvent and dissolved therein alkylol amine salts of naphthenic acids together with any unreacted alkylolamine, treating said solvent extract with carbon dioxide to convert said



alkylolamine naphthenates into corresponding alkylolamine-carbonates and liberate free naphthenic acids which are insoluble in the solvent solution of alkylolamine and carbonates thereof, separating said liberated naphthenic acids from said solvent solution containing alkylolamine-carbonates and heating said solution to drive off carbon dioxide from said carbonates, thereby regenerating alkylolamine in solvent solution, and finally recycling said alkylolamine in solvent solution.

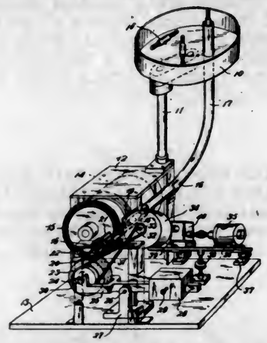
2,424,159
WEIGHTED SHOE
Alice E. Goetz, Maricopa County, Ariz.
Application May 22, 1945, Serial No. 595,138
3 Claims. (Cl. 36—8.5)



1. A weighted shoe for orthopedic treatments comprising a shoe body, having an insole, an outsole, a vamp, and a backstay upper secured thereby, together with weighted replaceable heel and ball insoles removably attached to said insole within said shoe body.

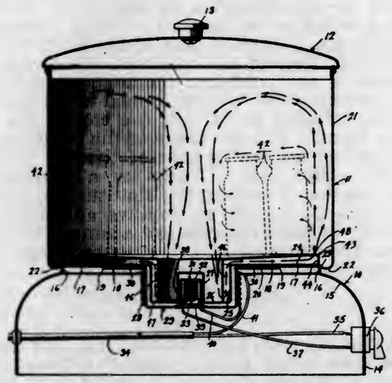
2,424,160
MACHINE FOR CLEANING AND POLISHING STUDS AND THE LIKE
Elmer G. Greene, Lakewood, Ohio, assignor to The Ferry Cap & Set Screw Company, Cleveland, Ohio, a corporation of Ohio
Application August 31, 1944, Serial No. 552,187
3 Claims. (Cl. 15—21)

1. In a machine for cleaning studs and like articles, a high speed rotating brush, an abrasive wheel disposed beneath said brush, a lever having bearings for said wheel, driving means independent of said brush for rotating said wheel at low speed to clean and dress said brush, and



adjustable overbalancing means for said lever to yieldingly support the wheel against said brush.

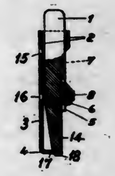
2,424,161
ELECTRIC BOTTLE WARMER
Frederick F. Gunther, Chicago, Ill., assignor to Helmco, Inc., Chicago, Ill., a corporation of Illinois
Application June 30, 1944, Serial No. 542,958
4 Claims. (Cl. 219—43)



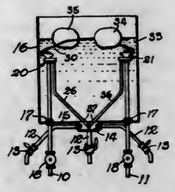
1. A device for heating food products while in their containers such as bottles or cans, comprising a base and a separable receptacle for receiving a liquid to be heated and to receive a plurality of packages of food products to be heated, said base having a top with a well in it, heating means surrounding the exterior of said well, said receptacle having a protuberant cup in its bottom to enter the base well when the receptacle is in place on the base, and means within the receptacle for supporting a plurality of food packages above the receptacle bottom and for deflecting liquid heated in the cup radially outwardly thereof and up along the receptacle wall.

2,424,162
MARKING TOOL
Elof Gustaf Ragnar Gustafsson, Stockholm, Sweden
Application May 6, 1944, Serial No. 534,418
In Sweden December 12, 1942
3 Claims. (Cl. 101—28)

1. A stamping tool particularly for impressing marks into steel or other metal objects comprising a stamping die provided with a stamping type at the end thereof, a holder adapted for receiving said die therein with means for holding said die in said holder against movement, a line indicator in strip form secured to said holder and extended longitudinally of said die; said line indicator at its lower end, or the type end of the die, bent at a right angle and transversely of said die so as to form a tool supporting flange, said flange being cut out for allowing passage of the type end of said die when the tool is applied to the object to be marked.



2,424,163
FLUID MIXING APPARATUS
Edwin M. Hammer, Rockford, Ill.
Application August 10, 1945, Serial No. 610,089
3 Claims. (Cl. 137—78)



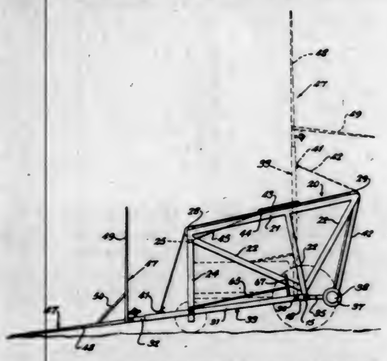
2. Mixing apparatus comprising a tank having a valve controlled outlet, inlets for admitting different fluids to said tank and discharging into the latter at points closely adjacent to each other and to said outlet, and valves controlling the flow of fluids through said inlets and having individual float actuators, said actuators having floats adjusted to initiate opening of said valves simultaneously when the liquid in said tank falls below a predetermined level.

2,424,164
COUPLING APPARATUS FOR FLOATING DRY DOCKS
Frederic R. Harris, New York, N. Y.
Original application December 20, 1943, Serial No. 514,952, now Patent No. 2,370,957, dated March 6, 1945. Divided and this application September 28, 1944, Serial No. 556,237
13 Claims. (Cl. 114—46)



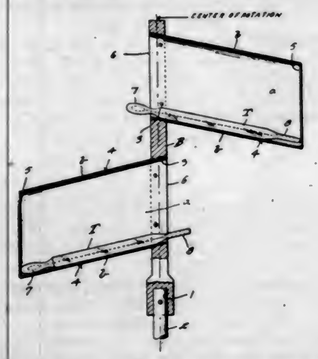
1. A floating dry dock hull having walls thereon, a pair of external upright beams at the end of one of said walls, horizontal beams uniting the upright beams, a pair of vertical beams between the latter uniting said horizontal beams and a head with a transversely extended outer end secured to the last named upright beams.

2,424,165
TRACTOR-MOUNTED HAY RAKE AND STACKER
Reuben K. Hartley, Hamilton, Mo.
Application August 7, 1945, Serial No. 609,351
1 Claim. (Cl. 214—142)



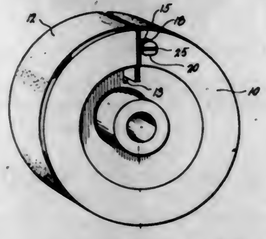
A tractor attachment which includes a pair of telescopic arms pivoted to a tractor near its rear end, a hay rake carried between the forward ends of the arms, means to adjust the angular position of the rake relative to the arms, a side frame mounted on the tractor adjacent each arm, a pulley at the upper forward corner of each side frame, a pulley at the upper rear corner of each side frame, a cable attached to each arm and extending over the pulleys on the side frame adjacent its respective arm, a winding drum for each cable the lower rear corner of each frame, means establishing driving connection between the power plant of the tractor and the winding drums, a cross bar slidably mounted on the upper edges of the side frames with its opposite ends intersecting the paths of movement of the arms and springs attached to the bar and to the side frames yieldingly to hold the bar in a forward position whereby when the arms approach a vertical position under the influence of the cables the springs will absorb the energy and retard the movement of the arms.

2,424,166
CENTRIFUGE DEVICE FOR THERMOMETERS
Louis J. Hillenbrand, Allentown, Pa.
Application September 27, 1945, Serial No. 618,810
3 Claims. (Cl. 73—373)



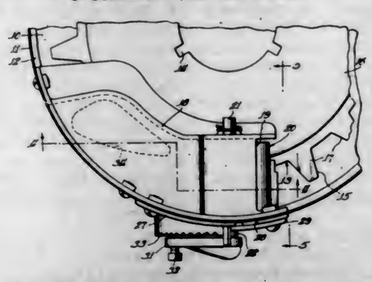
2. A device for use in the processing of thermometers or the like comprising a body adapted to be rotated, and oppositely directed cups carried by the body at points spaced lengthwise of its axis of rotation and extending laterally therefrom, each of said cups having an open end portion disposed through the body, each of said cups being adapted to receive a thermometer or the like to be processed, said cups being disposed on an outward and downward incline.

2,424,167
STRIP LOCKING MEANS FOR ABRADING AND POLISHING MACHINES
Karl J. Hillquist, Seattle, Wash.
Application March 1, 1946, Serial No. 651,354
2 Claims. (Cl. 51—194)



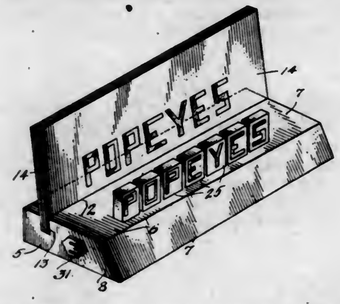
1. A drum about which a flexible strip may be applied for use and having a slot formed therein across the drum surface to receive the opposite end portions of an applied strip in juxtaposed relationship therein, a bore in the drum parallel with and opening into the slot along one side thereof, a threaded bolt mounted in said bore and having a flat surface formed along one side thereof adapted by turning the bolt in the bore to be brought into the plane of the adjacent side wall of the slot for passage of the end portions of the strip; said bolt having a longitudinal edge portion bounding the flat surface thereof that may be caused, by rotative adjustment of the bolt, to move into the slot against the juxtaposed end portions of the strip to clamp them against the opposite wall of the slot.

2,424,168
MATERIAL DISPENSING DEVICE HAVING A ROLLER WITH DISCHARGE CONTROLLER
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 28, 1943, Serial No. 507,935
3 Claims. (Cl. 222—311)



2. A valve mechanism for use with a material measuring and distributing device including a hopper and a feed wheel rotatably mounted above the bottom of the hopper and provided with a plurality of peripheral material measuring pockets, said mechanism comprising a housing enclosing a space above a portion of said wheel and being spaced from the wheel and secured to the hopper wall, a delivery gate mounted on said housing, said gate being provided with a pair of coaxial trunnions, the inner trunnion being journaled in the housing and the outer trunnion extending through the hopper wall, the lower edge of said gate being adjustable with respect to the feed wheel by angular movement of the gate about its trunnion axis, a removable supporting member secured to the outer side of the hopper wall, said member being formed with a journal for the outwardly extending trunnion, said journal including an open-ended slot in the member to receive the trunnion, and releasable means carried by the member and engageable with said trunnion to hold the latter in the slot.

2,424,169
SELF-ILLUMINATED PLASTIC PLUG-IN ALPHABET BLOCKS
Allen S. Hoffman, Council Bluffs, Iowa, assignor to Howard Sales Company, Council Bluffs, Iowa, a copartnership
Application May 22, 1945, Serial No. 595,204
4 Claims. (Cl. 35—35)



1. An educational device comprising a transparent plastic base having a longitudinal row of openings in its upper face near its forward edge, said openings being arranged in longitudinally spaced pairs, said base also having a longitudinal groove in its upper face lying parallel with the row of openings near the rear edge of the base, a group of interchangeable guide cards adapted to be supported in the groove, indicia on the guide cards adapted to be displayed by an exposed face of the foremost guide card in the groove and viewed by an observer in front of the base, a plurality of blocks each bearing indicia on at least one face, and projecting from each block in a direction parallel with the face carrying the indicia a pair of spaced pins adapted to be entered in a pair of openings in the base whereby by proper selection and positioning of the blocks on the base, the indicia appearing on the foremost guide card may be repeated.

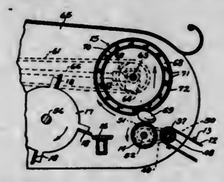
2,424,170
PLATE CLAMPING MECHANISM FOR PRINTING MACHINES
William F. Huck, Forest Hills, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 10, 1944, Serial No. 521,829
19 Claims. (Cl. 101—378)

1. In a plate clamping mechanism for securing a printing plate upon the form cylinder of a printing machine, a stationary first plate clip, a slidable second plate clip positioned on the cylinder for movement to clamp a plate between it and the first clip, a connecting rod extending axially along the cylinder and adjustably connected to the second clip, the rod being adjustable from the end of the cylinder to adjust the position of the second clip, spring means carried



by the cylinder and connected to the rod to move the rod and through it the second clip toward the first clip to clamp an inner plate, and fluid pressure actuated means carried by the cylinder to move the rod and through it the second clip away from the first clip to release a plate clamped therebetween.

2,424,171
STONE EJECTOR FOR FIELD HAY CHOPPERS
Edwin F. Huddle, Elmwood Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 18, 1944, Serial No. 554,613
4 Claims. (Cl. 146—120)



1. In a stone ejecting mechanism for hay- or grain-treating machines comprising, a pair of opposed feed rolls, and means associated with one of said rolls for effecting ejection of stones from the machine, said means including radially projecting ribs on said roll and having a superposed annular rubber covering stretched over the outer edges of said radially projecting ribs, whereby space pockets are provided at intervals around the roll.

2,424,172
ANIMAL BOOT
Lon Huddleston, Oklahoma City, Okla.
Application December 8, 1941, Serial No. 422,075
5 Claims. (Cl. 36—2.5)



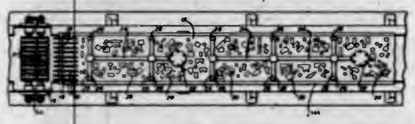
1. A protective shoe or boot for claw footed animals comprising: a leg fitting sheath; a foot fitting socket, the contours of the inner surface of which closely conform to the depressions and prominences of the paw of the animal; and apertures in said socket positioned to allow the claws or nails of the animal to project therefrom for tractional contact with the earth.

2,424,173

ELECTROLYTIC PRODUCTION OF ALLOY COATINGS

Kenneth M. Huston and Vincent A. Rayburn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 29, 1942, Serial No. 440,948
9 Claims. (Cl. 204—28)



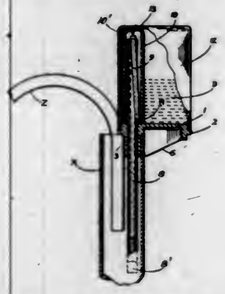
1. The method of continuously electroplating a uniform brass coating upon a metallic strand, which comprises advancing such a strand as a cathode through an electrolytic cell employing an aqueous copper-zinc cyanide electrolyte of such composition as to plate a brass coating of predetermined composition upon the strand, making a mass of divided bodies composed of metal of the group consisting of brass, copper, and zinc the anode in the cell, the initial composite composition of the anode being such as to supply copper and zinc ions to the electrolyte in substantially the proportions in which these ions were present in the electrolyte initially, passing an electric current through the cell to continuously plate a brass coating upon successive increments of the moving strand, and maintaining the composition of the brass coating plated upon the strand substantially constant by adding divided bodies composed of metal of the group consisting of brass, copper, and zinc to the divided anode bodies as the plating progresses in such quantities and proportions as to maintain the concentrations of the copper and zinc ions in the electrolyte substantially constant and at substantially their initial values.

2,424,174

TOILET DISINFECTOR

Joseph M. Jensen, Oakland, and Baldwin Vale, San Francisco, Calif.

Application March 6, 1944, Serial No. 525,298
2 Claims. (Cl. 4—225)



1. A disinfector comprising a closed reservoir containing a fluid and having a nipple extending below the base of said reservoir; a pair of jaws on said base in juxtaposition to said nipple and cooperating therewith to form a clamp for mounting said base on the end of a pipe into which said nipple is extended; a tube having one of its ends sealed and its open end portion extending through said nipple and terminating near the top of said reservoir; and a wick extending upwardly in said reservoir and downwardly within said tube.

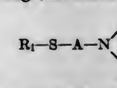
2,424,175

VULCANIZATION OF RUBBER OR THE RUBBERY CO-POLYMER OF BUTADIENE AND STYRENE

Paul C. Jones, Silver Lake, and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 8, 1943, Serial No. 513,490
13 Claims. (Cl. 260—79)

1. The method which comprises vulcanizing a vulcanizable material selected from the class consisting of rubber and butadiene styrene copolymer synthetic rubber in the presence of 2 to 5% by weight based on the vulcanizable material of sulfur and in the additional presence of 0.05 to 5% by weight based on the vulcanizable material of a compound having the structural formula



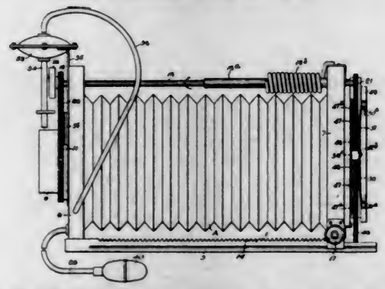
wherein R_1 is an organic radical with the free valence on a carbon atom, A is an alkylene group with the free valences on different carbon atoms, R_2 is a member of the class consisting of hydrogen, and aliphatic and aromatic groups attached to the nitrogen through a carbon atom, and R_3 is an aliphatic hydrocarbon group.

2,424,176

PORTRAIT CAMERA WITH AUTOMATIC IRIS DIAPHRAGM OPERATION

William S. Kals, Vancouver, British Columbia, Canada, assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware

Application January 23, 1946, Serial No. 642,911
17 Claims. (Cl. 95—64)



1. A photographic camera of the portrait or view type having at the front thereof a diaphragm mechanism with adjustable iris in suitable relation to the camera shutter, said camera having at the rear thereof a carrier constructed to be manually positioned either vertically or horizontally for taking pictures in either of said positions and to receive a sensitized plate holder in either of said two positions and provided with two, alternately-functioning groups of gearing, each functioning in one only of said positions respectively and idle in the other position, and with a lengthwise movable rack meshing with said groups of gearing to cause either of said two groups of gearing to function while the other group of gearing is idle, by rotative movement according to the position of said carrier vertically or horizontally, a shaft so cooperatively connected to the iris diaphragm mechanism as to cause the closing down and the opening of said iris diaphragm upon opposite rotative movement of said shaft, said shaft having at the rear

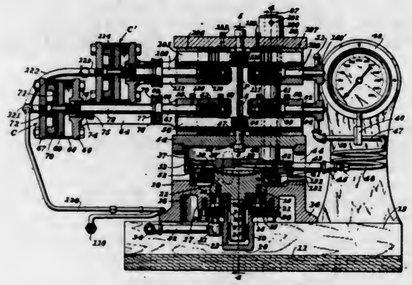
of the camera a gear to be engaged by a gear of the then functioning group only of the said two, alternately-functioning groups of gearing on said carrier upon positioning said carrier on the camera and the insertion of the said plate holder and while the other group of gearing is idle, so as to impart rotative movement to said shaft, and thereby to close down said iris diaphragm upon insertion of such plate holder and to open said iris diaphragm upon removal of such plate holder, said plate holder being positionable upon said carrier in either the vertical or the horizontal position of the latter, and engageable with said rack in the positioning of said plate holder on the carrier, to move said rack lengthwise, thereby to cause the functioning of one of said groups of gearing while the other group of gearing is idle, and thus to impart rotative movement to said shaft, and consequently to close down the adjustable iris.

2,424,177

TENSILE TESTING MACHINE

Walter D. Lawshe and Winston A. Gardiner, Seattle, Wash., assignors, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware

Application December 27, 1944, Serial No. 569,942
9 Claims. (Cl. 73—97)



1. In apparatus for testing the tensile strength of a strip of material, two sets of opposed cooperating jaws, one jaw of each set being reciprocable relative to its cooperating jaw, the jaws of each set being normally spaced apart to provide an opening between them greater than the thickness of the strip to be tested and said sets being arranged so that the jaw openings are in alignment, an independent fluid pressure actuated device associated with each of said reciprocable jaws for moving each toward its cooperating jaw to clamp longitudinally spaced portions of the strip when the strip is disposed in the jaw openings, a three way valve arranged for the simultaneous supply of pressure fluid to the fluid pressure actuated devices and for the simultaneous exhaust therefrom, and means for moving the said sets of jaws apart whereby to tension the clamped strip.

2,424,178

APPARATUS FOR EFFECTING NAVIGATIONAL CALCULATIONS

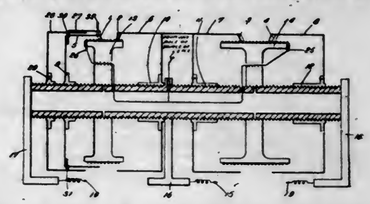
Bryan Harold Cabot Matthews, Cambridge, England

Application February 14, 1945, Serial No. 577,802
In Great Britain February 23, 1944
5 Claims. (Cl. 235—61)

1. Apparatus for effecting navigational calculations by solving a spherical triangle the four angles of which are represented trigonometrically by the equation;

$$\frac{1-\cos \text{hour angle}}{\sec \text{latitude}} = \frac{\cos(\text{latitude} \pm \text{declination}) - \cos \text{zenith distance}}{\cos \text{declination}}$$

including two wound resistors connected in parallel to a source of E. M. F., one movable contact for each resistor controlling the voltage drop in the said resistors connected from opposite poles of said source, two other movable contacts one tapping from each resistance to a galvanometer, movable scales with one of said contacts mounted on each of them, said scales being marked with known derivations of angles



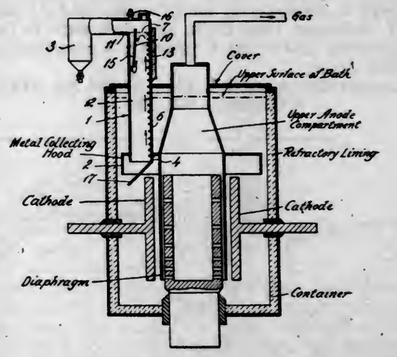
and being movable along threaded members having a pitch in phase with the pitch of the resistor windings, whereby the resistance values between movable contact settings on each resistor is proportional to the sine, cosine, 1—cosine or secant of the angle to which the scale is set, and means for calculating zenith distance from the numerator cos. (latitude±declination)—cos. zenith distance after setting the scales to known derivations of angles for the other parts of the equation, whereby line of position may readily be determined without the use of mathematical tables.

2,424,179

METHOD AND APPARATUS FOR PURIFYING A MOLTEN LIGHT METAL BY PRECIPITATION OF IMPURITIES

Robert J. McNitt, Perth Amboy, N. J.

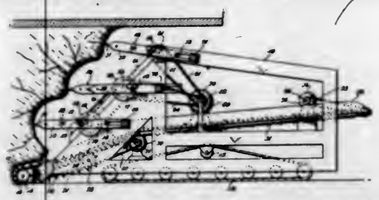
Application October 15, 1941, Serial No. 415,095
19 Claims. (Cl. 210—51)



1. In a method of purifying a liquid light metal recovered from a mixed salt bath more dense than the metal, the improvement which comprises collecting the metal in a hood beneath the upper surface of the bath, passing the collected crude metal very slowly through a body of metal which is relatively quiescent and at a high temperature which permits the settling out of salt particles in a preliminary purification, passing the metal upward after the preliminary purification through a duct to a body of metal above the bath, the metal flowing along one side of the duct and

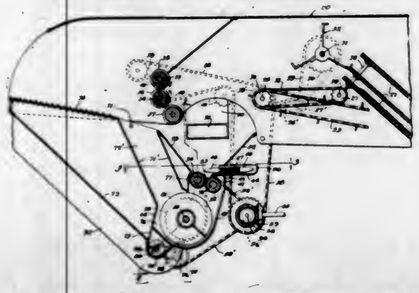
across relatively cool and quiescent metal in the body where soluble impurities are precipitated, and returning the precipitated impurities to the bath in metal in the duct spaced to one side of the place where the metal rises in the duct.

2,424,180
APPARATUS FOR MINING COAL OR SIMILAR MINERAL
George A. Merchant, River Forest, Ill.
Application July 11, 1944, Serial No. 544,426
14 Claims. (Cl. 262—9)



1. Apparatus for mining coal or similar mineral comprising an undercutter embodying a burr cutter rotatable about a horizontal axis for forming an undercut in the base of the breast, and a break down mechanism including a plurality of picks arranged in spaced series substantially parallel to said undercutter, said series being disposed consecutively rearwardly of and above said undercutter, and said picks being mounted for individual movement so that some of said picks travel forwardly and downwardly in an elliptical path into contact with the face of the breast of coal or mineral as other of said picks travel backwardly and upwardly in an elliptical path away from the face of the breast to thereby break away and dislodge the coal or mineral from the face of the breast in a manner such that the material falls freely from the face of the breast.

2,424,181
CORN SNAPPING AND HUSKING DEVICE
Robert P. Messenger, Kenilworth, and Arnold E. W. Johnson, Oak Park, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 7, 1944, Serial No. 548,326
6 Claims. (Cl. 130—5)

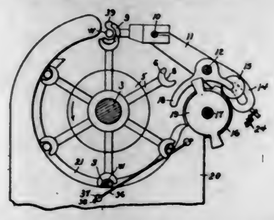


1. A corn harvesting and husking machine having conveyor means for feeding stalks in a horizontal direction, snapping rolls through which said stalks are fed, a snapped-ear receiving compartment below said rolls and between said rolls and said conveyor, a shelled-corn saving grid angled on substantially the same level as the snapping rolls and spaced therefrom in the direction in which the stalks are being moved said stalks being moved horizontally over said grid by the snapping rolls, and a loose husk and shelled-grain receiving chute extending substantially vertically downwardly between the snapping rolls and said grid whereby the stalks are discharged and the loose husks dropped downwardly through said chute.

2,424,182
SYNTHETIC RUBBERLIKE BUTADIENE-ACRYLONITRILE - ALIPHATIC VINYL-ETHINYL CARBINOL MATERIAL
Charles J. Mighton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 12, 1944, Serial No. 522,084
4 Claims. (Cl. 260—84.5)

1. A synthetic, rubber-like material which has high oil- and freeze-resistance and good processing characteristics, obtained by copolymerizing a mixture comprising from 70% to 80% of butadiene 1,3, 10% to 25% of acrylonitrile, and 5% to 10% of an aliphatic vinylethinyl carbinol.

2,424,183
RESILIENT HOLDING MEANS FOR STRAW PACKAGING MACHINES
Paul C. Moore, Jr., Baltimore, Md., assignor to Maryland Paper Products Company, Inc., Baltimore, Md., a corporation of Maryland
Application June 19, 1946, Serial No. 677,762
5 Claims. (Cl. 93—3)

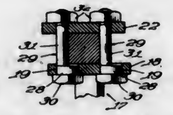


1. In a straw packaging machine wherein are provided rotatable wrapper carriers and arcuate guides cooperatively associated with the same: the improvement which comprises resilient wires carried by said arcuate guides and projecting across the path of the wrapper carriers at predetermined places for purposes described.

2,424,184
TERTIARY AMINO PENTANOLS AND ESTERS THEREOF
Samuel A. Morell, Peoria, Ill., assignor to the Government of the United States, as represented by the Secretary of Agriculture
Application March 16, 1945, Serial No. 583,137
9 Claims. (Cl. 260—490)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

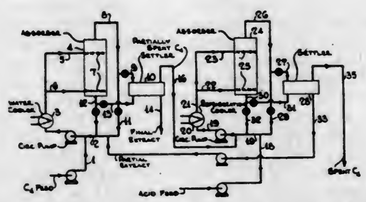
1. A method of manufacturing 1,4-substituted pentanes which comprises reacting 2-methyl tetrahydrofuran with an acyl halide to form a mixture of isomeric primary and secondary halogeno-amyl-esters, adding a secondary amine to form with the primary halide a tertiary amino-amyl-ester and then adding an alkali to the resulting mixture and heating it whereby a 5-dialkylamino-pentanol-2 is formed from the tertiary amino-amyl-ester and 2-methyl tetrahydrofuran is simultaneously reformed from the secondary halide.

2,424,185
AGRICULTURAL IMPLEMENT
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 22, 1943, Serial No. 511,257
6 Claims. (Cl. 97—198.1)



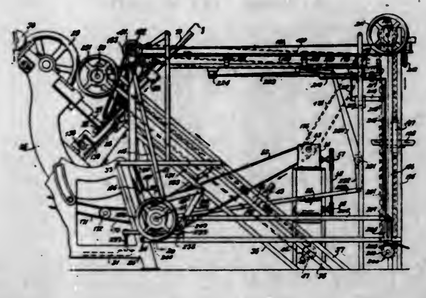
1. Means for attaching a first member of an agricultural implement to a second member for relative angular adjustment comprising bolt-holes in the first member, means spaced from said bolt-holes serving as a pivot for angular movement of said first member with respect to said second member to prevent relative displacement of said members, bolts in said holes arranged to engage and confine opposite sides of said second member, each said bolt having a head portion adapted to be received in said opening and an eccentric shank portion, whereby rotation of said bolthead will cause pivotal movement of said first member with respect to said second member, a clamping element having openings for the reception of said shank portions, and means for clamping said element to the side of said second member opposite said first member.

2,424,186
SULFURIC ACID EXTRACTION OF ISOBUTYLENE FROM HYDROCARBON MIXTURES
John W. Packie, Green Village, and Walter H. Rupp, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 12, 1944, Serial No. 553,704
6 Claims. (Cl. 260—676)



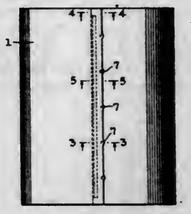
1. A continuous process for the selective removal of isobutylene from hydrocarbon mixtures containing paraffins, secondary and tertiary olefins, comprising contacting the hydrocarbon mixture in a first stage at a temperature between 90° and 110° F. with sulfuric acid containing dissolved isobutylene to selectively dissolve the major portion of the isobutylene contained in said hydrocarbon mixture, separating the solution of the isobutylene in sulfuric acid from the undissolved hydrocarbon mixture, contacting the undissolved hydrocarbon mixture in a second stage at a temperature between 55° and 75° F. with fresh sulfuric acid having a strength between 60 and 70% by weight to selectively dissolve the remaining portion of the isobutylene from said hydrocarbon mixture, and recycling the solution of isobutylene in sulfuric acid from the second stage to said first stage for use therein as the medium for dissolving further amounts of isobutylene.

2,424,187
PUNCHING MACHINE
Lewis C. Pearce, Berea, Ohio, assignor to Standard Envelope Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 28, 1945, Serial No. 590,935
14 Claims. (Cl. 164—21)



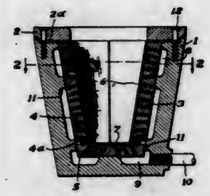
1. In a machine of the character described, a support for a stack of envelope blanks, means for separating a pack of blanks of selected thickness at one end of said stack and moving said pack laterally, an anvil disposed to receive said laterally removed pack, a punching die cooperating with said anvil for acting upon said pack of blanks, means for removing the punched blanks from the anvil, and means for causing endwise travel of said stack a distance corresponding to the thickness of said pack.

2,424,188
SIDE SEAM FOR SHEET METAL CAN BODIES
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 19, 1944, Serial No. 568,838
1 Claim. (Cl. 220—75)



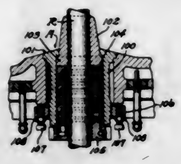
A sheet metal can body comprising a body portion having the side edge portions lapped to form a side seam, the inner lap being notched at the ends thereof and a portion between the notches folded back upon itself so as to lie between the lapped end portions of the side seam, said folded back portion extending for only a small portion of the width of the side seam, the lap portions of the side seam along and beyond the inner edge of the folded back portion and at the ends thereof being shaped so as to make intimate contact with each other, said outer lap portion being joined to the inner lap portion by spot welding disposed at the extreme edge of the outer lap portion and at intervals along the same, and a solder bonding extending throughout the contacting surfaces of the side seam for joining and sealing the same.

2,424,189
PULP MOLDING DIE
Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association, and William B. Nulty, Portland, Maine, as trustees
Application November 11, 1942, Serial No. 465,210
5 Claims. (Cl. 92—54)



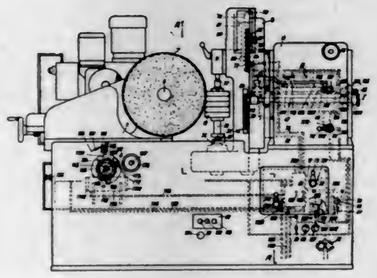
1. A pulp molding apparatus, comprising a die body having internal tapered surfaces and an open face die comprising a plurality of perforated sections assembled within said die body with their lengthwise contiguous edges in clamping relationship, said sections having individual foraminous coverings provided with lengthwise marginal extensions overlying and clamped between the contiguous edges of adjacent die sections, certain of said sections having external tapered surfaces cooperating with said internal tapered surfaces of the die body to cause said sections to contract into clamping relationship with each other when the assembly of sections and their coverings are inserted axially into said die body, and means for retaining the assembly of said die sections and covering sections against displacement.

2,424,190
STUFFING BOX
Everett C. Read, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 3, 1942, Serial No. 445,619, which is a division of application Serial No. 123,789, February 3, 1937, now Patent No. 2,300,747, dated November 3, 1942. Divided and this application April 1, 1943, Serial No. 481,438
2 Claims. (Cl. 308—36.1)



1. A combined self-contained stuffing box assembly and guide applicable to and removable from the opening of an end head of a cylinder as a unit and comprising a packing housing constituted of a cylindrical bushing, means on the exterior of the inner end of the bushing abutting and having sealing engagement with the inner margin of the opening of the end head, the bushing also having an internal annular flange at its inner end, a sleeve-like guide having a flanged end inter-engaged with said internal flange and adapted to provide a guide for a piston rod and also functioning as an abutment for packing, packing housed in the bushing and having one end abutting the flanged end of the sleeve-like guide, a follower engageable with the opposite end of the packing for compressing the same, the outer end of the bushing projecting beyond the end head and readily releasable means co-acting with the projecting end of the bushing and with the end head for securing the bushing assembled with the end head.

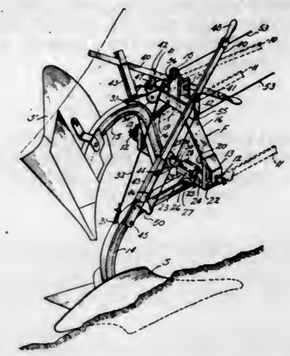
2,424,191
MACHINE FOR GRINDING TOOTHED GEARS
Alfred Rickenmann, Kusnacht, Zurich, Switzerland
Application August 24, 1945, Serial No. 612,341
In Switzerland March 10, 1945
12 Claims. (Cl. 51—71)



12. In a gear grinding machine of the character described, a base, a slide provided with means thereon for rotatably supporting a toothed workpiece for a grinding operation, said means including a driven shaft carried by said slide in axial alinement with the workpiece when mounted on said slide and adapted to rotate said workpiece, a drum rotatably adjustably mounted on said base, a guide way on one end face of said drum in which said slide is mounted for reciprocative movement, a first synchronous motor secured to said drum and having its armature shaft arranged at right angles with respect to the axis of rotation of said drum, a train of spur gears between said armature shaft and said driven shaft carried by the slide, the axes of all of the spur gears in said train of gears being parallel to each other, a grinding wheel, a guideway on said base, a slide on which said grinding wheel is mounted movable in said guideway toward and away from the end face of said drum on which said workpiece supporting slide is mounted, a second synchronous motor on said grinding wheel slide for operating the grinding wheel, and hydraulically operable means for adjusting the relative position of the grinding wheel slide with respect to the workpiece slide and for causing the workpiece slide to move in its guide way on said drum.

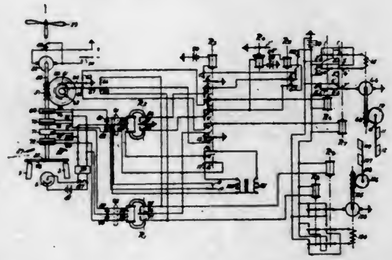
2,424,192
TWO-WAY PLOW
Harry Rogers, Bakersfield, and William Fisk Mellen, Whittier, Calif.
Application January 1, 1944, Serial No. 516,644
17 Claims. (Cl. 97—29)

1. A plowing construction comprising in combination: a support adapted for connection with a draft vehicle; a pair of plowshares mounted on said support, one of said plowshares being adapted to throw a furrow in an opposite direction from that of the other plowshare; means for selectively lowering said plowshares into operative position and raising them into inoperative position, said means including a jointed member movable past



dead center to a locked position to brace a lowered plowshare in operative position.

2,424,193
SELF-STEERING DEVICE
Helge Fabian Rost, Djursholm, Karl Harry Thunell, Nockeby, Sten Daniel Vigren, Stockholm, and Per Harry Elias Claesson, Jakobsberg, Sweden
Application July 31, 1940, Serial No. 348,702
In Great Britain August 16, 1939
14 Claims. (Cl. 250—1.54)



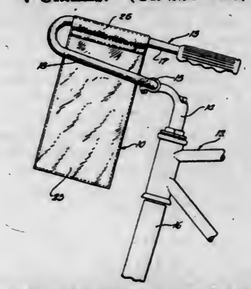
10. A self-steering device for aerial carriers, provided with at least one carrying plane and an adjustable rudder mechanism, said device comprising a sender for the emission of ultra-short wave radio energy in the general direction ahead of the carrier, a single receiving element adapted to receive the ultra-short wave energy emitted by said sender after reflection thereof from a target and its surrounding medium in a limited field of vision ahead of the carrier, a radio energy directing body associated with said receiving element and cyclically movable to admit to said receiving element, alternatively, the total radio energy from each of two equal parts of said limited field of vision located on opposite sides of a center plane dividing said total limited field of vision, means for moving said body back and forth between said two positions so as to pass, alternately, radio energy impulses reflected from said two equal parts of said limited field of vision to said receiving element in order to generate varying potentials in the latter, and control means for said rudder mechanism operating in function of the potentials generated in said receiving elements to steer the carrier towards the target.

2,424,194
EXTENSIBLE SHOULDER STOCK FOR FIREARMS
Frederick W. Sampson, Dayton, Ohio, and George J. Hyde, Brooklyn, N. Y., assignors to General Motors Corporation, a corporation of Delaware
Application May 1, 1944, Serial No. 533,570
4 Claims. (Cl. 42—72)



1. A firearm comprising a receiver, guideways on and at opposite sides of the receiver and extending parallel to the central longitudinal axis thereof, an extensible shoulder stock including spaced parallel bars slidably engaging said guideways, respectively, a latch movably mounted on the receiver to reciprocate substantially along the intersection of a plane normal to said receiver axis with a plane adjacent and parallel to the plane of said guideways, said bars having notches in complementary portions thereof, and said latch having spaced latch portions constructed and arranged to engage said notches to retain the stock in a definite position relatively to the receiver.

2,424,195
CARRIER ATTACHMENT
Frank W. Schwinn, Chicago, Ill.
Application April 19, 1945, Serial No. 589,209
7 Claims. (Cl. 224—36)

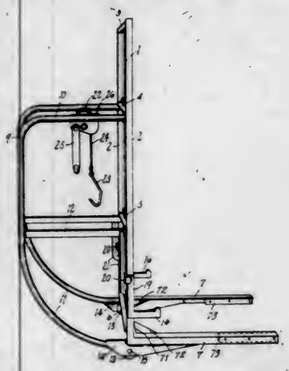


1. A carrier attachment for bicycles and the like including a handle bar stem and comprising, in combination, a fabric bag of generally rectangular shape and having a bottom, front and rear walls, and end walls, loops extending across the tops of said end walls, and means adapted to be fixedly secured to the handle bar stem at the front of the bicycle and having a pair of substantially rigid and parallel bar portions disposed forwardly of said stem and separated laterally of the bicycle by an amount substantially equal to the end-to-end width of said bag, said bar portions being removably extended through said loops to suspend the bag at the front of the bicycle and in front of the handle bar stem with the front, rear and end walls extended.

2,424,196
APPARATUS FOR HANDLING TRUCKS AND THE LIKE
Paul H. Sleeper, Albion, Mich., assignor to Domestic Industries, Inc., Chicago, Ill., a corporation of Illinois
Application October 19, 1944, Serial No. 559,435
14 Claims. (Cl. 214—1)

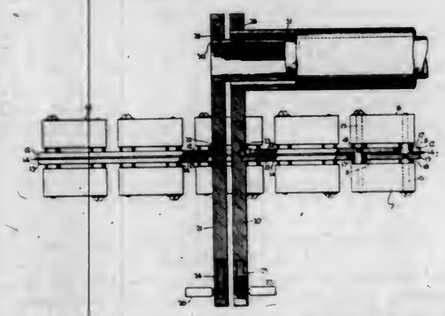
1. In an apparatus for handling trucks and

the like, the combination of a tiltable platform comprising side rails and connecting cross pieces, the side rails having a longitudinal series of holes, wheels disposed at one end of said platform and positioned to be operative when the platform is in upright position, a nose piece at the wheeled end of the platform adapted to be introduced under a truck to be handled and to limit the forward tilting of the platform, U-shaped support members for said platform, the arms of said support members at the wheeled end of the platform being curved and constituting rockers facilitating the tilting of the platform from a horizontal to



an upright position and vice versa, brackets having pins selectively engageable with said holes in said side rails and having arms disposed on the outer sides of the side rails provided with clips engaging the rear sides of the side rails, retaining bars for said brackets coacting with said clips, a winch mounted on one of said support members, and a cable provided with a hook engageable with a truck whereby a truck may be swung against the platform while the platform is in upright position and the truck supported in inverted position when the platform is adjusted to horizontal position.

2,424,197
CONNECTOR BLOCK
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 2, 1943, Serial No. 471,191
1 Claim. (Cl. 173—324)



A support for plural electrical units comprising parallel superposed conducting plates, an insulation sheet between said plates, and means for securing on both sides of said plates a plurality of electrical units each having two terminals, said means comprising pairs of connectors extending through said plates and insulation sheet at right angles thereto, each pair connector having attachment to a plate other than that to which the other pair member is attached.

2,424,198
CABLE TENSION REGULATOR
Vernon A. Tauscher, Inglewood, Calif.
Application September 21, 1944, Serial No. 555,126
3 Claims. (Cl. 267—1)

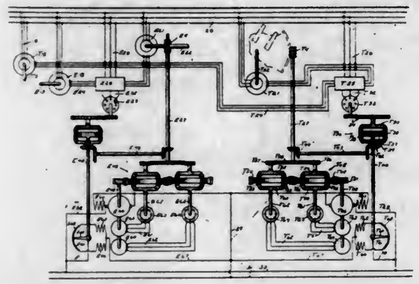


1. A tension regulator for regulating the tension of a control operating cable in an airplane, comprising a closed hydraulic fluid-filled cylinder; a piston structure in the cylinder having a rod extending therefrom to the exterior in engagement with the cable to be regulated; a compression spring in the outer end of the cylinder having engagement with the piston structure tending to shift it inwardly for tensioning of the engaged cable; said piston structure having a passageway therethrough for flow between opposite ends of the cylinder; abutments on said piston structure adjacent to the inner and outer ends thereof; valves in the form of annular disks movable on said piston structure between the respective ends of the piston structure and the abutments thereon for controlling the flow through said piston structure passageway; springs tending to hold said valves against their respective abutments for exposure of said piston structure passageway for flow therethrough; the peripheral surfaces of said valves being concentric with the inner surface of said cylinder; and said valves being comparatively thick and of such diameter as to leave only restricted annular capillary gaps between the valves and the cylinder; said valve springs functioning to hold said valves open for flow between the ends of said cylinder during slow and gradual movement of the piston structure in response to temperature variations in the cable, the flow resistance through said capillary gaps being such that when said piston structure is displaced more rapidly by operating tension of the cable or by the force of said compression spring, the displaced hydraulic fluid flow through said gaps will be checked and the built up pressure will cause substantially immediate closure movement of the respective valves to stop further flow and the further movement of the piston structure; and a packing ring about said piston to prevent leakage between the piston and cylinder when a valve is closed against the piston and the cable is tensioned.

2,424,199
1,3-EPOXYARYLOFURAZANES AS PARASITICIDAL PREPARATIONS
William P. ter Horst, Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 14, 1942, Serial No. 465,629
15 Claims. (Cl. 167—33)

1. The method of protecting organic material subject to attack by organisms which comprises treating said material with a halogenated 1,3-epoxyarylofurazane.

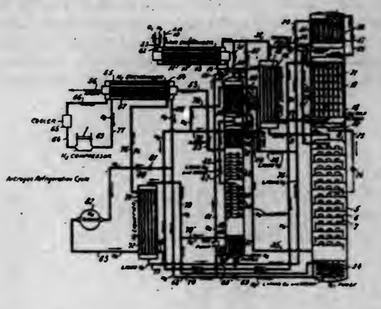
2,424,200
REMOTELY CONTROLLED LOAD MOVING AND POSITIONING SYSTEM
Lev A. Trofimov, Willoughby, Ohio
Application June 6, 1942, Serial No. 446,083
6 Claims. (Cl. 172—239)



1. In a power control system for moving a load and bringing it to rest to position it; a power unit; a pair of electrically energizable electromagnetic means associated with the power unit and effective to cause the power unit to supply power to the load to move it or bring it to rest in accordance with unequal or equal energization of said means respectively; a rheostat controlling relative energization of said means; a movable rheostat element having a normal position at which said means are equally energized; an electric motor for moving the rheostat element from said normal position to effect unequal energization of said means; means to transmit load movement to the rheostat element to return it to normal position; electric circuit means to supply electrical power to the electric motor; a pair of devices associated with the electric circuit means and controlling said supply of electric power to the motor thereby and the pair of devices being movable relative to each other and having corresponding balanced positions relative to each other at which no electric power is supplied to the motor and other and unbalanced positions relative to each other at which electric power is supplied to the motor; primary operating means to move one of said devices relative to the other to dispose the devices in unbalanced relative positions; and the other of said devices being movable relative to the said one of the devices responsive to load movement to dispose them in balanced relative positions.

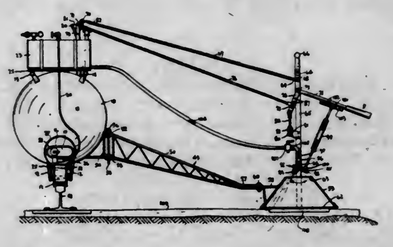
2,424,201
SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 19, 1944, Serial No. 523,076
18 Claims. (Cl. 62—175.5)

16. The method of separating the constituents of ternary gaseous mixtures which comprises liquefying the gaseous mixture in two fractions, rectifying the two fractions to separate an effluent consisting of the most volatile constitutent in substantial purity, withdrawing a vapor phase consisting of the other two constituents and a small proportion of the most volatile constituent, subjecting the withdrawn vapor phase to selective liquefaction to provide a gaseous effluent consisting of the most volatile constituent in substantial purity and a liquid consisting substantially of the other two constituents and rectifying



the latter liquid to separate and recover the constituents thereof.

2,424,202
RAILWAY TIE TREATING APPARATUS
Horace E. Woolery, St. Paul, Minn.; Myra Lillian Woolery, executrix of said Horace E. Woolery, deceased, assignor to Woolery Machine Company, Minneapolis, Minn., a corporation of Minnesota
Application April 28, 1944, Serial No. 533,118
12 Claims. (Cl. 91—44)

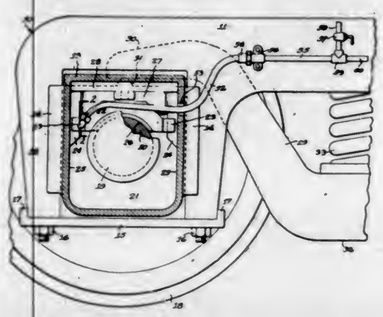


1. Apparatus of the character described for treating railroad track ties with a liquid, comprising a tank for the liquid, wheels supporting the tank for travel movements along one rail of the track, heating means associated with the tank for heating the liquid, spray means supported in laterally spaced relation to the tank for movement over and across the ties as the tank travels along the rail, and means for supplying said spray means with liquid from the tank, said supplying means including a pump located within the tank, a hand lever for actuating the pump, and a connection between said hand lever and the spray means operative to move the spray means and direct the spray therefrom over a limited area of each tie.

2,424,203
JOURNAL SAFETY DEVICE
Harry H. Wrightman, Detroit, Mich., and Harry W. Opdyke, Montpelier, Ohio
Application January 9, 1946, Serial No. 639,950
1 Claim. (Cl. 246—169)

A safety device for railway trains equipped with air brake systems comprising a bearing unit having an air passageway extending through a portion thereof, an air brake conduit coupling mounted at one end of said passageway for con-

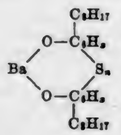
nection to said air brake system, a tubular fitting mounted at the other end of said passageway and having a bore therethrough terminating at its outer end in an enlarged counterbore, said fitting having a shoulder between said bore and counterbore and having a solid side wall surrounding said counterbore, a relatively low-melting fusible plug secured in the outer portion of said counterbore,



and a relatively high-melting pusher disc loosely and slidably mounted in the inner portion of said counterbore with one surface thereof in abutting engagement with said shoulder and the other surface in abutting engagement with said fusible plug, said pusher disc having an edge wall which is relatively thick in proportion to its diameter, guidingly engaging the side wall of said counterbore.

2,424,204
EXTREME PRESSURE LUBRICANTS
John C. Zimmer, Union, and John G. McNab, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 9, 1941, Serial No. 406,168
3 Claims. (Cl. 252—42.7)

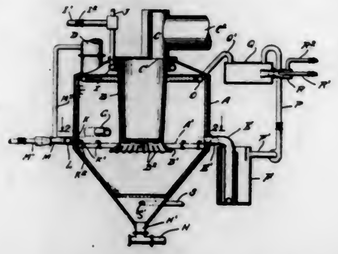
1. An extreme pressure lubricating agent containing chlorine in active form, sulfur, and a corrosion preventing amount of a compound having the general formula



where n is 1 to 2, and x is a number satisfying valence requirements.

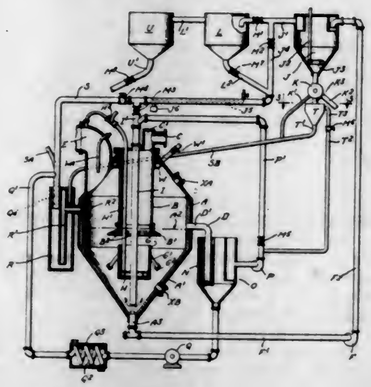
2,424,205
PRODUCTION OF AMMONIUM SULPHATE
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application February 10, 1943, Serial No. 475,371
5 Claims. (Cl. 23—119)

1. In the production of sulphate of ammonia crystals in a saturator in which a bath of sulphuric acid is maintained at the bottom of the tank and a gas space above the bath, the method which comprises passing ammonia containing gas through said saturator and into scrubbing contact with the bath liquor therein and thence through said gas space, and minimizing salt deposits on the portion of the tank wall adjacent the level of its intersection with the top surface of the bath by heating the portion of the bath immediately adjacent said wall to a temperature above the average temperature of the bath by injecting steam into said portion of the bath.



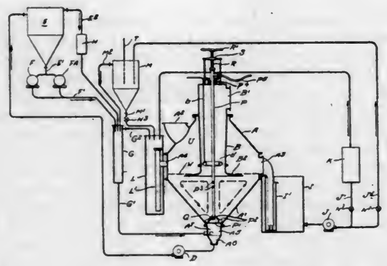
4. Apparatus for producing sulphate of ammonia by scrubbing contact of distillation gas with sulphuric acid liquor comprising in combination a saturator shell adapted to contain a bath of sulphuric acid in the lower portion thereof and having a withdrawal pipe constructed and located so as to establish an intermediate level of liquid therein, a vertically disposed pipe extending downwardly into said shell and having a flared mouth below said intermediate level, inlet means for gases into said pipe, and liquid heating means within and extending about the axis of the shell and disposed in an annular portion of the space therein adjacent the wall of the said shell and below but adjacent said intermediate level.

2,424,206
PRODUCTION OF AMMONIUM SULPHATE
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application June 25, 1943, Serial No. 492,265
3 Claims. (Cl. 23—119)



1. In the production of ammonium sulphate crystals by passing distillation gas from coke-oven plants containing ammonia into contact with sulphuric acid bath liquor in a saturator having a relatively quiescent crystal receiving space at its lower end opening upwardly into the crystal forming and bath space above it and having a horizontal cross section substantially smaller than the average horizontal section of the second mentioned space, the method which comprises the combination of agitating the upper crystal forming space to bring the crystals up to the upper supersaturated liquor layers of the bath, of withdrawing bath liquor containing crystals by a pump from the lower receiving space, of removing crystals from the bath liquor so withdrawn, and of returning the bath liquor from which the crystals have been withdrawn at a level below the agitated upper crystal forming space to the point of withdrawal of bath liquor from the lower receiving space by said pump.

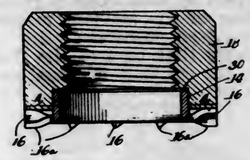
2,424,207
PRODUCTION OF AMMONIUM SULPHATE
Carl Otto, Manhasset, N. Y.
Application May 30, 1944, Serial No. 538,100
9 Claims. (Cl. 23—119)



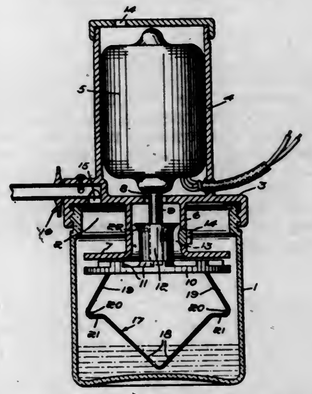
1. In the production of ammonium sulphate crystals by passing ammonia containing gas into contact with a sulphuric acid bath liquor in a saturator having a crystal receiving space at its lower end opening upwardly into the crystal forming and bath space about it and having an adjustable obturator within and adjacent the lower end of said saturator, said crystal receiving space and said bath space adjacent thereto and said obturator being so constructed as to afford on adjustment of said obturator, a variable space for flow of bath liquor from and to said crystal receiving space, the method which comprises the steps of fixing the extent of space for said flow by adjustment of said obturator, withdrawing bath liquor carrying crystals from said crystal receiving space, flowing bath liquor from an outside source into said crystal receiving space at a rate in excess of the rate at which the crystal bearing liquor is withdrawn therefrom such that the upward movement of liquor induced thereby in said crystal forming and bath liquor space restricts the settling rate of relatively smaller crystals into said crystal receiving space, and recirculating said small crystals in said bath space.

2,424,208
LOCKING DEVICE
Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation to Illinois
Application August 28, 1944, Serial No. 551,460
7 Claims. (Cl. 151—35)

1. A lock washer including an internal axially extending, annular body portion, and a plurality of locking teeth extending radially outward from a peripheral margin of said body portion and axially outwardly beyond the plane of an end margin of said body portion, said body portion being cylindrical and extending laterally from the base of said washer teeth a sufficient axial distance to provide washer retention means for the clamping side of a rotary threaded fastener whereby to reduce to a minimum the external diameter of the lock washer without sacrificing locking effectiveness.



2,424,209
VAPORIZER
John J. Richards, Brookline, Mass., assignor to Inez I. Cragin, Brookline, Mass.
Application May 24, 1945, Serial No. 595,635
5 Claims. (Cl. 261—91)

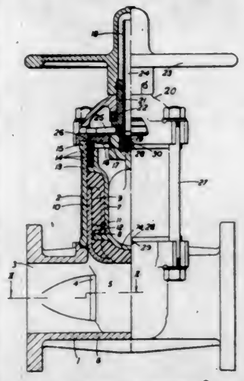


1. A vaporizer or the like comprising a container for the liquid to be vaporized, a removable cover for said container, said cover having an inlet port and an outlet port, an element rotatably supported by said cover, means to deliver air into said container through said inlet port, and a depending member carried by said element, said member being substantially V-shaped and of rod-like stock and shaped with its lower portions extending downwardly and inwardly into the liquid so that liquid is carried upwardly therealong by centrifugal force as said element rotates and with its upper portions extending upwardly and inwardly so that centrifugal force opposes upward travel of the liquid therealong, the intermediate portions of said member establishing a discharge portion disposed adjacent the wall of said container so that liquid discharged from said discharge portion by centrifugal force is vaporized by impact against said wall and carried by the delivered air through said outlet port.

2,424,210
FLUID CONTROLLING VALVE
Frank Sutton, Cwmbran, England
Application March 16, 1942, Serial No. 434,974
In Great Britain April 9, 1941
19 Claims. (Cl. 251—159)

18. A valve for fluids, comprising a body through which the fluid may flow, an arcuate

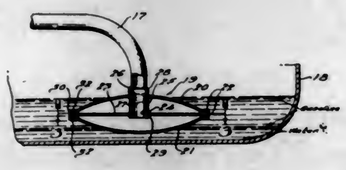
member of resilient material which in the closed position of the valve is subjected to volume compression and extends across a part of the fluid passage, and a thin shield of comparatively rigid material carried by and upon a portion of the obturating face of the resilient material, which shield in the closed position of the valve abuts upon and covers that part of the fluid passage across which the resilient material extends and



thereby prevents the resilient material from burgeoning into the passage, the shield covering that portion of the resilient material that in the closed position of the valve is aligned with the passageway of the valve to prevent the resilient material from bulging into the passageway, and exposing the resilient material to sealing contact throughout the periphery of the fluid passage to effect a tight seal.

2,424,211
GASOLINE FILTER
Edmond F. Webb, Franklin Village, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 26, 1942, Serial No. 436,233
4 Claims. (Cl. 210—170)

1. A filter unit comprising a pair of generally disc shaped porous sheet-like walls having fac-

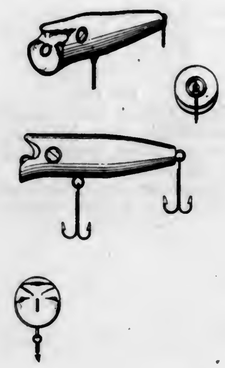


ing internal concaved sides and opposed external convexed sides, an intermediate reinforcing member extending across the space confined within said walls and comprising a perforated disc element having edge portions disposed between and adjacent the corresponding edge portions of said porous walls and having its main body portion spaced from said porous walls, a band surrounding and clampingly fixing together said edge portions of said porous walls and reinforcing member for cooperating with the latter to retain said porous walls against variation in curvature without obstructing the pores of the main body portions thereof, and an outlet tube leading from the interior of said unit having an open end within the latter attached to said reinforcing member.

DESIGNS

JULY 15, 1947

147,101
DESIGN FOR A FISH LURE
Louis D. Adams and Nelia G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill., a corporation of Illinois
Application February 14, 1946, Serial No. 126,545
Term of patent 7 years
(Cl. D31—4)



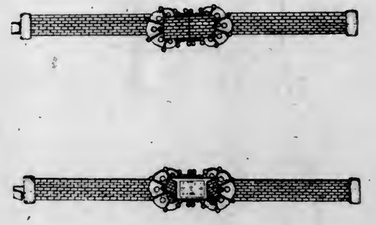
The ornamental design for a fish lure, as shown.

147,102
DESIGN FOR A FISH LURE
Louis D. Adams and Nelia G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill., a corporation of Illinois
Application February 14, 1946, Serial No. 126,546
Term of patent 7 years
(Cl. D31—4)



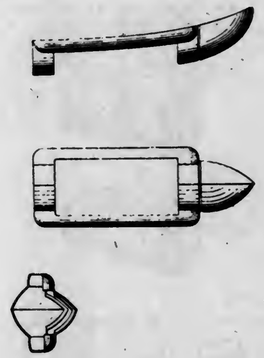
The ornamental design for a fish lure, as shown.

147,103
DESIGN FOR A COMBINED WRIST WATCH AND BRACELET
Claude Arpels, New York, N. Y.
Application July 26, 1946, Serial No. 131,966
Term of patent 3½ years
(Cl. D45—4)



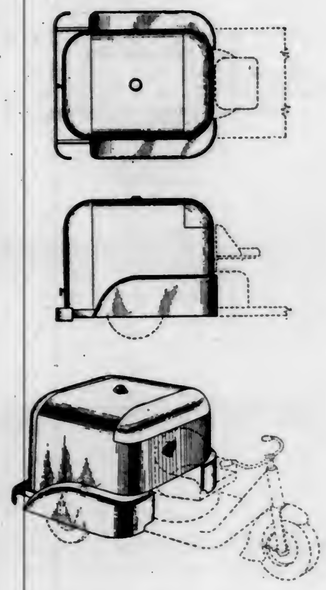
The ornamental design for a combined wrist watch and bracelet, substantially as shown.

147,104
DESIGN FOR A LENS HOUSING
Harry Thomas Bannister, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 29, 1945, Serial No. 125,111
Term of patent 7 years
(Cl. D48—32)



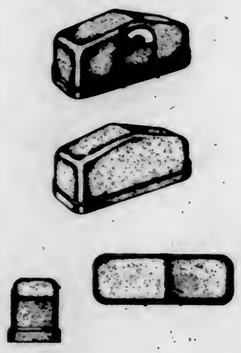
The ornamental design for a lens housing, substantially as shown.

147,105
DESIGN FOR A MOBILE SERVICE VEHICLE
Robert O. Borst, Pasadena, Calif.
Application November 2, 1945, Serial No. 123,418
Term of patent 3½ years
(Cl. D14—3)



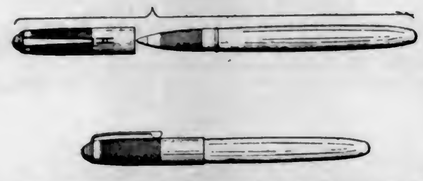
The ornamental design for a mobile service vehicle, as shown and described.

147,106
DESIGN FOR A HOUSING FOR ELECTRICAL APPARATUS
Philip Bradstock, Elyria, and Simon S. Maier, Lorain, Ohio, assignors to Guaranteed Products, Wellington, Ohio, a partnership consisting of Philip Bradstock and Simon S. Maier
Application November 14, 1945, Serial No. 123,724
Term of patent 3½ years
(Cl. D26—5)



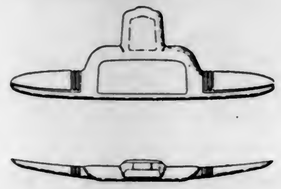
The ornamental design for a housing for electrical apparatus, as shown.

147,107
DESIGN FOR A FOUNTAIN PEN
Charles T. Breitenstein, Chicago, Ill., assignor, by mesne assignments, to Holly Pen Corporation, Chicago, Ill., a corporation of Illinois
Application April 6, 1946, Serial No. 128,343
Term of patent 3½ years
(Cl. D74—17)



The ornamental design for a fountain pen, substantially as shown and described.

147,108
DESIGN FOR A LENS HOUSING
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 29, 1945, Serial No. 125,099
Term of patent 7 years
(Cl. D48—32)



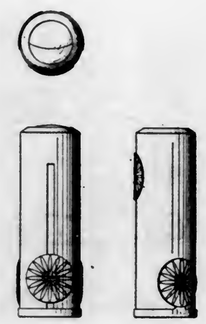
The ornamental design for a lens housing, substantially as shown and described.

147,109
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application October 28, 1946, Serial No. 134,310
Term of patent 14 years
(Cl. D45—9)



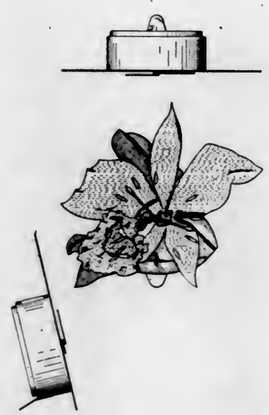
The ornamental design for an earring or similar article, substantially as shown.

147,110
DESIGN FOR A COSMETIC CONTAINER
Herbert A. Coe, Port Washington, N. Y.
Application June 11, 1946, Serial No. 130,605
Term of patent 14 years
(Cl. D86—10)



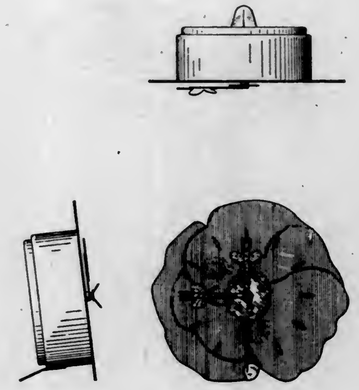
The ornamental design for a cosmetic container, as shown and described.

147,111
DESIGN FOR A CLOCK
Herbert A. Coe, Port Washington, N. Y.
Application October 11, 1946, Serial No. 133,886
Term of patent 14 years
(Cl. D42—7)



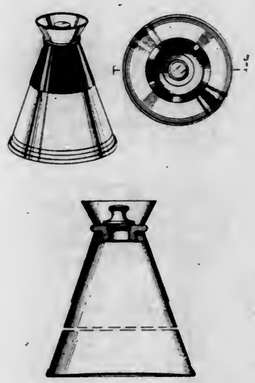
The ornamental design for a clock, as shown and described.

147,112
DESIGN FOR A CLOCK
Herbert A. Coe, Port Washington, N. Y.
Application October 12, 1946, Serial No. 133,914
Term of patent 14 years
(Cl. D42—7)



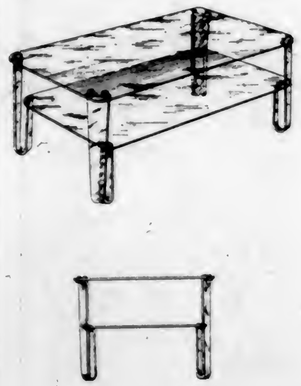
The ornamental design for a clock, as shown and described.

147,113
DESIGN FOR A COCKTAIL SHAKER
Andrew Cravaritis, Roslyn, N. Y.
Application May 8, 1946, Serial No. 129,444
Term of patent 14 years
(Cl. D2—3)



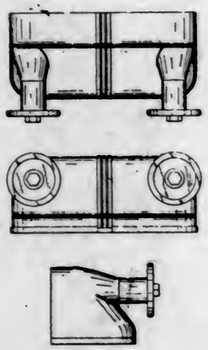
The ornamental design for a cocktail shaker, substantially as shown.

147,114
DESIGN FOR A TABLE
Leonard A. Cutrow, Los Angeles, Calif.
Application December 29, 1945, Serial No. 125,195
Term of patent 3½ years
(Cl. D33—14)



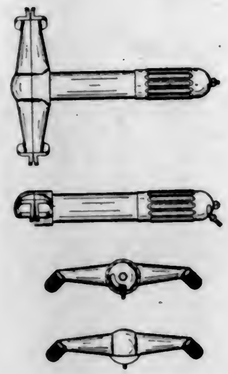
The ornamental design for a table, substantially as shown and described.

147,115
DESIGN FOR A COMBINED TIRE SUPPORT AND INSPECTION LIGHT
Harold W. Darr, Minneapolis, Minn., assignor to Char-Lynn Co., Minneapolis, Minn., a corporation of Minnesota
Application March 25, 1946, Serial No. 127,920
Term of patent 14 years
(Cl. D48—16)



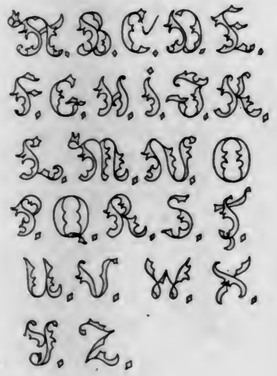
The ornamental design for a combined tire support and inspection light, substantially as shown.

147,116
DESIGN FOR A PORTABLE TIRE SPREADER
Harold W. Darr, Minneapolis, Minn., assignor to Char-Lynn Co., Minneapolis, Minn., a corporation of Minnesota
Application March 25, 1946, Serial No. 127,921
Term of patent 14 years
(Cl. D54—13)



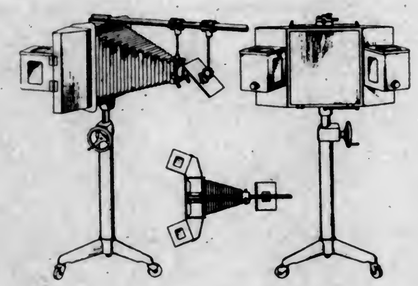
The ornamental design for a portable tire spreader, substantially as shown.

147,117
DESIGN FOR A FONT OF TYPE
Therrin J. Deckard, Joplin, Mo.
Application July 6, 1946, Serial No. 131,340
Term of patent 3½ years
(Cl. D64—12)



The ornamental design for a font of type, substantially as shown.

147,118
DESIGN FOR AN ART PROJECTOR
James W. Decker, New York, N. Y.
Application June 13, 1946, Serial No. 130,675
Term of patent 14 years
(Cl. D61—1)



The ornamental design for an art projector, as shown.

147,119
DESIGN FOR A WALL BRACKET
Freda Diamond, New York, N. Y., assignor to Syracuse Ornamental Co. Inc., Syracuse, N. Y., a corporation of New York
Application March 23, 1946, Serial No. 127,876
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a wall bracket, substantially as shown.

147,120
DESIGN FOR A COMBINED CIGAR CASE AND HUMIDIFIER
Oscar E. Dietrich, Lawrence, Mass.
Application May 14, 1946, Serial No. 129,695
Term of patent 14 years
(Cl. D85—2)



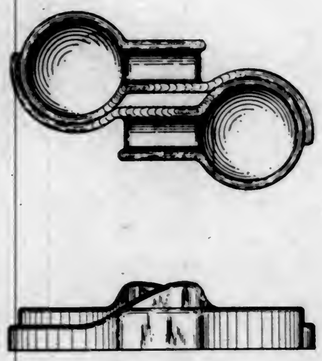
The ornamental design for a combined cigar case and humidifier, as shown.

147,121
DESIGN FOR A VASE
Elsie Luthy Fitzgerald, San Antonio, Tex.
Application November 29, 1945, Serial No. 124,204
Term of patent 7 years
(Cl. D29—28)



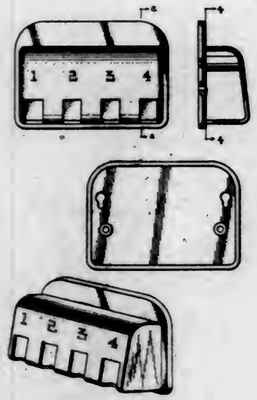
The ornamental design for a vase, as shown.

147,122
DESIGN FOR AN ASH TRAY
Bruce N. Flickinger, Glendale, Calif.
Application November 30, 1945, Serial No. 124,229
Term of patent 3½ years
(Cl. D85—2)



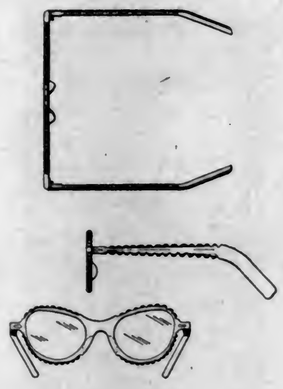
The ornamental design for an ash tray, as shown.

147,123
DESIGN FOR A TOOTHBRUSH CABINET
Mowry John Hanni, Painesville, Ohio
Application February 18, 1946, Serial No. 126,634
Term of patent 14 years
(Cl. D4—3)



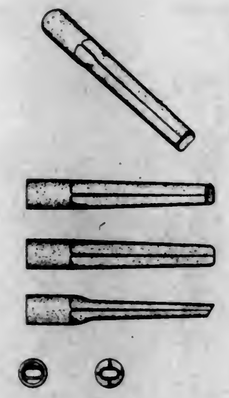
The ornamental design for a toothbrush cabinet, as shown.

147,124
DESIGN FOR A PAIR OF SPECTACLES
Sydney Harris, New York, and Walter H. Belz, Jackson Heights, N. Y.
Application May 25, 1946, Serial No. 130,068
Term of patent 7 years
(Cl. D57—1)



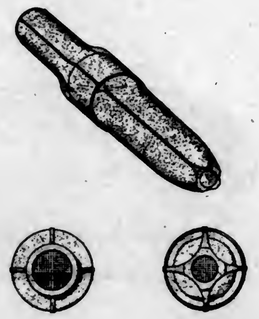
The ornamental design for a pair of spectacles, as shown and described.

147,125
DESIGN FOR A CREVICE TOOL FOR VACUUM CLEANERS
Richard E. Harvuot, Inglewood, Calif., assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif., a corporation of California
Application August 26, 1946, Serial No. 132,853
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a crevice tool for vacuum cleaners, substantially as shown.

147,126
DESIGN FOR A DEMOTHING ATTACHMENT FOR VACUUM CLEANERS
Richard E. Harvuot, Inglewood, Calif., assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif., a corporation of California
Application August 26, 1946, Serial No. 132,855
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a demothing attachment for vacuum cleaners, substantially as shown.

147,127
DESIGN FOR A HUNTING AND FISHING VEST OR SIMILAR ARTICLE
Harry M. Hutchinson, Carlisle, Pa.
Application August 5, 1946, Serial No. 132,297
Term of patent 7 years
(Cl. D3—4)

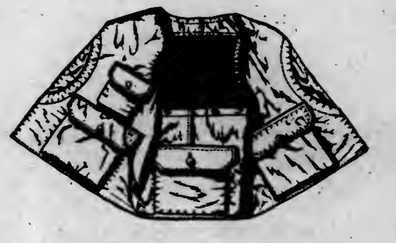




The ornamental design for a hunting and fishing vest or similar article, as shown.

147,128
DESIGN FOR A HUNTING AND FISHING VEST OR SIMILAR ARTICLE
Harry M. Hutchinson, Carlisle, Pa.
Application August 5, 1946, Serial No. 132,296
Term of patent 7 years
(Cl. D3—4)





The ornamental design for a hunting and fishing vest or similar article, as shown.

147,129
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 27, 1946, Serial No. 131,081
Term of patent 7 years
(Cl. D45—19)



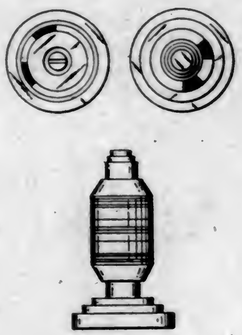
The ornamental design for a brooch or similar article, substantially as shown.

147,130
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 27, 1946, Serial No. 131,087
Term of patent 7 years
(Cl. D45—19)



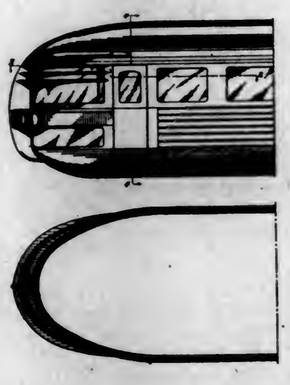
The ornamental design for a brooch or similar article, substantially as shown.

147,131
DESIGN FOR A LIGHTER
James Keenan, Los Angeles, Calif.
Application January 19, 1946, Serial No. 125,765
Term of patent 3½ years
(Cl. D48—27)



The ornamental design for a lighter, substantially as shown.

147,132
DESIGN FOR A RAILWAY VEHICLE
Otto Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 4, 1945, Serial No. 121,838
Term of patent 14 years
(Cl. D66—1)



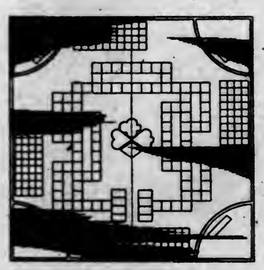
The ornamental design for a railway vehicle, substantially as shown and described.

147,133
DESIGN FOR A CHAIR
Onnie Mankki, Cleveland Heights, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 15, 1946, Serial No. 127,543
Term of patent 7 years
(Cl. D15—1)



The ornamental design for a chair, substantially as shown.

147,134
DESIGN FOR A GAME BOARD
William H. Matchett, Auburn, Calif.
Application May 6, 1946, Serial No. 129,354
Term of patent 14 years
(Cl. D34—5)



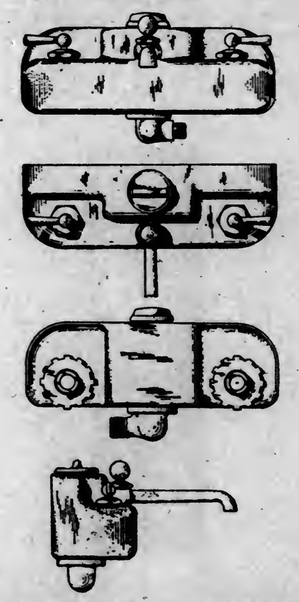
The ornamental design for a game board, as shown.

147,135
DESIGN FOR A COMBINED CHILD'S VEHICLE AND PACKAGE CARRIER
Peter Moran, Cleveland, Ohio
Application February 25, 1946, Serial No. 126,902
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a combined child's vehicle and package carrier, substantially as shown.

147,136
DESIGN FOR A DETERGENT SUPPLY TANK FOR DISHWASHING APPARATUS
Eugene M. Morehouse, Tujunga, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application February 20, 1946, Serial No. 126,725
Term of patent 3½ years
(Cl. D4—2)



The ornamental design for a detergent supply tank for dishwashing apparatus, substantially as shown.

147,137
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Charles M. Muench, New York, N. Y.
Application December 23, 1946, Serial No. 135,723
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

147,138
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Charles M. Muench, New York, N. Y.
Application December 23, 1946, Serial No. 135,724
Term of patent 7 years
(Cl. D3—32)



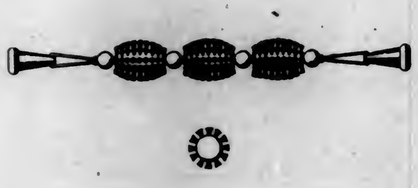
The ornamental design for an orphrey or similar article, substantially as shown.

147,139
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Charles M. Muench, New York, N. Y.
Application December 23, 1946, Serial No. 135,725
Term of patent 7 years
(Cl. D3—32)



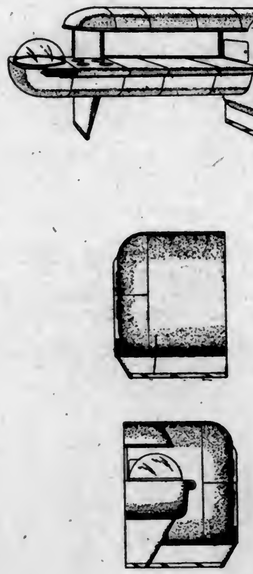
The ornamental design for an orphrey or similar article, substantially as shown.

147,140
DESIGN FOR A BRUSH OR SIMILAR ARTICLE
Valborg A. Nordeng, Shelly, Minn.
Application April 12, 1946, Serial No. 128,526
Term of patent 7 years
(Cl. D9—2)



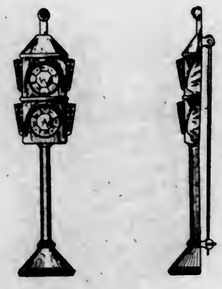
The ornamental design for a brush or similar article, as shown.

147,141
DESIGN FOR A COMBINATION KITCHEN UNIT
Joseph Oros, Inkster, Mich.
Application September 24, 1945, Serial No. 122,270
Term of patent 3½ years
(Cl. D33—13)



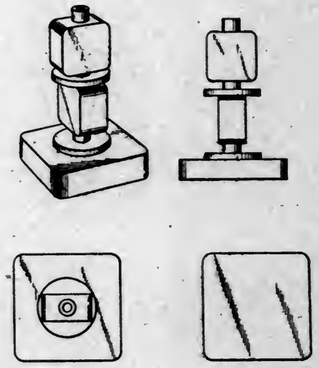
The ornamental design for a combination kitchen unit, substantially as shown.

147,142
DESIGN FOR A PIN OR SIMILAR ARTICLE
Morris Paschman, New York, N. Y.
Application February 14, 1946, Serial No. 126,566
Term of patent 3½ years
(Cl. D45—19)



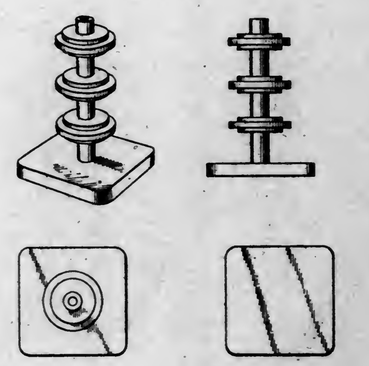
The ornamental design for a pin or similar article, as shown.

147,143
DESIGN FOR A LAMP BASE
Roger Q. Peck, Hawthorne, Calif.
Application December 14, 1945, Serial No. 124,751
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown.

147,144
DESIGN FOR A LAMP BASE
Roger Q. Peck, Hawthorne, Calif.
Application December 14, 1945, Serial No. 124,752
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown.

147,145
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Ernest L. Persons, Meriden, Conn., assignor of one-half to Ernest J. Martineau, Holyoke, Mass.
Application March 22, 1946, Serial No. 127,797
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, as shown.

147,146
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Ernest L. Persons, Meriden, Conn., assignor of one-half to Ernest J. Martineau, Holyoke, Mass.
Application March 22, 1946, Serial No. 127,798
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray or similar article, as shown.

147,147
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 26, 1946, Serial No. 131,045
Term of patent 7 years
(Cl. D45—19)



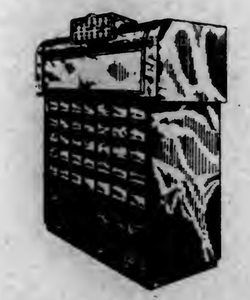
The ornamental design for a brooch or similar article, substantially as shown.

147,148
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,304
Term of patent 7 years
(Cl. D45—19)



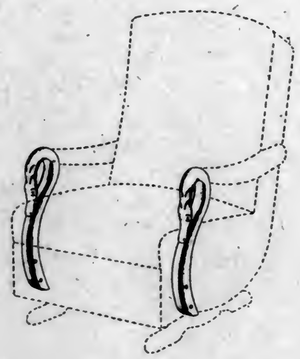
The ornamental design for a brooch or similar article, substantially as shown.

147,149
DESIGN FOR A FROZEN FOOD CABINET
Milton Rifkin, Chicago, Ill., assignor to Frez-O-Mat Sales Corporation, Chicago, Ill.
Application March 26, 1946, Serial No. 127,976
Term of patent 14 years
(Cl. D80—11)



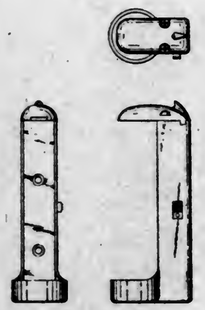
The ornamental design for a frozen food cabinet, as shown.

147,150
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
William C. Roberts, Chattanooga, and Henry B. Powell, McMinnville, Tenn.
Application April 5, 1946, Serial No. 128,298
Term of patent 14 years
(Cl. D15—1)



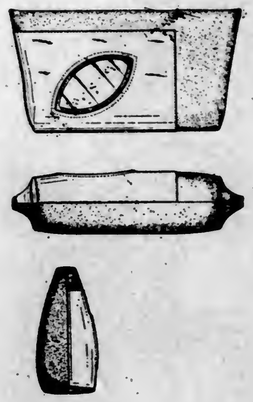
The ornamental design for a chair or similar article, as shown and described.

147,151
DESIGN FOR A BATTERY CHARGER
William G. Schinske, Sycamore, Ill., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill., a corporation of Delaware
Application July 30, 1945, Serial No. 121,058
Term of patent 3½ years
(Cl. D26—1)



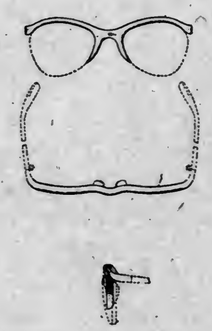
The ornamental design for a battery charger, as shown.

147,152
DESIGN FOR A WOMAN'S PURSE
Saul Spielberg, University City, Mo.
Application November 27, 1946, Serial No. 135,121
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a woman's purse, substantially as shown and described.

147,153
DESIGN FOR A SPECTACLE FRAME OR THE LIKE
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 2, 1946, Serial No. 125,228
Term of patent 14 years
(Cl. D57—1)



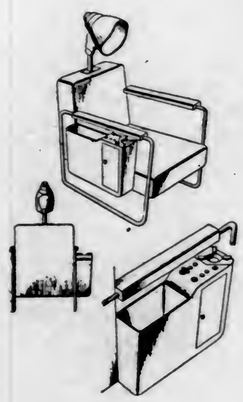
The ornamental design for a spectacle frame or the like, substantially as shown and described.

147,154
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
John G. Stanley, Norwood, Ohio
Application January 23, 1946, Serial No. 125,878
Term of patent 14 years
(Cl. D45—4)



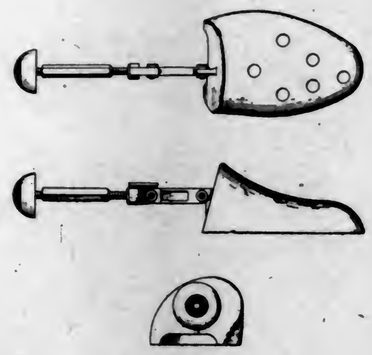
The ornamental design for a bracelet or similar article, substantially as shown.

147,155
DESIGN FOR A COMBINED CHAIR, HAIR DRYER, AND SUPPLY CABINET
William Stern, Islip, N. Y.
Application February 19, 1946, Serial No. 126,717
Term of patent 3½ years
(Cl. D86—10)



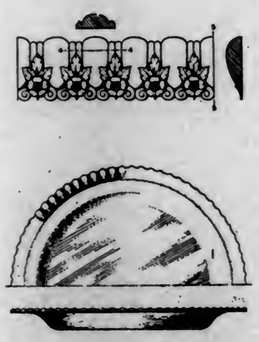
The ornamental design for a combined chair, hair dryer, and supply cabinet, as shown.

147,156
DESIGN FOR A SHOE TREE
Milton L. Sturm, Chicago, Ill.
Application May 6, 1946, Serial No. 129,349
Term of patent 14 years
(Cl. D7—3)



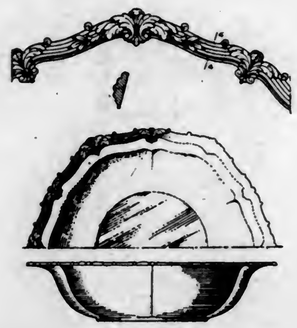
The ornamental design for a shoe tree, substantially as shown.

147,157
DESIGN FOR A DISH OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application April 10, 1946, Serial No. 128,453
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dish or other article of hollow ware, substantially as shown and described.

147,158
DESIGN FOR A DISH OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application April 10, 1946, Serial No. 128,454
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dish or other article of hollow ware, substantially as shown and described.

147,159
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application October 5, 1946, Serial No. 133,785
Term of patent 3½ years
(Cl. D47—6)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,160
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application October 8, 1946, Serial No. 133,819
Term of patent 3½ years
(Cl. D92—1)



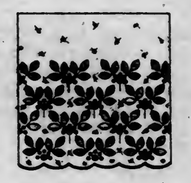
The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,161
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application October 9, 1946, Serial No. 133,843
Term of patent 3½ years
(Cl. D47—6)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,162
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application October 10, 1946, Serial No. 133,857
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,163
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application November 2, 1946, Serial No. 134,465
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,164
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Hans Tobler, Teaneck, N. J.
Application November 2, 1946, Serial No. 134,466
Term of patent 3½ years
(Cl. D92—1)



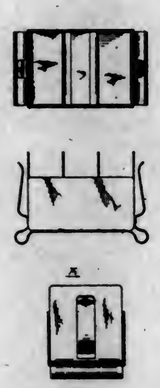
The ornamental design for an embroidered trimming or similar article, substantially as shown.

147,165
DESIGN FOR A CIGARETTE AND MATCH HOLDER
John D. Tuomey, Forest Hills, N. Y., assignor to Union Aircraft Products Corporation, New York, N. Y., a corporation of New Jersey
Application April 27, 1946, Serial No. 129,060
Term of patent 3½ years
(Cl. D85—2)



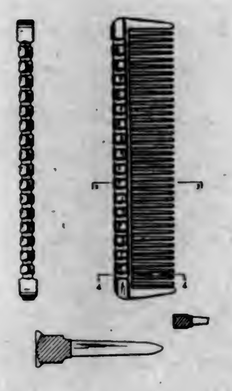
The ornamental design for a cigarette and match holder, as shown.

147,166
DESIGN FOR A CIGARETTE PACKAGE AND MATCH HOLDER
John D. Tuomey, Forest Hills, N. Y., assignor to Union Aircraft Products Corporation, New York, N. Y., a corporation of New Jersey
Application April 27, 1946, Serial No. 129,061
Term of patent 3½ years
(Cl. D85—2)



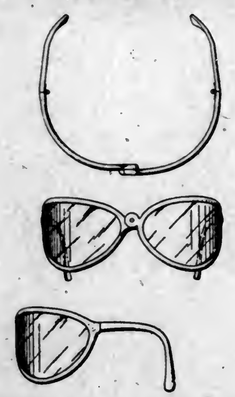
The ornamental design for a cigarette package and match holder, as shown.

147,167
DESIGN FOR A COMB
Lewis S. Utley, Forest Hills, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application September 17, 1946, Serial No. 133,380
Term of patent 7 years
(Cl. D86—8)



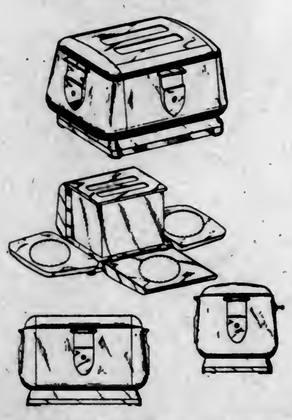
The ornamental design for a comb, substantially as shown.

147,168
DESIGN FOR A PAIR OF SUNGLASSES
Luis Alvarez Villanueva, Madrid, Spain
Application August 30, 1946, Serial No. 132,985
Term of patent 3½ years
(Cl. D57—1)



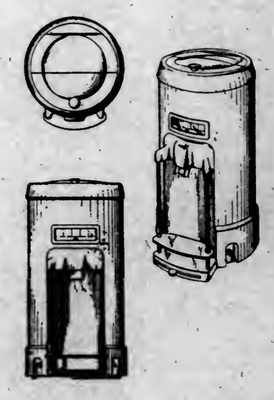
The ornamental design for a pair of sunglasses, as shown.

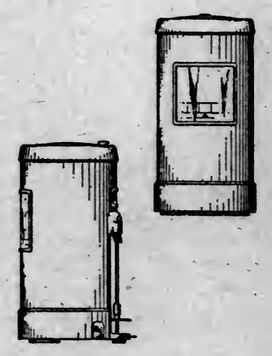
147,169
DESIGN FOR A COMBINED TOASTER AND HOT PLATE OR SIMILAR ARTICLE
Oscar M. Voiles, Royal Oak, Mich., assignor to Voiles Engineering Company, Royal Oak, Mich., a corporation of Michigan
Application February 11, 1946, Serial No. 126,481
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a combined toaster and hot plate or similar article, as shown.

147,170
DESIGN FOR A COFFEE MILL
George R. Wood, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 11, 1945, Serial No. 122,759
Term of patent 14 years
(Cl. D55—1)





The ornamental design for a coffee mill, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A and A Manufacturing Company, Chicago, Ill. Garden tools. Serial No. 505,997; July 15. Class 23.

Ace Manufacturing Corporation, Philadelphia, Pa. Unfinished or partially finished metal stampings, castings, and forgings. Serial No. 506,625; July 15. Class 14.

Airedale Worsted Mills, Inc., Woonsocket, R. I. Fabrics of printed tropical cloth in the piece. Serial No. 505,275; July 15. Class 42.

American Fluresit Company, The, Cincinnati, Ohio. Hydraulic compounds for coating surfaces of masonry structures. Serial No. 517,949; July 15. Class 12.

American Fluresit Company, The, Cincinnati, Ohio. Hydraulic cement base or compounds for coating surfaces of masonry structures. Serial No. 517,950; July 15. Class 12.

Andrews, Donald, Lodi, Calif. Fresh grapes. Serial No. 511,973; July 15. Class 46.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 502,104; July 15. Class 42.

Apex Specialties Company: *See*—
Carson, George M.

Avon Products, Inc., New York, N. Y. Lipsticks, rouges, and nail polish. Serial Nos. 510,757–8; July 15. Class 6.

Azzarello, J. V., El Centro, Calif. Fresh vegetables. Serial No. 501,108; July 15. Class 46.

Bemis Bro. Bag Company, St. Louis, Mo. Sewing threads. Serial No. 490,992; July 15. Class 43.

Blackman-Uhler Co., Spartanburg, S. C. Chemical cleaning preparation. Serial No. 500,358; July 15. Class 4.

Boyle and Company, Los Angeles, Calif. Ointment. Serial No. 508,968; July 15. Class 6.

Braun, Edward, doing business as Eulene Pearlcrafters, New York, N. Y. Synthetic pearls. Serial No. 514,174; July 15. Class 28.

Brearley Company, The, Rockford, Ill. Weighing scales. Serial No. 513,489; July 15. Class 26.

Calgon, Incorporated, Pittsburgh, Pa. Detergent chemical compound. Serial No. 507,041; July 15. Class 4.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial Nos. 511,062–3; July 15. Class 6.

Carson, George M., doing business as Apex Specialties Company, New York, N. Y. Sun glasses. Serial Nos. 514,004–5; July 15. Class 26.

Celanese Corporation of America, New York, N. Y. Sheets, films, foils, rods, etc. Serial No. 510,422; July 15. Class 1.

Claro Laboratories, South Bend, Ind. Shaving cream and skin salve. Serial No. 492,895; July 15. Class 4.

Clover Cravat Company: *See*—
Shaffer, Elmer E.

Combined Metals Reduction Company, Salt Lake City, Utah. Zinc slabs. Serial No. 507,464; July 15. Class 14.

Common Sense Manufacturing Co., Inc., Buffalo, N. Y. Preparations for destroying rats, mice, and other vermin. Serial Nos. 511,264–5; July 15. Class 6.

Common Sense Manufacturing Co., Inc., Buffalo, N. Y. Preparations for destroying rats, mice, roaches, etc. Serial No. 512,108; July 15. Class 6.

Continental Basic Materials Corporation, Chula Vista, Calif. Light weight aggregate of expanded perlite. Serial No. 517,554; July 15. Class 12.

Continental Coffee Company, Inc., Chicago, Ill. Noodle soup mix. Serial No. 501,956; July 15. Class 46.

Cover, Berkey E., Jr., administrator: *See*—
Cover, Berkey E., Sr.

Cover, Berkey E., Sr., deceased, doing business as Electra Vision, Berkey E. Cover, Jr., administrator, Chicago, Ill. Electrical equipment. Serial No. 484,249; July 15. Class 21.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Perfume, cologne, lipstick, etc. Serial Nos. 508,416–17; July 15. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Perfume, cologne, lipstick, etc. Serial No. 508,419; July 15. Class 6.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Perfume, cologne, lipstick, etc. Serial No. 508,421–2; July 15. Class 6.

Decapio, Andrew, doing business as Globe Cleaning Co., Mansfield, Ohio. Surface cleaning compound. Serial No. 503,355; July 15. Class 4.

Delday Mfg. Co.: *See*—
Dziedzic, Mary B.

De Pinna, A., Company, New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 510,147; July 15. Class 42.

Dereta, London, England. Women's coats and costumes and slacks, etc. Serial No. 503,356; July 15. Class 39.

Diamond Chemical Company, Corsicana, Tex. Ointment. Serial No. 510,884; July 15. Class 6.

Die Casting Machine Tools Ltd., London, England. Die casting machines and parts thereof. Serial No. 487,118; July 15. Class 23.

Drug Products Co., Inc., The, New York and Long Island City, N. Y. Pharmaceutical preparation. Serial No. 509,760; July 15. Class 6.

Dziedzic, Mary B., doing business as Delday Mfg. Co., Niagara Falls, N. Y. Cosmetics. Serial No. 508,211; July 15. Class 6.

Electra Vision: *See*—
Cover, Berkey E., Sr.

Eulene Pearlcrafters: *See*—
Braun, Edward.

Fischer Industries, Inc., Cincinnati, Ohio. Cleaning powder. Serial No. 507,813; July 15. Class 4.

Foscolo, Rosaria M. C., Paris, France. Perfumes, toilet waters, face and body creams, etc. Serial No. 508,473; July 15. Class 6.

Fuller Brush Company, The, Hartford, Conn. Toothbrushes. Serial No. 506,302; July 15. Class 29.

Gallowhur Chemical Corporation, Reading, Vt., and New York, N. Y., assignor to Gallowhur Chemical Corporation, Insecticides, germicides, disinfectants, etc. Serial No. 500,072; July 15. Class 6.

Geerlings Feed Mills: *See*—
Geerlings, Petrus J.

Geerlings, Petrus J., doing business Geerlings Feed Mills, Waterloo, Iowa. Commercial fertilizers. Serial No. 511,806; July 15. Class 10.

General Drug Company, New York, N. Y. Aromatic chemicals, essential oils, and flavor material. Serial No. 506,998; July 15. Class 6.

General Molded Products Inc., Des Plaines, Ill. Molded plastic industrial products, cases for electrical instruments, supports, etc. Serial No. 500,212; July 15. Class 21.

General Shoe Corporation, Nashville, Tenn. Shoe polish. Serial No. 508,279; July 15. Class 4.

Germain, Stanley A., doing business as Sultech Distributing Co., Glendale, Calif. Fertilizers. Serial No. 504,351; July 15. Class 10.

Gland-O-Lac Company, The, Omaha, Nebr. Drinking water preparation. Serial No. 508,994; July 15. Class 6.

Globe Cleaning Co.: *See*—
Decapio, Andrew.

Glostex Products, Inc., Chicago, Ill. Upholstery covers. Serial No. 511,014; July 15. Class 32.

Glostex Products, Inc., Chicago, Ill. Upholstery covers. Serial No. 511,465; July 15. Class 32.

Hallett, Henry M., Ludington, assignor to G. L. Joslin, Hart, Mich. Embalming fluid. Serial No. 510,588; July 15. Class 6.

Hallett, Henry M., Ludington, assignor to G. L. Joslin, Hart, Mich. Embalming fluid. Serial Nos. 510,590–1; July 15. Class 6.

Handman, Maurice, doing business as Maurella Products Co., assignor to Maurella Products Company, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, dry rouges, etc. Serial No. 489,511; July 15. Class 6.

Hepworth Machine Company, Inc., New York and Long Island City, N. Y. Centrifugal machines. Serial No. 511,875; July 15. Class 23.

Hospital Liquids, Inc., Chicago, Ill. Diuretic. Serial No. 511,217; July 15. Class 6.

Hydro-Sul Chemical Company, Newark, N. J. Liquid preparation containing colloidal sulphur. Serial No. 508,846; July 15. Class 6.

Jay-Originals, Inc., Boston, Mass. Skirts, shorts, slacks, etc. Serial No. 507,404; July 15. Class 39.

Joslin, Gayle L., assignee: *See*—
Hallett, Henry M.

Kathryn, Inc., assignee: *See*—
Daumit, Kay, Inc.

Kenrosa Limited, London, England. Toilet preparations, cosmetics, and perfumery. Serial No. 497,184; July 15. Class 6.

King Kone Corporation, New York, N. Y. Toast. Serial No. 511,157; July 15. Class 46.

Kolar Laboratories, Inc., Chicago, Ill. Antipruritic cream. Serial No. 503,578; July 15. Class 6.

Koppers Company, Inc., Kearny, N. J. Lavender scented naphthalene flakes, rose, pine and lavender scented naphthalene cakes, camphor-treated naphthalene cakes, etc. Serial No. 503,579; July 15. Class 6.

Lanolin Plus Cosmetics, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 510,323; July 15. Class 6.

Le Cert Perfumes, Milwaukee, Wis. Perfumes. Serial No. 508,661; July 15. Class 6.

Leurent, Robert, Parfumeur, Société à Responsabilité Limitée, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 510,543; July 15. Class 6.
Lewis-Hubbard Corporation, Charleston, W. Va. Household cleansing powder, toilet soap, soap powder, etc. Serial No. 506,947; July 15. Class 4.
Lewis-Hubbard Corporation, Charleston, W. Va. Matches. Serial No. 506,949; July 15. Class 9.
Londex Limited, London, England. Meters for electricity, meters for gases, flow meters for liquids, etc. Serial No. 488,965; July 15. Class 26.
Lovell, Nolan C., doing business as The Wingzol Soap Company, Birmingham, Ala. Perfumed soap, spot remover, window cleaner, etc. Serial No. 503,107; July 15. Class 4.
Mallon Chemical Corp., New York, N. Y. Liquid preparation for relief of pain, inflammation and distres in the rectum, etc. Serial No. 511,346; July 15. Class 6.
Manhattan Shirt Company, The, New York, N. Y. Mufflers. Serial No. 511,696; July 15. Class 39.
Maurella Products Co.: *See*—
Handman, Maurice.
Maurella Products Company, Inc., assignee: *See*—
Handman, Maurice.
McGraw Electric Company, Elgin, Ill. Electric home appliances. Serial No. 505,360; July 15. Class 21.
Metal Textile Corporation, West Orange, N. J. Cleaner devices. Serial No. 508,539; July 15. Class 4.
Meyers, A., & Sons Corp., New York, N. Y. Pin tickets, chalk, rubber bands, etc. Serial No. 506,538; July 15. Class 37.
Miami Products and Chemical Company, Dayton, Ohio. Preparation for cleaning toilet bowls. Serial No. 506,885; July 15. Class 4.
Miller, Heber N., doing business as The Miller Manufacturing Company, Morton, Ill. Granulated hand soap, white shoe dressing, and silver polish. Serial No. 504,058; July 15. Class 4.
Miller Manufacturing Company, The: *See*—
Miller, Heber N.
Mueller Mfg. Co.: *See*—
Mueller, Paul L.
Mueller, Paul L., doing business as Mueller Mfg. Co., Glendale, Calif. Spring hobby horse. Serial No. 504,857; published July 15. Class 22.
Naitove, S., & Co. Inc., New York, N. Y. Nylon fabric in the piece. Serial No. 510,189; July 15. Class 42.
National Drug Company, The, Philadelphia, Pa. Suspension of sulfadiazine. Serial No. 509,163; July 15. Class 6.
Natrasan Company: *See*—
Popular Home Products Corp.
Norcross, New York, N. Y. Greeting letter and note paper. Serial No. 493,808; July 15. Class 37.
Pacific Coast Fibers, Inc., Los Angeles, Calif. Reusable junk. Serial No. 505,613; July 15. Class 1.
Parfumerie Silka: *See*—
Roussel, Maurice.
Park Kilburn Drug Co., Brooklyn, N. Y. Pharmaceutical preparations. Serial No. 501,529; July 15. Class 6.
Pasachoff, Harry D., New York, N. Y. Medicinal ointment preparation. Serial No. 504,128; July 15. Class 6.
Person and Covey, Los Angeles, Calif. Pharmaceutical preparation. Serial No. 511,241; July 15. Class 6.
Phillips Process Co., Inc., Rochester, N. Y. Hand cleaner. Serial No. 504,928; July 15. Class 4.
Pollock Leather Co., Inc., New York, N. Y. Leather hides. Serial No. 507,216; July 15. Class 1.
Popular Home Products Corp., doing business as Natrasan Company, New York, N. Y. Laxatives. Serial No. 486,629; July 15. Class 6.
Preferred Products Company, Toledo, Ohio. Bolt and nut wrenches. Serial No. 500,245; July 15. Class 23.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Medicinal spray. Serial Nos. 509,369–70; July 15. Class 6.
Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Preparation for the treatment of arthritis and rheumatism. Serial No. 500,827; July 15. Class 6.
Robeson Rochester Corporation, Rochester, N. Y. Various electrical appliances. Serial No. 510,405; July 15. Class 21.
Rockford Propane Company, Rockford, Ill. Liquid petroleum gas. Serial No. 508,247; July 15. Class 6.
Rosanne Manufacturing Company, Inc., York, Pa. Brassière replacement back straps; girdle hooks; brassière shoulder straps, etc. Serial No. 512,933; July 15. Class 40.
Roussel, Maurice, doing business as Parfumerie Silka, Paris, France. Perfumes, toilet waters, rouges, etc. Serial No. 500,774; July 15. Class 6.
Saenz, Briones & Cia., Buenos Aires, Argentina. Perfumes, perfume extracts, essences, etc. Serial No. 481,435; July 15. Class 6.
Schulmerich Electronics, Inc., Sellersville, Pa. Electrically operated carillons or chimes and mechanically grooved phonograph records. Serial No. 506,969; July 15. Class 36.
Shaffer, Elmer E., doing business as Clover Cravat Company, Philadelphia, Pa. Men's neckwear. Serial No. 503,762; July 15. Class 39.
Shimbo Manufacturing Company, New Orleans, La. Metal polish. Serial No. 506,902; July 15. Class 4.
Sky Way Mfg. Co., New York, N. Y. Toy coaster wagons. Serial No. 504,075; July 15. Class 22.
Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparation. Serial No. 502,925; July 15. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparations. Serial Nos. 509,728–9; July 15. Class 6.
Smoosh Manufacturing Company, Los Angeles, Calif. All-purpose household cleaner. Serial No. 507,151; July 15. Class 4.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. Serial No. 509,731; July 15. Class 37.
Southern Dairies, Inc., Washington, D. C. Ice cream, ices, sherbets, etc. Serial No. 479,995; July 15. Class 46.
Standard Alcohol Company, Wilmington, Del., and New York, N. Y. Solvent material for use in the manufacture of inks. Serial No. 510,214; July 15. Class 11.
Standard Oil Company of New Jersey, Wilmington, Del. Antioxidant for rubber. Serial No. 508,132; July 15. Class 6.
Sultech Disributing Co.: *See*—
Germain, Stanley A.
Swel Products Company, Salt Lake City, Utah. All-purpose household washing compound. Serial No. 508,338; July 15. Class 4.
Teen-Timers, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 509,253; July 15. Class 36.
Thall, David, doing business as Thall's Home Remedies, Manchester, N. H. Cough syrup, mild stimulant diuretic, iron restorative tonic, etc. Serial No. 507,760; July 15. Class 6.
Thall's Home Remedies: *See*—
Thall, David.
Thompson Chemical Company, Pawtucket, R. I. Cleaners comprising solvents. Serial No. 506,786; July 15. Class 4.
Thompson Chemical Company, Pawtucket, R. I. Abrasive materials. Serial No. 506,787; July 15. Class 4.
Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Ferrous and a non-ferrous alloy. Serial No. 506,559; July 15. Class 14.
Uni-Commercial, Inc., New York, N. Y. Canned fruit, dried fruit, friut preserves, etc. Serial No. 504,719; July 15. Class 46.
U. S. Vitamin Corporation, New York, N. Y. Brand of protein hydrolysates. Serial No. 510,627; July 15. Class 6.
Uris Sales Corp., New York, N. Y. Combination cigarette lighters and cigarette cases. Serial No. 509,804; July 15. Class 8.
Viva, Lugano, Switzerland. Scientific blend of cocoa, sugar, dextrose, etc. Serial No. 511,712; July 15. Class 46.
Wentz, M. C., doing business as M. C. Wentz Co., Pasadena, Calif. Cologne and after-shave lotion. Serial No. 509,113; July 15. Class 6.
Wentz, M. C., doing business as M. C. Wentz Co., Pasadena, Calif. After-shave lotion. Serial No. 509,114; July 15. Class 6.
Wentz, M. C., doing business as M. C. Wentz Co., Pasadena, Calif. Cologne and after-shave lotion. Serial No. 509,117; July 15. Class 6.
Wentz, M. C., Co.: *See*—
Wentz, M. C.
White, Peter G., doing business as Whitemark Drug Co., New York, N. Y. Preparation for dandruff and other conditions leading to premature loss of hair. Serial No. 509,119; July 15. Class 6.
Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes. Serial No. 513,355; July 15. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. Serial No. 513,358; July 15. Class 29.
Whitemark Drug Co.: *See*—
White, Peter G.
Whittaker, Wm. R., Co., Ltd., Los Angeles, Calif. Nail enamel and nail enamel remover. Serial No. 508,080; July 15. Class 6.
Whorton Pharmacal Co., Gadsden, Ala. Preparation for treatment of skin conditions. Serial No. 499,931; July 15. Class 6.
Wingzol Soap Company, The: *See*—
Lovell, Nolan C.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline detergent composition. Serial No. 507,872; July 15. Class 4.
Zylite Optical Co. Inc., New York, N. Y. Eyeglass frames. Serial No. 513,860; July 15. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Implements used by physicians and surgeons. 431,293; July 15; Serial No. 514,874; published Apr. 29, 1947. Class 44.
Acme Evans Company, Indianapolis, Ind. Self-rising flour, dairy feed, scratch feed, etc. 220,571; renewed Nov. 9, 1946. O. G. July 15. Class 46.
Admiral Corporation, Chicago, Ill. Dry cells and dry batteries. 431,187; July 15; Serial No. 496,940; published Apr. 15, 1947. Class 21.
Aero-Kite Co.: *See*—
Litberg, Morris B.
Aktieselskabet H. E. Gosch & Co's Taendstikfabriker og Aktietaendstik-Fabriken Godthaab, Copenhagen, Denmark. Pencils. 221,337; renewed Nov. 30, 1946. O. G. July 15. Class 37.
Alien Property Custodian: *See*—
Romeo, F., Co.
Schlesinger, William A.
Allen, Mary, Candy Company: *See*—
Coukoulis, Frank.
Alvey Conveyor Manufacturing Co., St. Louis, Mo. Conveyors. 431,226; July 15; Serial No. 505,030; published Apr. 15, 1947. Class 23.
American Hydraulics, Inc., Sheboygan, Wis. Automotive jacks. 431,311; July 15. Class 23.
Ames Baldwin Wyoming Co.: *See*—
Ames Shovel and Tool Company.
Ames Shovel and Tool Company, Boston, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 225,905; renewed Mar. 29, 1947. O. G. July 15. Class 23.
Ames Shovel and Tool Company, Boston, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 226,596; renewed Apr. 12, 1947. O. G. July 15. Class 23.
Ames Shovel and Tool Company, Boston, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 226,600; renewed Apr. 12, 1947. O. G. July 15. Class 23.
Andreas, Henry J., Sanger, Calif. Fresh grapes. 431,269; July 15; Serial No. 508,775; published Apr. 22, 1947. Class 46.
Anthony, H. W., Company, Strausstown, Pa. Hosiery. 221,524; renewed Dec. 7, 1946. O. G. July 15. Class 39.
Apple Growers Association, Hood River, Oreg. Canned fruits. 431,346; July 15. Class 46.
Arden Farms Co., Los Angeles, Calif. Dairy products. 431,169; July 15; Serial No. 481,515; published Apr. 22, 1947. Class 46.
Arizona Citrus Products Company, Mesa, Ariz. Fresh citrus fruits. 431,221; July 15; Serial No. 503,624; published Apr. 15, 1947. Class 46.
Ashland Rubber Works: *See*—
Faultless Rubber Company, The.
Associated Merchandising Corporation, New York, N. Y. Lawn mowers. 431,223; July 15; Serial No. 503,858; published Apr. 15, 1947. Class 23.
Atlantic Plastikwear Fashions, Inc., New York, N. Y. Rain coats, rain capes, beach coats, etc. 431,353; July 15. Class 39.
Atlas Supply Company, Newark, N. J. Trickle chargers for charging storage batteries. 431,245; July 15; Serial No. 506,415; published Apr. 15, 1947. Class 21.
Bal-Dart Incorporated, Detroit, Mich. Oleous insulation in liquid form. 431,271; July 15; Serial No. 508,832; published Apr. 29, 1947. Class 21.
Bearing Distributors Company, Kansas City, Mo. Tractor cover. 431,358; July 15. Class 23.
Beckwith, L. C., assignee: *See*—
Yosemite Growers Cooperative Association.
Belden Manufacturing Company, Chicago, Ill. Insulated copper wire. 431,217; July 15; Serial No. 502,793; published Apr. 22, 1947. Class 21.
Besler Corporation, Emeryville, Calif. Fog generating machine. 431,203; July 15; Serial No. 499,607; published Apr. 22, 1947. Class 23.
Beutler, Herbert H., New York, N. Y. Trade publications issued periodically. 431,341; July 15. Class 38.
Binney & Smith Company, New York, N. Y. Dry powder to be used as a paint when mixed with water. 431,215; July 15; Serial No. 502,555; published Mar. 11, 1947. Class 16.
Blits Manufacturing Company, Inc., New York, N. Y. Finger rings. 431,238; July 15; Serial No. 505,729; published Apr. 8, 1947. Class 28.
Bon-Berger Co. Inc., Berkeley, Calif. Candy suckers. 431,249; July 15; Serial No. 506,855; published Apr. 22, 1947. Class 46.
Borg-Warner Corporation, Chicago, Ill. Gears for power transmissions for motor vehicles and aircraft, and parts thereof. 431,305; July 15. Class 23.
Bracke, R. F., & Company, Chicago, Ill. Carburetors. 431,252; July 15; Serial No. 507,102; published Apr. 15, 1947. Class 23.
Brinkhaus, H. A., & Sons: *See*—
Brinkhaus, Richard A.
Brinkhaus, Richard A., doing business as H. A. Brinkhaus & Sons, Louisville, Ky. Traveling bags, suitcases, brief cases and trunks. 431,284; July 15; Serial No. 513,023; published Apr. 29, 1947. Class 3.
Bruning, Charles, Company, Inc., New York, N. Y. Ammonia-developing sensitized papers. 431,206; July 15; Serial No. 500,276; published Apr. 22, 1947. Class 26.
Buckeye Soda Company, The, Painesville, Ohio. Washing soda. 225,954; renewed Mar. 29, 1947. O. G. July 15. Class 6.
Bunn Capitol Grocery Company: *See*—
Humphreys, J. F., & Co.
Bunte Brothers, Chicago, Ill. Candy. 227,112; renewed Apr. 26, 1947. O. G. July 15. Class 46.
Burchell, N. Landon, Washington, D. C., to Calcutta Club Products, Inc., New York, N. Y. Coffee. 57,579; renewed Nov. 13, 1946. O. G. July 15. Class 46.
Bureau of National Affairs, The: *See*—
United States News Publishing Corporation.
Bureau of National Affairs, Inc., The, assignee: *See*—
United States News Publishing Corporation.
Burgess, E. S., to Dairy Products Company, Atlanta, Ga. Liver and kidney tonic and remedy. 220,494; renewed Nov. 9, 1946. O. G. July 15. Class 6.
Burke & James, Inc., Chicago, Ill. Camera lenses, cameras, photographic enlargers, etc. 431,254; July 15; Serial No. 507,511; published Apr. 22, 1947. Class 26.
Burrous, Merit K., Canon City, Colo. Newspaper feature. 321,321; July 15. Class 38.
Calcutta Club Products, Inc.: *See*—
Burchell, N. Landon.
Camco Products Inc., New York, N. Y. Portable electric table ranges. 431,235; July 15; Serial No. 505,484; published Apr. 29, 1947. Class 21.
Capitol Products Company, Baltimore, Md. Mops. 431,212; July 15; Serial No. 501,955; published Mar. 4, 1947. Class 29.
Carlson Tool & Machine Company, assignee: *See*—
Carlson Tool and Machine Company.
Carlson Tool and Machine Company, Geneva, Ill., assignor to Carlson Tool & Machine Company. Machines for making and machines for trimimng all classes of household, personal and industrial brushes. 431,364; July 15. Class 23.
Carpenter Cook Company, Menominee, Mich. Cornstarch, evaporated milk, canned soups, etc. 227,069; renewed Apr. 26, 1947. O. G. July 15. Class 46.
Castle Key Corp., New York, N. Y. Novelty key bottle openers. 431,242; July 15; Serial No. 506,092; published Apr. 22, 1947. Class 23.
Caveliero Preparations Inc., to Lina Caveliero Company, Seattle, Wash. Face creams, face and skin lotions, hair tonics, etc. 220,579; renewed Nov. 9, 1946. O. G. July 15. Class 6.
Central Scientific Company, Chicago, Ill. Acetamide, acetanilide, acetic anhydride, etc. 226,615; renewed Apr. 12, 1947. O. G. July 15. Class 6.
Chase Candy Company, assignee: *See*—
Clinton Industries, Inc.
Churchward Engineering Co., New Haven, Conn. Welding electrode holders and parts thereof. 431,275; July 15; Serial No. 509,562; published Apr. 15, 1947. Class 21.
Clark, Louis H., New York, N. Y. Suitcases. 431,287; July 15; Serial No. 513,499; published Apr. 29, 1947. Class 3.
Clayborne Manufacturing Company, Chicago, Ill. Dynamometers. 431,263; July 15; Serial No. 508,141; published Apr. 29, 1947. Class 26.
Clinton Industries, Inc., doing business as Veribrite Factory, assignor to Chase Candy Company, Chicago, Ill. Candy. 431,195; July 15; Serial No. 498,597; published Apr. 15, 1947. Class 46.
Coccaro, Anthony C., doing business as Mercury Model Airplane Co., New York, N. Y. Airplane models and parts therefor. 431,291; July 15; Serial No. 514,589; published Apr. 22, 1947. Class 26.
Coger, Tucker & Cheney, Inc.: *See*—
Maltby, C. R., Co.
Colgate & Company, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powder perfumes, toilet water, talc powder, etc. 227,647; renewed May 10, 1947. O. G. July 15. Class 6.
Colgate-Palmolive-Peet Company: *See*—
Colgate & Company.
Columbia Steel Equipment Company, Philadelphia, Pa. Filing cabinets. 226,636; renewed Apr. 12, 1947. O. G. July 15. Class 32.
Commander Products, Chicago, Ill. Electric flat irons. 431,279; July 15; Serial No. 510,483; published Apr. 22, 1947. Class 21.
Compania de Jarcia de Matanzas, S. A., also known as Matanzas Cordage Company, Habana, Cuba. Rope. 431,281; July 15; Serial No. 512,323; published Apr. 22, 1947. Class 7.
Conde Nast Publications, Inc., The, New York, N. Y. Monthly magazine. 223,208; renewed Jan. 18, 1947. O. G. July 15. Class 38.

Cooperative Mills, Inc., Baltimore, Md. Mixture of ingredients for making pancakes. 431,170; July 15; Serial No. 482,051; published Apr. 15, 1947. Class 46.

Corn Fix Co., Inc., Newark, N. J. Remedy for warts. 227,603; renewed May 10, 1947. O. G. July 15. Class 6.

Corona Supply Company: *See*—
Corona Supply Co.

Corona Supply Co., to Corona Supply Company, Rochester, N. Y. Carbon-paper and typewriter ribbons. 61,727; re-renewed Apr. 2, 1947. O. G. July 15. Class 11.

Coukoulis, Frank, doing business as Mary Ellen Candy Company, Des Moines, Iowa. Candies. 431,211; July 15; Serial No. 501,829; published Apr. 15. Class 46.

Cowan, Con, Co.: *See*—
Cowan, Con G.

Cowan, Con G., doing business as Con Cowan Co., Los Angeles, Calif. Shelled salted peanuts. 431,179; July 15; Serial No. 490,529; published Apr. 15. Class 46.

Crawford's, Inc., Beverly Hills, Calif. Loud speakers. 431,278; July 15; Serial No. 510,381; published Apr. 22, 1947. Class 21.

Crazy Water Company, Mineral Wells, Tex. Writing paper and envelopes. 431,161; July 15; Serial No. 464,777; published May 14, 1946. Class 37.

Croft, Arthur C., New York, N. Y. Publication issued regularly. 431,360; July 15. Class 38.

Crosby, C. R., Company, The: *See*—
Cruikshank, Roy F.

Cruikshank, Roy F., doing business as The C. R. Crosby Company, Freeport, Ill. Window and glass cleaner. 431,354; July 15. Class 4.

Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 221,920; renewed Dec. 14, 1946. O. G. July 15. Class 46.

Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 223,448; renewed Feb. 1, 1947. O. G. July 15. Class 46.

Da-Da Toys Company: *See*—
Pelzmann, Alfred.

Dairy Products Company: *See*—
Burgess, E. S.

Deltox Rug Company, Oshkosh, Wis. Krinkle-braided rugs. 227,408; renewed May 3, 1947. O. G. July 15. Class 42.

Denison Engineering Company, Columbus, Ohio. Hydraulic presses. 431,301; July 15. Class 23.

Dennis, Norman S., Los Angeles, Calif. Clocks. 431,237; July 15; Serial No. 505,561; published Apr. 8, 1947. Class 27.

Deshell Laboratories, Inc., Chicago, Ill., to Wyeth Incorporated, Philadelphia. Remedy for constipation. 222,928; renewed Jan. 11, 1947. O. G. July 15. Class 6.

Diamond Label Food Company, assignor to Diamond Label Food Company, New Brunswick, N. J. Canned vegetables and canned fruits. 431,307; July 15. Class 46

Display Lighting, Incorporated, New York, N. Y. Electric spotlights and boomlights, and parts thereof. 431,277; July 15; Serial No. 510,016; published Apr. 15, 1947. Class 21.

Diversey Corporation, The, assignee: *See*—
Trojan Products & Mfg. Co.

Dixie Cup Company: *See*—
Individual Drinking Cup Co., Inc.

Dodge, Walter Luther, Chicago, Ill., to Whitehall Pharmacal Company, New York, N. Y. Preparation for the feet. 60,161; re-renewed Jan. 29, 1947. O. G. July 15. Class 6.

Dove Undies, New York, N. Y. Ladies' pajamas, nightgowns, and slips. 431,370; July 15. Class 39.

Draper and Maynard Company, The, Plymouth, N. H., to Sport Products, Inc., Cincinnati, Ohio. Striking-bags and appliances, Indian clubs, etc. 60,676; re-renewed Feb. 19, 1947. O. G. July 15. Class 22.

Duraltone Toy Company, Inc., Lynbrook, Long Island, N. Y. Toy xylophones. 431,196; July 15; Serial No. 498,609; published Apr. 22, 1947. Class 22.

Dutch Admiral Equipment Corporation: *See*—
Van Daalen, Henry A. S.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic film. 222,144; renewed Dec. 21, 1946. O. G. July 15. Class 26.

Eclipse Lawn Mower Co., The, Prophetstown, Ill. Lawn mowers. 227,104; renewed Apr. 26, 1947. O. G. July 15. Class 23.

Edgewater Packing Company, San Francisco, Calif. Canned sardines. 431,270; July 15; Serial No. 508,797; published Apr. 22, 1947. Class 46.

Elmer and Amend, New York, N. Y. Viscosimeter; falling drop apparatus for measuring density of body fluids, sub-sieve sizer for measuring particle size, etc. 431,182; July 15; Serial No. 494,045; published Apr. 22, 1947. Class 26.

Electrical Industries, Inc., Newark, N. J. Electrically heated food warmers and cookers; electrically heated bottle warmers, etc. 431,209; July 15; Serial No. 501,654; published Apr. 29, 1947. Class 21.

Esterbrook Pen Company, The, Camden, N. J. Writing, drawing, and lettering pens; fountain pens, feeds, etc. 431,200; July 15; Serial No. 499,219; published Apr. 8, 1947. Class 37.

Exeter Citrus Association, Exeter, Calif. Fresh citrous fruits. 227,227; renewed May 3, 1947. O. G. July 15. Class 46.

Farmco, Inc., Jersey City, N. J., and New York, N. Y. Household type electric clothes washing machines. 431,216; July 15; Serial No. 502,631; published Apr. 8, 1947. Class 24.

Faultless Rubber Company, The, also doing business as Ashland Rubber Works, Ashland, Ohio. Bulb syringes, combination syringes, fountain syringes and hot water bottles. 431,189; July 15; Serial No. 497,304; published Apr. 22, 1947. Class 44.

Faultless Rubber Company, The, Ashland, Ohio. Combination syringes, fountain syringes, and hot water bottles. 431,190; July 15; Serial No. 497,305; published Apr. 22, 1947. Class 44.

Faultless Rubber Company, The, also doing business as Ashland Rubber Works, Ashland, Ohio. Baby hot water bottles, hot water bottle syringe attachments, combination syringes, etc. 431,191; July 15; Serial No. 497,306; published Apr. 22, 1947. Class 44.

Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Photographic lenses. 431,267; July 15; Serial No. 508,590; published Apr. 22, 1947. Class 26.

Filene's, Wm., Sons Company, Boston, Mass. Suitcases, trunks, travelling bags, and handbags. 431,285; July 15; Serial No. 513,087; published Apr. 29, 1947. Class 3.

Firestone Tire & Rubber Company, The: *See*—
Locktite Patch Company.

Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Jewelry. 431,241; July 15; Serial No. 506,025; published Apr. 8, 1947. Class 28.

Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Jewelry. 431,246–7; July 15; Serial Nos. 506,437–8; published Apr. 8, 1947. Class 28.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Machine belts, machine drums, sieves, etc. 431,163; July 15; Serial No. 477,605; published Apr. 8, 1947. Class 23.

Food Machinery Corporation: *See*—
Rochester Rex Company, Inc.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning and cleansing materials. 235,073; renewed Nov. 8, 1947. O. G. July 15. Class 4.

Fort Mill Manufacturing Co., Fort Mill, S. C., to The Springs Cotton Mills, Lancaster, S. C. Sheets and pillowcases. 227,180; renewed May 3, 1947. O. G. July 15. Class 42.

Freedom-Valvoline Oil Company: *See*—
Valvoline Oil Company.

Freeman, I., & Sons, Inc., New York, N. Y. Silver flatware and hollowware. 431,260; July 15; Serial No. 507,978; published Apr. 8, 1947. Class 28.

Friedrich, Ed, Incorporated, San Antonio, Tex. Walk-in coolers, storage coolers, reach-in refrigerators, etc. 431,194; July 15; Serial No. 498,001; published Apr. 22, 1947. Class 31.

Fruh, A. W., & Company: *See*—
Fruh, Arthur W.

Fruh, Arthur W., doing business as A. W. Fruh & Company, Chicago, Ill. Electric burglar alarms, etc. 431,160; July 15; Serial No. 459,905; published Feb. 15, 1944. Class 21.

Fuller, D. B., & Co., Inc.: *See*—
Turner & Vandam, Inc.

Furane Plastics and Chemicals Company, Los Angeles, Calif. Liquid resins. 431,185; July 15; Serial No. 495,542; published Apr. 8, 1947. Class 1.

Gates Rubber Company, The, Denver, Colo. Printed publication. 431,361; July 15. Class 38.

General Cable Corporation, New York, N. Y. Bare and insulated electric wires and cables. 431,276; July 15; Serial No. 509,767; published Apr. 15, 1947. Class 21.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 226,492; renewed Apr. 12, 1947. O. G. July 15. Class 6.

General Machine Company, Inc., Emmaus, Pa. Automatic domestic coal burners and stokers. 431,289; July 15; Serial No. 513,932; published Mar. 25, 1947. Class 34.

General Motors Corporation, Detroit, Mich. Reciprocating, jet, and turbine engines and parts thereof; Diesel blowers, etc. 431,243; July 15; Serial No. 506,303; published Apr. 8, 1947. Class 23.

General Thread Mills, Inc., The, Boston, Mass. Cotton thread. 431,286; July 15; Serial No. 513,407; published Apr. 22, 1947. Class 43.

Gibson Good Tools, Inc., Orange, Mass. Hammers. 431,220; July 15; Serial No. 503,565; published Apr. 15, 1947. Class 23.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Insulating tape. 431,273; July 15; Serial No. 509,416; published Apr. 15, 1947. Class 21.

Gotham Hosiery Company, Inc.: *See*—
Lord & Taylor.

Graben & Bauer, New York, N. Y. Costume jewelry. 431,266; July 15; Serial No. 508,219; published Apr. 8, 1947. Class 28.

Graham Rotary File & Tool Corp., Philadelphia, Pa. Rotary files and burs. 431,326; July 15. Class 23.

Grand Pop Bottling Company: *See*—
Grand Pop Bottling Company, The.

Grand Pop Bottling Company, The, to Grand Pop Bottling Company, Cincinnati, Ohio. Nonalcoholic maltless beverages. 225,329; renewed Mar. 15, 1947. O. G. July 15. Class 45.

Great Neck Saw Manufacturers, Inc., Mineola, N. Y. Hand tools. 431,345; July 15. Class 23.

Greene, Mort, Hollywood, Calif. Imitation plastic ice cubes. 431,256; July 15; Serial No. 507,678; published Apr. 29, 1947. Class 31.

Grimaldi, Ignazio, Modesto, Calif. Fresh grapes. 431,233; July 15; Serial No. 505,198; published Apr. 15, 1947. Class 46.

Grinnell Lithographic Co., Inc., New York, N. Y. Stationery. 431,225; July 15; Serial No. 504,897; published Apr. 8, 1947. Class 37.

Groves, Frank, doing business as Frank Groves Company, San Francisco, Calif. Asbestos sheet packing; rubber sheets packing; metallic packing; etc. 431,172–3; July 15; Serial Nos. 485,409–10; published Apr. 1, 1947. Class 35.

Groves, Frank, doing business as Frank Groves Company, San Francisco, Calif. Asbestos sheet packing, rubber sheet packing, metallic packing, etc. 431,174; July 15; Serial No. 485,411; published Apr. 29, 1947. Class 35.

Groves, Frank, Company: *See*—
Groves, Frank.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 431,319; July 15. Class 27.

Gummed Products Company, The, Troy, Ohio. Gummed tape. 227,105; renewed Apr. 26, 1947. O. G. July 15. Class 37.

Gumpert, S., Co., Inc., Brooklyn, to S. Gumpert Co., Inc., Ozone Park, N. Y. Cakes. 226,218; renewed Apr. 5, 1947. O. G. July 15. Class 46.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Oil well pump plungers. 431,227; July 15; Serial No. 505,103; published Apr. 22, 1947. Class 23.

H. O. Drug Company: *See*—
O'Shaughnessy, William J.

Haffner, Brothers Company, The, Cincinnati, Ohio. Sole leather and harness leather. 226,278; renewed Apr. 5, 1947. O. G. July 15. Class 1.

Hampton Modern, Inc., Paterson, N. J. Living room, dining room, kitchen, and bridge tables and chairs, davenports, etc. 431,320; July 15. Class 32.

Hardtmuth, L. & C., Vienna and Budweis, Austria-Hungary, and London, England, to L. & C. Hardtmuth, Inc., Bloomsbury, N. J. India-rubber pencil-erasers. 61,599; re-renewed Mar. 26, 1947. O. G. July 15. Class 37.

Hardtmuth, L. & C., Inc.: *See*—
Hardtmuth, L. & C.

Hearst Publications, Incorporated: *See*—
Hearst, William R.

Hearst, William R., New York, N. Y., to Hearst Publications, Incorporated, San Francisco, Calif. Newspaper. 57,354; re-renewed Nov. 13, 1946. O. G. July 15. Class 38.

Hechter, Abraham, Brooklyn, N. Y. Harness, safety straps for children. 431,333; July 15. Class 3.

Heinz Company, Allegheny, to H. J. Heinz Company, Pittsburgh, Pa. Pickles, chow-chow, sauerkraut, etc. 61,051–2; re-renewed Mar. 5, 1947. O. G. July 15. Class 46.

Heldeman Brothers, Jamestown, N. Y. Clothes pins. 431,327; July 15. Class 24.

Hills, McLean & Haskins, Incorporated, Binghamton, N. Y. Candy. 223,094; renewed Jan. 18, 1947. O. G. July 15. Class 46.

Hills, McLean & Haskins, Incorporated, Binghamton, N. Y. Writing paper and correspondence envelopes. 223,330; renewed Feb. 1. 1947. O. G. July 15. Class 37.

Horn Manufacturing Company, Fort Dodge, Iowa. Tractor mounted loader attachment. 431,351; July 15. Class 23.

Hughel, C., Company, The: *See*—
Hughel, Clarence.

Hughel, Clarence, Indianapolis, Ind., to The C. Hughel Company, Madison, N. C. Hair-tonics and dandruff cures. 61,775; re-renewed Apr. 2, 1947. O. G. July 15. Class 6.

Humbert, Alfred, & Son, Philadelphia, Pa. Wedding rings. 337,181; renewed May 3, 1947. O. G. July 15. Class 28.

Humphrey, J. F., & Co., Bloomington, to Bunn Capitol Grocery Company, Springfield, Ill. Baking-powder, canned goods, coffee, etc. 29,592; re-renewed Feb. 23, 1947. O. G. July 15. Class 46.

Hygrade Food Products Corporation: *See*—
Parker, Webb & Co.

Hyster Company, Portland, Oreg. Lift trucks. 431,365; July 15. Class 23.

Individual Drinking Cup Co., Inc., Easton, Pa., to Dixie Cup Company, Chicago, Ill. Metal cases and boxes for dispensing cups. 226,507; renewed Apr. 12, 1947. O. G. July 15. Class 2.

International Cigar Machinery Company: *See*—
Smith, Stephen D.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 227,532; renewed May 10, 1947. O. G. July 15. Class 39.

Jackson, Samuel A., doing business as Jackson and Shearer, Bloomfield, N. J. Metal cleaner and polish. 431,349; July 15. Class 4.

Jackson and Shearer: *See*—
Jackson, Samuel A.

Johnson, S. C., & Son, to S. C. Johnson & Son, Inc., Racine, Wis. Electric floor-polishing machines. 227,213; renewed May 3, 1947. O. G. July 15. Class 21.

Johnson, S. C., & Son, Inc.: *See*—
Johnson, S. C., & Son.

K-Jax: *See*—
White, John L.

K. & K. Electric Toy Co., New York, N. Y. Question and number game. 431,324; July 15. Class 22.

Kemp & Beatley, Inc., New York, N. Y. Textile fabrics in the piece. 431,359; July 15. Class 42.

Keystone Varnish Company: *See*—
Nassau, James, Company, Inc.

Keystone Varnish Company, Brooklyn, N. Y. Floor wax and furniture polish. 222,531; renewed Jan. 4, 1947. O. G. July 15. Class 16.

Keystone Varnish Company, Brooklyn, N. Y. Cleaning preparation, not a soap. 222,664; renewed Jan. 4, 1947. O. G. July 15. Class 4.

Kilmer & Co., Incorporated, Stamford, Conn. Fruit flavoring preparations. 431,208; July 15; Serial No. 501,389; published Apr. 22, 1947. Class 46.

Kleinert, I. B., Rubber Company, New York, N. Y. Slip-over garment shields. 224,103; renewed Feb. 15, 1947. O. G. July 15. Class 40.

Krier Preserving Company, The, Belgium, Wis. Canned vegetables. 431,248; July 15; Serial No. 506,672; published Apr. 22, 1947. Class 46.

Krug Baking Company of New York, Inc., The, Mount Vernon, N. Y. Frozen foods. 431,213; July 15; Serial No. 502,220; published Apr. 22, 1947. Class 46.

Kummer, Ed., S. A. (Ariston Inventic) Manufacture d'Horlogerie de Bettlach, Bettlach, Switzerland. Watches and watch parts. 431,325; July 15. Class 27.

Lanair Chemical Corporation, Chicago, Ill. Insecticides, liquid. 226,628; renewed Apr. 12, 1947. O. G. July 15. Class 6.

Lancaster, B. L., Company, Sacramento, Calif. Dried prunes, dried raisins, vinegar, and tomato catsup. 431,171; July 15; Serial No. 482,289; published Apr. 15, 1947. Class 46.

Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. 227,311; renewed May 3, 1947. O. G. July 15. Class 39.

Langley Corporation, San Diego, Calif. Instrument for measuring the size and indicating the weight of fish. 431,255; July 15; Serial No. 507,643; published Apr. 29, 1947. Class 26.

Langley Corporation, San Diego, Calif. Fishing reels. 431,290; July 15; Serial No. 514,048; published Apr. 29, 1947. Class 22.

La Ray Engineering & Equipment Co., Milwaukee, Wis. Gantry hoists. 431,175; July 15; Serial No. 485,873; published Apr. 8, 1947. Class 23.

Larus & Brother Company, Inc., Richmond, Va. Cigarettes. 431,204–5; July 15; Serial Nos. 500,090–1; published Apr. 8, 1947. Class 17.

Lazy Ike Bait Co., Preston, Minn. Fish lures. 431,240; July 15; Serial No. 505,965; published Apr. 29, 1947. Class 22.

Lefkowitz, Louis, & Bro., Inc., New Brunswick, N. J. Camera cases. 431,202; July 15; Serial No. 499,500; published Apr. 29, 1947. Class 26.

Lewis, Dallas B., doing business as Lewis Food Company, Los Angeles, Calif. Dog and cat food. 431,329; July 15. Class 46.

Lewis Food Company: *See*—
Lewis, Dallas B.

Lighters, Ltd.: *See*—
Proctors Products.

Lina Cavaliero Company: *See*—
Cavaliero Preparations Inc.

Litberg, Morris B., doing business as Aero-Kite Co., Chicago, Ill. Toy kites. 431,210; July 15; Serial No. 501,671; published Apr. 29, 1947. Class 22.

Locktite Patch Company, Detroit, Mich., to The Firestone Tire & Rubber Company, Akron, Ohio. Tire patch. 221,535; renewed Dec. 7, 1946. O. G. July 15. Class 35.

Lord & Taylor, to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 61,276; re-renewed Mar. 12, 1947. O. G. July 15. Class 39.

Lowe, Joe, Corporation, New York, N. Y. Variegated ice cream and flavoring materials. 431,264; July 15; Serial No. 508,159; published Apr. 22, 1947. Class 46.

Luther Grinder & Tool Co., Sheboygan, Wis. Portable tool bench grinders, sickle grinders, and portable vises. 431,312; July 15. Class 23.

Lynchburg Planter Manufacturing Co., Lynchburg, Va. Hand transplanters. 431,355; July 15. Class 23.

Lynn Umbrella Mfg. Co., Boston, Mass. Umbrellas. 431,180; July 15; Serial No. 492,447; published Apr. 29, 1947. Class 41.

Mack, Chas. Douglis, Co. Inc., New York, to Morris Mack, Jamaica, N. Y. Men's, boys', and youths' clothing. 223,631; renewed Feb. 8, 1947. O. G. July 15. Class 39.

Mack, Morris: *See*—
Mack, Chas. Douglis, Co. Inc.

Madelon Modes, Inc., New York, N. Y. Women's apparel. 227,678; renewed May 10, 1947. O. G. July 15. Class 39.

Magic Soap & Chemical Co.: *See*—
Scheibner, Rudolph.

Maine Steel Inc., South Windham, Maine. Power shovels, back hoes, bull dozers, etc. 431,344; July 15. Class 23.

Mallinckrodt Chemical Works, St. Louis, Mo. Stabilized assimilable iodide-containing substances. 431,168; July 15; Serial No. 480,463; published Apr. 22, 1947. Class 46.

Maltby, C. R., Co., to Coger, Tucker & Cheney, Inc., Corning, N. Y. Coffee and tea. 60,448; re-renewed Feb. 12, 1947. O. G. July 15. Class 46.

Manofsky, Albert E., Detroit, Mich. Whirling toy. 431,198; July 15; Serial No. 498,788; published Apr. 29, 1947. Class 22.

Manufacture des Montres Universal, Perret et Berthoud S. A. (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Watches, stop watches, alarm clocks, etc. 431,165; July 15; Serial No. 479,585; published Apr. 8, 1947. Class 27.

Manufacture des Montres Universal, Perret et Berthoud S. A. (Universal Watch Factory, Perret & Berthoud Ltd.), Geneva, Switzerland. Watches, stop watches, alarm clocks, etc. 431,166–7 July 15; Serial Nos. 479,587–8; published Apr. 8, 1947. Class 27.

Marvel Jewelry Manufacturing Co., Providence, R. I. Watch bracelets. 431,218; July 15; Serial No. 502,908; published Apr. 8, 1947. Class 28.

Mastergrip Utilities Supply Corporation, St. Louis, Mo. Electrical grounding assemblies. 431,280; July 15; Serial No. 510,853; published Apr. 22, 1947. Class 21.

Matanzas Cordage Company: *See*—
Compania de Jarcia de Matanzas, S. A.

Matchless Metal Polish Company, The: *See*—
Matchless Metal Polish Co., The.

Matchless Metal Polish Co., New York, N. Y., and Chicago, Ill., to The Matchless Metal Polish Company, Chicago, Ill. Material for cleaning and polishing metal, glass, and marble. 57,565; re-renewed Nov. 13, 1946. O. G. July 15. Class 4.

Matchless Metal Polish Co., The, New York, N. Y., and Chicago, Ill., to The Matchless Metal Polish Company, Chicago, Ill. Material for cleaning and polishing metal, glass, and marble. 57,736; re-renewed Nov. 27, 1946. O. G. July 15, 1947. Class 4.

Mayers, L. & C., Co. Inc., New York, N. Y. Watches and clocks. 431,334; July 15. Class 27.

McKee, Joseph B., doing business as Multi Mfg. Co., Los Angeles, Calif. Babies toy rattles. 431,292; July 15; Serial No. 514,614; published Apr. 29, 1947. Class 22.

McMullin, Mattie, Sikeston, Mo. Hybrid corn seed. 431,315; July 15. Class 1.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Automotive and aircraft engine parts and tools. 431,368; July 15. Class 23.

Mercury Model Airplane Co.: *See*—
Coccaro, Anthony C.

Merita, Inc., New York, N. Y. Powder mitts and puffs. 431,366; July 15. Class 29.

Messinger, Hal, Associates, Inc., Tampa, Fla., and Playa Del Rey, Calif. Devices for attachment to the feet for use as aids in swimming. 431,294; July 15; Serial No. 518,470; published Apr. 22, 1947. Class 22.

Metro Toy Company, New York, N. Y. Toys. 431,197; July 15; Serial No. 498,708; published Apr. 29, 1947. Class 22.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 431,265; July 15; Serial No. 508,177; published Apr. 8, 1947. Class 28.

Meyer & Lange, Inc., New York, N. Y. Canned caviar. 227,512; renewed May 10, 1947. O. G. July 15. Class 46.

Middlesex Wholesale Grocery Company, New Brunswick, N. J. Canned vegetables, canned fruits, and canned cranberry sauce. 431,367; July 15. Class 46.

Minard Company: *See*—
Minard's Liniment Manufacturing Company.

Minard's Liniment Manufacturing Company, Framingham and Boston, to Minard Company, Hyannis, Mass. Liniment. 58,802; re-renewed Dec. 25, 1946. O. G. July 15. Class 6.

Minnesota Mill Works: *See*—
Waldorf, Earl M.

Moe-Bridges Corporation, Sheboygan, Wis. Electric fluorescent lamp lighting fixtures. 431,323; July 15. Class 21.

Morgan: *See*—
Morgan Tire Company.

Morgan Tire Company, doing business as Morgan, Cincinnati, Ohio. Tire repair units. 431,188; July 15; Serial No. 496,977; published Apr. 1, 1947. Class 35.

Morris Machine Tool Co., The, Cincinnati, Ohio. Radial drills and special production machinery. 431,298; July 15. Class 23.

Multi Mfg. Co.: *See*—
McKee, Joseph B.

Myers, K. E., Exeter, Calif. Fresh deciduous fruits. 431,338; July 15. Class 46.

Nashoba Apple Packing Association Incorporated, Littleton, to Nashoba Apple Packing Association Incorporated, Ayer, Mass. Fresh apples. 224,913; renewed Mar. 8, 1947. O. G. July 15. Class 46.

Nassau, James, Company, Inc., to Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paints, varnishes, paint enamels, etc. 225,894; renewed Mar. 29, 1947. O. G. July 15. Class 16.

National Live Stock Producers Association, Chicago, Ill. Monthly magazine. 225,970; renewed Mar. 29, 1947. O. G. July 15. Class 38.

O'Brien Machinery Co., The, Philadelphia, Pa. Machine shop equipment. 431,303; July 15. Class 23.

Okonite Callender Cable Company, Incorporated, The, Paterson, N. J. Electrically insulated wire and cable. 431,261; July 15; Serial No. 507,998; published Apr. 22, 1947. Class 21.

Okonite Company, The, Passaic, N. J. Aerial cable. 431,214; July 15; Serial No. 502,527; published Apr. 22, 1947. Class 21.

Ollendorff Watch Co. Inc., New York, N. Y. Horological instruments. 431,192–3; July 15; Serial Nos. 497,559–60; published Apr. 8, 1947. Class 27.

Olympia Oyster Company, Inc., Olympia, Wash. Fresh oysters. 431,352; July 15. Class 46.

Omaha Cold Storage Company, Omaha, Nebr. Butter, eggs, and dressed poultry. 223,939; renewed Feb. 15, 1947. O. G. July 15. Class 46.

Oneida Community Limited, Kenwood, to Oneida Ltd., Oneida, N. Y. Canned fruits and vegetables. 58,610; re-renewed Dec. 18, 1946. O. G. July 15. Class 46.

Oneida Ltd.: *See*—
Oneida Community Limited.
Rogers, William A., Ltd.
Rogers, Wm. A. Ltd.

Orber Manufacturing Co., Pawtucket, R. I. Ornamental jewelry. 431,222; July 15; Serial No. 503,741; published Apr. 8, 1947. Class 28.

O'Shaughnessy, William J., doing business as H. O. Drug Company, Brooklyn, N. Y. Active liver pills, tar compound, toothache drops, etc. 225,934; renewed Mar. 29, 1947. O. G. July 15. Class 6.

Page Milk Co., The, Merrill, Wis. Special vitamin A and vitamin D enriched evaporated milk. 431,162; July 15; Serial No. 476,849; published Apr. 15. Class 46.

Papke, Herbert A., doing business as Valley City Novelty Co., Grand Rapids, Mich. Toy kaleidoscopes. 431,314; July 15. Class 22.

Parker, Webb & Co., Detroit, Mich., to Hygrade Food Products Corporation, New York, N. Y. Leaf lard. 62,458; re-renewed May 7, 1947. O. G. July 15. Class 46.

Parmor Products Company, Atlanta, Ga. Lockets, bracelets, finger rings, etc. 431,317; July 15. Class 28.

Patterson Foundry & Machine Co., The, East Liverpool, Ohio. Grinding balls. 431,250; July 15; Serial No. 506,892; published Apr. 15, 1947. Class 23.

Pelzmann, Alfred, doing business as Da-Da Toys Company, Chicago, Ill. Balancing animal toys. 431,186; July 15; Serial No. 496,265; published Apr. 29, 1947. Class 22.

Pendleton Woolen Mills, Portland, Oreg. Woolen blankets. 222,644; renewed Jan. 4, 1947. O. G. July 15. Class 42.

Pendleton Woolen Mills, Portland, Oreg. Clothing. 223,596; renewed Feb. 8, 1947. O. G. July 15. Class 39.

Pendleton Woolen Mills, Portland, Oreg. Bed textile blankets, flannels, suitings in the piece. 223,757; renewed Feb. 8, 1947. O. G. July 15. Class 42.

Peppard, J. L., Kansas City, Mo. Field corn seed and sweet corn seed. 431,228–32; July 15; Serial Nos. 505,124–8; published Apr. 8, 1947. Class 1.

Photoswitch Incorporated, Cambridge, Mass. Electrical signal amplifying and /or relaying apparatus. 431,183; July 15; Serial No. 494,411; published Apr. 22, 1947. Class 21.

Pinnacle Equipment Corporation, Fleetwood, Pa. Refrigerators and refrigerating cases. 431,272; July 15; Serial No. 509,297; published Apr. 22, 1947. Class 31.

Plastic Treasurers, Inc., New York, N. Y. Infant's toy. 431,207; July 15; Serial No. 501,338; published Apr. 22, 1947. Class 22.

Pope Machinery Corporation, Haverhill, Mass. Spindles, vertical high speed Universal milling machines and precision spindle units. 431,356; July 15. Class 23.

Porter, H. K., Inc., Everett, Mass. Hydraulic machine of variable adjustments in the nature of maintenance repair equipment. 431,310; July 15. Class 23.

Postal Publications Inc., New York, N. Y. Magazine or publication. 431,347; July 15. Class 38.

Precision Motor Parts: *See*—
Trowbridge, Kenneth W.

Proctors Products, doing business as Lighters, Ltd., New Haven, Conn. Pyrophoric, catalytic, and mechanical cigar and cigarette lighters. 431,332; July 15. Class 34.

Progressive Musical Instrument Corporation, New York, N. Y. Clarinets, flutes, and piccolos. 219,276; renewed Oct. 12, 1946. O. G. July 15. Class 36.

Pyramid Fisheries Company, Inc.: *See*—
Pyramid Packing Company.

Pyramid Manufacturing Co., Inc., New York, N. Y. Knitted fabrics of rayon, cotton, and/or wool. 431,357; July 15. Class 42.

Pyramid Packing Company, Sitka, Alaska, to Pyramid Fisheries Company, Inc., Seattle, Wash. Canned fish. 225,415; renewed Mar. 15, 1947. O. G. July 15. Class 46.

Radiron Corporation, Miamisburg, Ohio. Electric irons. 431,201; July 15; Serial No. 499,351; published Apr. 22, 1947. Class 21.

Rayflex Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 431,363; July 15. Class 42.

Reciprocal Trade Corporation, The, New York, N. Y. Clocks and watches. 431,177; July 15; Serial No. 487,388; published Jan. 1, 1946. Class 27.

Recordplate Company: *See*—
Smith, O. Morey.

Reed, R. S., Corporation, Three Rivers, Mich. Block or brick making machines. 431,369; July 15. Class 23.

Rex Clay Products Company, The, Detroit, Mich. Fire clay. 226,399; renewed Apr. 5, 1947. O. G. July 15. Class 1.

Rhoads, J. E., & Sons, Philadelphia, Pa. Moccasin laces and shoe strings. 227,420; renewed May 3, 1947. O. G. July 15. Class 40.

Rhoads, J. E., & Sons, Philadelphia, Pa. Flat belt leather and hydraulic leather. 227,552; renewed May 10, 1947. O. G. July 15. Class 1.

Rhoads, J. E., & Sons, Philadelphia, Pa. Lug straps, loom straps, harness straps, etc. 227,553; renewed May 10, 1947. O. G. July 15. Class 23.

Rhoads, J. E., & Sons, Philadelphia, Pa. Whole soles, half soles, and hand leather. 227,554; renewed May 10, 1947. O. G. July 15. Class 39.

Rice-Stix Dry Goods Company, St. Louis, Mo. Knitted, netted, and lace gloves. 62,363; re-renewed Apr. 30, 1947. O. G. July 15. Class 39.

Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. 62,365; re-renewed Apr. 30, 1947. O. G. July 15. Class 42.

Richgrove-Jasmine Citrus Association, Delano, Calif. Fresh citrus fruits. 431,262; July 15; Serial No. 508,066; published Apr. 22, 1947. Class 46.

Rochester Rex Company, Inc., Rochester, N. Y., to Food Machinery Corporation, San Jose, Calif. Spraying machines and dusting machines. 221,373; renewed Nov. 30, 1946. O. G. July 15. Class 23.

Rogers, Wm. A., Ltd., New York, to Oneida Ltd., Oneida, N. Y. Silver-plated ware. 59,396; re-renewed Jan. 8, 1947. O. G. July 15. Class 28.

Rogers, William A., Ltd., Niagara Falls, to Oneida Ltd., Oneida, N. Y. Silverware cabinets. 222,235; renewed Dec. 28, 1946. O. G. July 15. Class 32.

Romeo, F., Co., New York, N. Y.; vested in the Alien Property Custodian, Washington, D. C., and renewed to him. Olive-oil. 29,145; re-renewed Nov. 10, 1946. O. G. July 15. Class 46.

Rosenthal, Erwin, & Co., New York, N. Y. Watches and clocks. 431,253; July 15; Serial No. 507,342; published Apr. 8, 1947. Class 27.

Royal Metal Products Company, New York, N. Y. Tray, bowls, and bon bon dishes, etc. 431,181; July 15; Serial No. 492,584; published Apr. 8, 1947. Class 28.

Safeway Stores, Incorporated, Los Angeles, to Safeway Stores, Incorporated, Oakland, Calif. Grape juice. 224,893; renewed Mar. 8, 1947. O. G. July 15. Class 45.

Safeway Stores, Incorporated, Los Angeles, to Safeway Stores, Incorporated, Oakland, Calif. Canned olives, canned white-meat tunny, jams, etc. 225,594; renewed Mar. 22, 1947. O. G. July 15. Class 46.

Safeway Stores, Incorporated, Los Angeles, to Safeway Stores, Incorporated, Oakland, Calif. Loganberry jam, fig jam, peach jam, etc. 226,854; renewed Apr. 19, 1947. O. G. July 15. Class 46.

Scheibner, Rudolph, doing business as Magic Soap & Chemical Co., Oakland, Calif. Soap product. 431,343; July 15. Class 4.

Scherl & Roth, Inc.: *See*—
Simson & Frey, Inc.

Schlesinger, Albert, doing business as Square Amusement Company, Poughkeepsie, N. Y. Coin-controlled device in the form of a game. 431,350; July 15. Class 22.

Schlesinger, William A., Douglaston, Long Island, N. Y.; vested in the Alien Property Custodian, Washington, D. C., and renewed to him. Soporifics, sedatives, and analgesics. 220,366; renewed Nov. 9, 1926. O. G. July 15. Class 6.

Schreiber Milling & Grain Co., St. Joseph, Mo. Dog food. 431,236; July 15; Serial No. 505,524; published Apr. 29, 1947. Class 46.

Schreiber Products Corporation, Buffalo, to Standard Brands Incorporated, New York, N. Y. Food product. 225,659; renewed Mar. 22, 1947. O. G. July 15. Class 46.

Schreiber Products Corporation, Buffalo, to Standard Brands Incorporated, New York, N. Y. Food product. 226,607; renewed Apr. 12, 1947. O. G. July 15. Class 46.

Schulz, Walter J., St. Louis, Mo. Hammermills. 431,313; July 15. Class 23.

Sentinel Manufacturing Co., The: *See*—
Shuemaker, Ira L.

Sharp & Dohme, Baltimore, Md., Chicago, Ill., New Orleans, La., St. Louis, Mo., Atlanta, Ga., Kansas City, Mo., and Philadelphia, Pa., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonic. 222,336; renewed Dec. 28, 1946. O. G. July 15. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Shuemaker, Ira L., doing business as The Sentinel Manufacturing Co., Cairo, Ill. Milk-cooling cabinets. 431,299; July 15. Class 31.

Shuemaker, Ira L., doing business as The Sentinel Manufacturing Co., Cairo, Ill. Refrigerator-type food display cases. 431,300; July 15. Class 31.

Simson & Frey, Inc., New York, N. Y., to Scherl & Roth, Inc., Cleveland, Ohio. Adjusters or tuners for violins. 227,334; renewed May 3, 1947. O. G. July 15. Class 36.

Smith, M., Company, assignor to M. Smith Co., Inc., Philadelphia, Pa. Ladies' and men's suitcases and bags. 431,219; July 15; Serial No. 502,926; published Apr. 22, 1947. Class 3.

Smith, M., Co., Inc., assignee: *See*—
Smith, M., Company.

Smith, O. Morey, doing business as The Recordplate Company, San Marino, Calif. Decalcomanias, and decalcomania album alphabets. 431,336; July 15. Class 38.

Smith, Stephen D., Brooklyn, N. Y., to International Cigar Machinery Company, Flemington, N. J., and New York, N. Y. Cigars. 224,586; renewed Mar. 1, 1947. O. G. July 15. Class 17.

Sorort Manufacturing Co., Brooklyn, N. Y. Toy banjos, toy violins, and toy xylophones. 431,199; July 15; Serial No. 498,934; published Apr. 29, 1947. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Baseballs. 431,295; July 15; Serial No. 518,787; published Apr. 29, 1947. Class 22.

Spector, A., & Co., New York, N. Y. Dining room suites, book cases, desks, etc. 431,342; July 15. Class 32.

Spee-Dee Manufacturing Co., Chicago, Ill. Greasing adapters, sleeve extractors and inserters, etc. 431,309; July 15. Class 23.

Sport Products, Inc.: *See*—
Draper and Maynard Company, The.

Sprackling, George A., doing business as Sprackling Products Company, Janesville, Wis. Measuring spoon. 431,268; July 15; Serial No. 508,754; published Apr. 22, 1947. Class 26.

Sprackling Products Company: *See*—
Sprackling, George A.

Springs Cotton Mills, The: *See*—
Fort Mill Manufacturing Co.

Spurgeon, N. B., Co., Chicago, Ill. Lifting jacks. 431,308; July 15. Class 23.

Square Amusement Company: *See*—
Schlesinger, Albert.

Standard Brands Incorporated: *See*—
Schreiber Products Corporation.

Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Varnishes, paints, lacquers, etc. 59,363; re-renewed Jan. 8, 1947. O. G. July 15. Class 16.

Stanley, John T., Co. Inc., New York, N. Y. Antifreezing radiator glycerin and a kerosene compound. 222,353; renewed Dec. 28, 1946. O. G. July 15. Class 6.

Stolz Frères, S. A., Fabrique d'Horlogerie Angelus, Le Locle, Switzerland. Boudoir, desk, and mantel clocks, watches and parts thereof. 431,244; July 15; Serial No. 506,354; published Apr. 8, 1947. Class 27.

Stubler, Joseph, doing business as Wallner & Janda, Chicago, Ill. Engraved greeting cards. 431,337; July 15. Class 38.

Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 431,304; July 15. Class 38.

Swift & Company, Chicago, Ill. Food for carnivorous animals. 431,251; July 15; Serial No. 507,085; published Apr. 15, 1947. Class 46.

Teleregister Corporation, The, New York, N. Y. Telegraphic typing apparatus. 431,257; July 15; Serial No. 507,758; published Apr. 22, 1947. Class 21.

Theil-Schoen Co., New York, N. Y. Non-precious and semi-precious brooch pins, lapel pins, earrings, etc. 431,258; July 15; Serial No. 507,761; published Apr. 8, 1947. Class 28.

Transportation Supply Publishing Corporation, Chicago, Ill. Publication issued periodically. 431,348; July 15. Class 38.

Trojan Products & Mfg. Co., assignor to The Diversey Corporation, Chicago, Ill. Hand soap in powder form. 431,306; July 15. Class 4.

Trowbridge, Kenneth W., doing business as Precision Motor Parts, San Francisco, Calif. New and reconstructed automotive parts. 431,302; July 15. Class 23.

Trumpler, William, Media, Pa. Toy construction sets. 431,239; July 15; Serial No. 505,781; published Apr. 22, 1947. Class 22.

Tubbs Cordage Company, San Francisco, Calif. Manila rope. 431,282; July 15; Serial No. 512,465; published Apr. 22, 1947. Class 7.

Turner & Vandam, Inc., to D. B. Fuller & Co., Inc., New York, N. Y. Cotton, silk, and artificial silk fabrics. 221,066; renewed Nov. 23, 1946. O. G. July 15. Class 42.

Twinzy Toy Company, Battle Creek, Mich. Dolls and animal toys. 431,184; July 15; Serial No. 494,717; published Apr. 29, 1947. Class 22.
Ullmann, Bernhard, Co., Inc., New York, N. Y. Hand crochet cotton yarn. 431,283; July 15; Serial No. 512,731; published Apr. 22, 1947. Class 43.
Unicorn Products Co., New York, N. Y. Costume jewelry. 431,176; July 15; Serial No. 485,897; published Apr. 8, 1947. Class 28.
U. S. Industrial Alcohol Co., to U. S. Industrial Chemicals, Inc., New York, N. Y. Denatured alcohol. 61,270; re-renewed Mar. 12, 1947. O. G. July 15. Class 6.
U. S. Industrial Chemicals, Inc.: *See*—
U. S. Industrial Alcohol Co.
United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 431,330–1; July 15. Class 38.
United States News Publishing Corporation, doing business as The Bureau of National Affairs, Washington, D. C., assignor to The Bureau of National Affairs, Inc. Periodical publications. 431,335; July 15. Class 38.
United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 431,339–40; July 15. Class 38.
United States Rubber Company, New York, N. Y. Pneumatic tires and inner tubes. 431,259; July 15; Serial No. 507,948; published Apr. 29, 1947. Class 35.
Urruela, Ralph J., New Orleans, La. Monthly Magazines. 431,297; July 15. Class 38.
Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Varnish for the finishing of exterior surfaces. 62,492; re-renewed May 7, 1947. O. G. July 15. Class 16.
Valentine & Company, Inc.: *See*—
Valentine & Company.
Valley City Novelty Co.: *See*—
Papke, Herbert A.
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating-oils. 60,669; re-renewed Feb. 19, 1947. O. G. July 15. Class 15.
Van Daalen, Henry A. S., assignor to Dutch Admiral Equipment Corporation, New York, N. Y. Life saving equipment. 431,296; July 15. Class 21.
Vaughan Motor Company, Portland, Oreg. Electrical apparatus and switch employed in combination with an electric motor. 431,178; July 15; Serial No. 489,093; published Apr. 22, 1947. Class 21.
Veribrite Factory: *See*—
Clinton Industries, Inc.
Waldorf, Earl M., doing business as Minnesota Mill Works, St. Paul, Minn. Wood filler. 431,164; July 15; Serial No. 479,317; published May 14, 1946. Class 16.
Wallich, Fred R., doing business as Wallich Laboratories, Los Angeles, Calif. Condensate product for skin cleaning, etc. 431,328; July 15. Class 4.
Wallich Laboratories: *See*—
Wallich, Fred R.
Wallner & Janda: *See*—
Stubler, Joseph F.
Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation used as a laxative. 225,228; renewed Mar. 15, 1947. O. G. July 15. Class 6.
Weston Paper & Manufacturing Company, The, Dayton, Ohio. Heavy straw paper. 227,593; renewed May 10, 1947. O. G. July 15. Class 37.
Weston Paper & Manufacturing Company, The, Dayton, Ohio. Heavy straw paper. 227,604; renewed May 10, 1947. O. G. July 15. Class 37.
Wheeler, Reynolds & Stauffer, San Francisco, Calif. Machines for withdrawing from a supply of noxious liquid material as carbon bisulphide. 431,159; July 15; Serial No. 457,867; published June 15, 1943. Class 23.
White, John L., doing business as K-Jax, Dallas, Tex. Metal shearing tools. 431,362; July 15. Class 23.
Whitehall Pharmacal Company: *See*—
Dodge, Walter L.
Williams, Albert C., doing business as Albert C. Williams Company, New York, N. Y. Pocketbooks, handbags, and purses. 431,322; July 15. Class 3.
Williams, Albert C., Company: *See*—
Williams, Albert C.
Williams, R. C., & Company, Inc., New York, N. Y. Canned vegetables. 227,544; renewed May 10, 1947. O. G. July 15. Class 46.
Winsted Edge Tool Works, The, Winsted, Conn. Hand tools and mechanics' tools. 227,246; renewed May 3, 1947. O. G. July 15. Class 23.
Winter Brothers Company, Wrentham, Mass. Taps and dies. 431,234; July 15; Serial No. 505,465; published Apr. 15, 1947. Class 23.
Wolf & Klar Wholesale Supply Co., Fort Worth, Tex. Jewelry for personal wear (not including watchs), and sterling silver and silver plated hollow ware and flatware. 431,316; July 15. Class 28.
Wyandotte Chemicals Corporation: *See*—
Ford, J. B., Company, The.
Wyeth Incorporated: *See*—
Deshell Laboratories, Inc.
Wyeth, John, and Brother, Incorporated.
Wyeth, John, and Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Organic salts of silver. 59,750; re-renewed Jan. 15, 1947. O. G. July 15. Class 6.
Wyeth, John, and Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Antiseptic liquor or solution of eucalyptus. 60,028; re-renewed Jan. 22, 1947. O. G. July 15. Class 6.
Wyeth, John, and Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Emulsion of mixed fats. 60,629; re-renewed Feb. 12, 1947. O. G. July 15. Class 6.
Wyeth, John, and Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Elixir of the digestive ferments. 60,630; re-renewed Feb. 12, 1947. O. G. July 15. Class 6.
Yosemite Growers Cooperative Association, assignor to L. C. Beckwith, Merced, Calif. Frozen citrus and deciduous fruits. 431,318; July 15. Class 46.
Youngs Rubber Corporation, New York, N. Y. Prophylactic membranous articles. 431,288; July 15; Serial No. 513,708; published Apr. 22, 1947. Class 44.
Zamax Manufacturing Co., Inc., Haverstraw, N. Y. Hydraulic vehicle jack. 431,224; July 15; Serial No. 504,415; published Apr. 15, 1947. Class 23.
Zinsco Electrical Products, Los Angeles, Calif. Electrical switchboards, panelboards, switchboxes, etc. 431,274; July 15; Serial No. 509,551; published Apr. 15, 1947. Class 21.
Zion National Kosher Sausage Factory Inc., New York, N. Y. Salami. 227,359; renewed May 3, 1947. O. G. July 15. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Fire. Rex Clay Products Company. 226,399; renewed Apr. 5, 1947. O. G. July 15.
Leather and harness leather, Sole. Haffner Brothers Company. 226,278; renewed Apr. 5, 1947. O. G. July 15.
Leather and hydraulic leather, Flat belt. J. E. Rhoads & Sons. 227,552; renewed May 10, 1947. O. G. July 15.
Resins, Liquid. Furane Plastics and Chemicals Company. 431,185; July 15; Serial No. 495,542; published Apr. 8, 1947.
Seed and sweet corn seed, Field corn. J. L. Peppard. 431,228–32; July 15; Serial Nos. 505,124–8; published Apr. 8, 1947.
Seed, Hybrid corn. M. McMullin. 431,315; July 15.

CLASS 2

Cases and boxes for dispensing cups, Metal. Individual Drinking Cup Co., Inc. 226,507; renewed Apr. 12, 1947. O. G. July 15.

CLASS 3

Bags, suitcases, brief cases, and trunks, Traveling. R. A. Brinkhaus. 431,284; July 15; Serial No. 513,023; published Apr. 29, 1947.
Harness, safety straps for children. A. Hechter. 431,333; July 15.
Pocketbooks, handbags, and purses. A. C. Williams. 431,322; July 15.
Suitcases. L. H. Clark. 431,287; July 15; Serial No. 513,499; published Apr. 29, 1947.
Suitcases and bags, Ladies' and men's. M. Smith Company. 431,219; July 15; Serial No. 502,926; published Apr. 22, 1947.
Suitcases, trunks, travelling bags, and handbags. Wm. Filene's Sons Company. 431,285; July 15; Serial No. 513,087; published Apr. 29, 1947.

CLASS 4

Cleaner and polish, Metal. S. A. Jackson. 431,349; July 15.
Cleaner, Window and glass. R. F. Cruikshank. 431,354; July 15.
Cleaning and cleansing materials. J. B. Ford Company. 235,073; renewed Nov. 8, 1947. O. G. July 15.
Cleaning preparation, not a soap. Keystone Varnish Company. 222,664; renewed Jan. 4, 1947. O. G. July 15.
Condensate product for skin cleaning, etc. F. R. Wallich. 431,328; July 15.
Material for cleaning and polishing metal, glass, and marble. Matchless Metal Polish Co. 57,565; re-renewed Nov. 13, 1946. O. G. July 15.

Material for cleaning and polishing metal, glass, and marble. Matchless Metal Polish Co. 57,736; re-renewed Nov. 27, 1946. O. G. July 15.
Soap in powdered form, Hand. Trojan Products & Mfg. Co. 431,306; July 15.
Soap product. R. Scheibner. 431,343; July 15.

CLASS 6

Acetamide, acetanilide, acetic anhydride, etc. Central Scientific Company. 226,615; renewed Apr. 12, 1947. O. G. July 15.
Alcohol, Denatured. U. S. Industrial Alcohol Co. 61,270; re-renewed Mar. 12, 1947. O. G. July 15.
Antiseptic liquor or solution of eucalyptus. John Wyeth and Brother, Incorporated. 60,028; re-renewed Jan. 22, 1947. O. G. July 15.
Dyes and dyestuffs. General Dyestuff Corporation. 226,492; renewed Apr. 12, 1947. O. G. July 15.
Elixir of the digestive ferments. John Wyeth and Brother, Incorporated. 60,630; re-renewed Feb. 12, 1947. O. G. July 15.
Emulsion of mixed fats. John Wyeth and Brother, Incorporated. 60,629; re-renewed Feb. 12, 1947. O. G. July 15.
Face creams, face and skin lotions, hair tonics, etc. Cavellero Preparations Inc. 220,579; renewed Nov. 9, 1946. O. G. July 15.
Glycerin and a kerosene compound, Anti-freezing radiator. John T. Stanley Co. Inc. 222,353; renewed Dec. 28, 1946. O. G. July 15.
Hair-tonics and dandruff cures. C. Hughel. 61,775; re-renewed Apr. 2, 1947. O. G. July 15.
Insecticides, Liquid. Lanair Chemical Corporation. 226,628; renewed Apr. 12, 1947. O. G. July 15.
Liniment. Minard's Liniment Manufacturing Company. 58,802; re-renewed Dec. 25, 1946. O. G. July 15.
Medicinal preparation used as a laxative. William R. Warner & Co., Inc. 225,228; renewed Mar. 15, 1947. O. G. July 15.
Perfumes, toilet water, talc powder, etc., Liquid and powder. Colgate & Company. 227,647; renewed May 10, 1947. O. G. July 15.
Pills, tar compound, toothache drops, etc., Active liver. W. J. O'Shaughnessy. 225,934; renewed Mar. 29, 1947. O. G. July 15.
Preparation for the feet. W. L. Dodge. 60,161; re-renewed Jan. 29, 1947. O. G. July 15.
Remedy for constipation. Deshell Laboratories, Inc. 222,928; renewed Jan. 11, 1947. O. G. July 15.
Remedy for warts. Corn Fix Co., Inc. 227,603; renewed May 10, 1947. O. G. July 15.
Salts of silver, Organic. John Wyeth and Brother, Incorporated. 59,750; re-renewed Jan. 15, 1947. O. G. July 15.
Soporifics, sedatives, and analgesics. W. A. Schlesinger. 220,366; renewed Nov. 9, 1946. O. G. July 15.
Tonic. Sharp & Dohme. 222,336; renewed Dec. 28, 1946. O. G. July 15.
Tonic and remedy, Liver and kidney. E. S. Burgess. 220,494; renewed Nov. 9, 1946. O. G. July 15.
Washing soda. Buckeye Soda Company. 225,954; renewed Mar. 29, 1947. O. G. July 15.

CLASS 7

Rope. Compania de Jarcia de Matanzas, S. A. 431,281; July 15; Serial No. 512,323; published Apr. 22, 1947.
Rope, Manila. Tubbs Cordage Company. 431,282; July 15; Serial No. 512,465; published Apr. 22, 1947.

CLASS 11

Carbon-paper and type-writer ribbons. Corona Supply Co. 61,727; re-renewed Apr. 2, 1947. O. G. July 15.

CLASS 15

Lubricating-oils. Valvoline Oil Company. 60,669; re-renewed Feb. 19, 1947. O. G. July 15.

CLASS 16

Filler, Wood. E. M. Waldorf. 431,164; July 15; Serial No. 479,317; published May 14, 1946.
Paints, varnishes, paint enamels, etc., Ready-mixed. James Nassau Company, Inc. 225,894; renewed Mar. 29, 1947. O. G. July 15.
Powder to be used as a paint when mixed with water, Dry. Binney & Smith Company. 431,215; July 15; Serial No. 502,555; published Mar. 11, 1947.
Varnish for the finishing of exterior surfaces. Valentine & Company. 62,492; re-renewed May 7, 1947. O. G. July 15.
Varnishes, paints, lacquers, etc. Standard Varnish Works. 59,363; re-renewed Jan. 8, 1947. O. G. July 15.
Wax and furniture polish, Floor. Keystone Varnish Company. 222,531; renewed Jan. 4, 1947. O. G. July 15.

CLASS 17

Cigarettes. Larus & Brother Company, Inc. 431,204–5; July 15; Serial Nos. 500,090–1; published Apr. 8, 1947.
Cigars. S. D. Smith. 224,586; renewed Mar. 1, 1947. O. G. July 15.

CLASS 21

Burglar alarms, etc., Electric. A. W. Fruh. 431,160; July 15; Serial No. 459,905; published Feb. 15, 1944.
Cable, Aerial. Okonite Company. 431,214; July 15; Serial No. 502,527; published Apr. 22, 1947.
Chargers for charging storage batteries, Trickle. Atlas Supply Company. 431,245; July 15; Serial No. 506,415; published Apr. 15, 1947.
Dry cells and dry batteries. Admiral Corporation. 431,187; July 15; Serial No. 496,940; published Apr. 15, 1947.
Electrical apparatus and switch employed in combination with an electric motor. Vaughan Motor Company. 431,178; July 15; Serial No. 489,093; published Apr. 29, 1947.
Electrical grounding assemblies. Mastergrip Utilities Supply Corporation. 431,280; July 15; Serial No. 510,853; published Apr. 22, 1947.
Electrical signal amplifying and/or relaying apparatus. Photoswitch Incorporated. 431,183; July 15; Serial No. 494,411; published Apr. 22, 1947.
Electrical switchboards, panelboards, switchboxes, etc. Zinsco Electrical Products. 431,274; July 15; Serial No. 509,551; published Apr. 15, 1947.
Electrically heated food warmers and cookers; electrically heated bottle warmers, etc. Electrical Industries, Inc. 431,209; July 15; Serial No. 501,654; published Apr. 29, 1947.
Electrode holders and parts thereof, Welding. Churchward Engineering Co. 431,275; July 15; Serial No. 509,562; published Apr. 15, 1947.
Flat irons, Electric. Commander Products. 431,279; July 15; Serial No. 510,483; published Apr. 22, 1947.
Floor-polishing machines, Electric. S. C. Johnson & Son. 227,213; renewed May 3, 1947. O. G. July 15.
Insulating tape. B. F. Goodrich Company. 431,273; July 15; Serial No. 509,416; published Apr. 15, 1947.
Irons, Electric. Radiron Corporation. 431,201; July 15; Serial No. 499,351; published Apr. 22, 1947.
Lamp lighting fixtures, Electric fluorescent. Moe-Bridges Corporation. 431,323; July 15.
Life saving equipment. H. A. S. Van Daalen. 431,296; July 15.
Loud speakers. Crawford's, Inc. 431,278; July 15; Serial No. 510,381; published Apr. 22, 1947.
Oleous insulation in liquid form. Bal-Dart Incorporated. 431,271; July 15; Serial No. 508,832; published Apr. 29, 1947.
Ranges, Portable electric table. Camco Products Inc. 431,235; July 15; Serial No. 505,484; published Apr. 29, 1947.
Spotlights and boomlights, and parts thereof, Electric. Display Lighting, Incorporated. 431,277; July 15; Serial No. 510,016; published Apr. 15, 1947.
Telegraphic typing apparatus. Teleregister Corporation. 431,257; July 15; Serial No. 507,758; published Apr. 22, 1947.
Wire and cable, Electrically insulated. Okonite Callender Cable Company, Incorporated. 431,261; July 15; Serial No. 507,998; published Apr. 22, 1947.
Wire, Insulated copper. Belden Manufacturing Company. 431,217; July 15; Serial No. 502,793; published Apr. 22, 1947.
Wires and cables, Bare and insulated electric. General Cable Corporation. 431,276; July 15; Serial No. 509,767; published Apr. 15, 1947.

CLASS 22

Baseballs. A. G. Spalding & Bros. Inc. 431,295; July 15; Serial No. 518,787; published Apr. 29, 1947.
Coin-controlled device in the form of a game. A. Schlesinger. 431,350; July 15.
Devices for attachment to the feet for use as aids in swimming. Hal Messinger Associates, Inc. 431,294; July 15; Serial No. 518,470; published Apr. 22, 1947.
Dolls and animal toys. Twinzy Toy Company. 431,184; July 15; Serial No. 494,717; published Apr. 29, 1947.
Fish lures. Lazy Ike Bait Co. 431,240; July 15; Serial No. 505,965; published Apr. 29, 1947.
Fishing reels. Langley Corporation. 431,290; July 15; Serial No. 514,048; published Apr. 29, 1947.
Game, Question and answer. K. & K. Electric Toy Co. 431,324; July 15.
Striking-bags and appliances, Indian clubs, etc. Draper and Maynard Company. 60,676; re-renewed Feb. 19, 1947. O. G. July 15.
Toy banjos, toy violins and toy xylophones. Sorort Manufacturing Co. 431,199; July 15; Serial No. 498,934; published Apr. 29, 1947.
Toy construction sets. W. Trumpler. 431,239; July 15; Serial No. 505,781; published Apr. 22, 1947.
Toy, Infant's. Plastic Treasures, Inc. 431,207; July 15; Serial No. 501,338; published Apr. 22, 1947.
Toy kaleidoscopes. H. A. Papke. 431,314; July 15.
Toy kites. M. B. Litberg. 431,210; July 15; Serial No. 501,671; published Apr. 29, 1947.
Toy rattles, Babies. J. B. McKee. 431,292; July 15; Serial No. 514,614; published Apr. 29, 1947.
Toy, whirling. A. E. Manofsky. 431,198; July 15; Serial No. 498,788; published Apr. 29, 1947.

Toy xylophones. Duraltone Toy Company, Inc. 431,196; July 15; Serial No. 498,609; published Apr. 22, 1947.
Toys. Metro Toy Company. 431,197; July 15; Serial No. 498,708; published Apr. 29, 1947.
Toys, Balancing animal. A. Pelzmann. 431,186; July 15; Serial No. 496,265; published Apr. 29, 1947.

CLASS 23

Automotive parts, New and reconstructive. K. W. Trowbridge. 431,302; July 15.
Block or brick making machines. R. S. Reed Corporation. 431,369; July 15.
Carburetors. R. F. Bracke & Company. 431,252; July 15; Serial No. 507,102; published Apr. 15, 1947.
Conveyors. Alvey Conveyor Manufacturing Co. 431,226; July 15; Serial No. 505,030; published Apr. 15, 1947.
Drills and special production machinery, Radial. Morris Machine Tool Co. 431,298; July 15.
Engine parts and tools, Automotive and aircraft. McQuay-Norris Manufacturing Co. 431,368; July 15.
Files and burs, Rotary. Graham Rotary File & Tool Corp. 431,326; July 15.
Fog generating machine. Besler Corporation. 431,203; July 15; Serial No. 499,607; published Apr. 22, 1947.
Gears for power transmissions for motor vehicles and aircraft, and parts thereof. Borg-Warner Corporation. 431,305; July 15.
Greasing adapters, sleeve extractors and inserters, etc. Spee-Dee Manufacturing Co. 431,309; July 15.
Grinders, sickle grinders, and portable vises, Portable tool bench. Luther Grinder & Tool Co. 431,312; July 15.
Grinding balls. Patterson Foundry & Machine Co. 431,250; July 15; Serial No. 506,892; published Apr. 15, 1947.
Hammermills. W. J. Schulz. 431,313; July 15.
Hammers. Gibson Good Tools, Inc. 431,220; July 15; Serial No. 503,565; published Apr. 15, 1947.
Hoists, Gantry. La Ray Engineering & Equipment Co. 431,175; July 15; Serial No. 485,873; published Apr. 8, 1947.
Hydraulic machine of variable adjustments in the nature of maintenance repair equipment. H. K. Porter, Inc. 431,310; July 15.
Jack, Hydraulic vehicle. Zamax Manufacturing Co., Inc. 431,224; July 15; Serial No. 504,415; published Apr. 15, 1947.
Jacks, Automotive. American Hydraulics, Inc. 431,311; July 15.
Jacks, Lifting. N. B. Spurgeon Co. 431,308; July 15.
Jet and turbine engines and parts thereof; Diesel blowers, etc., Reciprocating. General Motors Corporation. 431,243; July 15; Serial No. 506,303; published Apr. 8, 1947.
Lawn mowers. Associated Merchandising Corporation. 431,223; July 15; Serial No. 503,858; published Apr. 15, 1947.
Lawn mowers. Eclipse Lawn Mower Co. 227,104; renewed Apr. 26, 1947. O. G. July 15.
Lift trucks. Hyster Company. 431,365; July 15.
Loader attachment, Tractor mounted. Hoen Manufacturing Company. 431,351; July 15.
Machine belts, machine drums, sieves, etc. Follsain Metals Ltd. 431,163; July 15; Serial No. 477,605; published Apr. 8, 1947.
Machine shop equipment. O'Brien Machinery Co. 431,303; July 15.
Machines for making and machines for trimming all classes of household, personal and industrial brushes. Carlson Tool and Machine Company. 431,364; July 15.
Machines for withdrawing from a supply of a noxious liquid material as carbon bisulphide. Wheeler, Reynolds & Stauffer. 431,159; July 15; Serial No. 457,867; published June 15, 1943.
Openers, Novelty key bottle. Castle Key Corp. 431,242; July 15; Serial No. 506,092; published Apr. 22, 1947.
Presses. Hydraulic. Denison Engineering Company. 431,301; July 15.
Pump plungers, Oil well. Gustin-Bacon Manufacturing Company. 431,227; July 15; Serial No. 505,103; published Apr. 22, 1947.
Shovels, back hoes, bull dozers, etc., Power. Maine Steel Inc. 431,344; July 15.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 225,905; renewed Mar. 29, 1947. O. G. July 15.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 226,596; renewed Apr. 12, 1947. O. G. July 15.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 226,600; renewed Apr. 12, 1947. O. G. July 15.
Spindles, vertical high speed universal milling machines and precision spindle units. Pope Machinery Corporation. 431,356; July 15.
Spraying machines and dusting machines. Rochester Rex Company, Inc. 221,373; renewed Nov. 30, 1946. O. G. July 15.
Straps, loom straps, harness straps, etc., Lug. J. E. Rhoads & Sons. 227,553; renewed May 10, 1947. O. G. July 15.
Taps and dies. Winter Brothers Company. 431,234; July 15; Serial No. 505,465; published Apr. 15, 1947.
Tools and mechanics' tools, Hand. Winsted Edge Tool Works. 227,246; renewed May 3, 1947. O. G. July 15.
Tools, Hand. Great Neck Saw Manufacturers, Inc. 431,345; July 15.
Tools, Metal shearing. J. L. White. 431,362; July 15.
Tractor cover. Bearing Distributors Company. 431,358; July 15.
Transplanters, Hand. Lynchburg Planter Manufacturing Co. 431,355; July 15.

CLASS 24

Clothes pins. Heldeman Brothers. 431,327; July 15.
Clothes washing machines, Household type electric. Farmco, Inc. 431,216; July 15; Serial No. 502,631; published Apr. 8, 1947.

CLASS 26

Airplane models and parts therefor. A. C. Coccaro. 431,291; July 15; Serial No. 514,589; published Apr. 22, 1947.
Camera cases. Louis Lefkowitz & Bro., Inc. 431,202; July 15; Serial No. 499,500; published Apr. 29, 1947.
Dynamometers. Clayborne Manufacturing Company. 431,263; July 15; Serial No. 508,141; published Apr. 29, 1947.
Film, Photographic. Eastman Kodak Company. 222,144; renewed Dec. 21, 1946. O. G. July 15.
Instrument for measuring the size and indicating the weight of fish. Langley Corporation. 431,255; July 15; Serial No. 507,643; published Apr. 29, 1947.
Lenses, cameras, photographic enlargers, etc., Camera. Burke & James, Inc. 431,254; July 15; Serial No. 507,511; published Apr. 22, 1947.
Lenses, Photographic. Federal Manufacturing & Engineering Corp. 431,267; July 15; Serial No. 508,590; published Apr. 22, 1947.
Measuring spoon. G. A. Sprackling. 431,268; July 15; Serial No. 508,754; published Apr. 22, 1947.
Sensitized papers, Ammonia-developing. Charles Bruning Company, Inc. 431,206; July 15; Serial No. 500,276; published Apr. 22, 1947.
Viscosimeter; falling drop apparatus for measuring density of body fluids; sub-sieve sizer for measuring particle size, etc. Elmer and Amend. 431,182; July 15; Serial No. 494,045; published Apr. 22, 1947.

CLASS 27

Clocks. N. S. Dennis. 431,237; July 15; Serial No. 505,561; published Apr. 8, 1947.
Clocks and watches. Reciprocal Trade Corporation. 431,177; July 15; Serial No. 487,388; published Jan. 1, 1946.
Clocks, watches and parts thereof, Boudoir, desk and mantel. Stolz Freres, S. A., Fabrique d'Horlogerie Angelus. 431,244; July 15; Serial No. 506,354; published Apr. 8, 1947.
Horological instruments. Ollendorff Watch Co. Inc. 431,192–3; July 15; Serial Nos. 497,559–60; published Apr. 8, 1947.
Watches and clocks. L. & C. Mayers Co. Inc. 431,334; July 15.
Watches and clocks. Erwin Rosenthal & Co. 431,253; July 15; Serial No. 507,342; published Apr. 8, 1947.
Watches and watch parts. Ed. Kummer S. A. (Ariston Inventic) Manufacture d'Horlogerie de Bettlach. 431,325; July 15.
Watches, stop watches, alarm clocks, etc. Manufacture des Montres Universal Perret et Berthoud S. A. (Universal Watch Factory, Perret & Berthoud Ltd.). 431,165; July 15; Serial No. 479,585; published Apr. 8, 1947.
Watches, stop watches, alarm clocks, etc. Manufacture des Montres Universal, Perret et Berthoud S. A. (Universal Watch Factory, Perret & Berthoud Ltd.). 431,166–7; July 15; Serial Nos. 479,587–8; published Apr. 8, 1947.
Watches, watch cases, and watch movements. Gruen Watch Company. 431,219; July 15.

CLASS 28

Bracelets, Watch. Marvel Jewelry Manufacturing Co. 431,218; July 15; Serial No. 502,908; published Apr. 8, 1947.
Flatware and holloware, Silver. I. Freeman & Son, Inc. 431,260; July 15; Serial No. 507,978; published Apr. 8, 1947.
Jewelry. Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated. 431,241; July 15; Serial No. 506,025; published Apr. 8, 1947.
Jewelry. Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated. 431,246–7; July 15; Serial Nos. 506,437–8; published Apr. 8, 1947.
Jewelry, Costume. Graben & Bauer. 431,266; July 15; Serial No. 508,219; published Apr. 8, 1947.
Jewelry, Costume. Unicorn Products Co. 431,176; July 15; Serial No. 485,897; published Apr. 8, 1947.
Jewelry for personal wear (not including watches), and sterling silver and silver plated hollow ware and flatware. Wolf & Klar Wholesale Supply Co. 431,316; July 15.

Jewelry, Ornamental. Orber Manufacturing Co. 431,222; July 15; Serial No. 503,741; published Apr. 8, 1947.
Lockets, bracelets, finger rings, etc. Parmor Products Company. 431,317; July 15.
Necklaces, bracelets, finger rings, etc. Joseph H. Meyer Bros. 431,265; July 15; Serial No. 508,177; published Apr. 8, 1947.
Pins, lapel pins, earrings, etc., Non-precious and semi-precious brooch. Theil-Schoen Co. 431,258; July 15; Serial No. 507,761; published Apr. 8, 1947.
Rings, Finger. Blits Manufacturing Company, Inc. 431,238; July 15; Serial No. 505,729; published Apr. 8, 1947.
Rings, Wedding. Alfred Humbert & Son. 227,181; renewed May 3, 1947. O. G. July 15.
Silver-plated ware. Wm. A. Rogers Ltd. 59,396; re-renewed Jan. 8, 1947. O. G. July 15.
Tray, bowls, and bon bon dishes, etc. Royal Metal Products Company. 431,181; July 15; Serial No. 492,584; published Apr. 8, 1947.

CLASS 29

Mops. Capitol Products Company. 431,212; July 15; Serial No. 501,955; published Mar. 4, 1947.
Powder mitts and puffs. Merita, Inc. 431,366; July 15.

CLASS 31

Coolers, storage coolers, reach-in refrigerators, etc., Walk-in. Ed Friedrich, Incorporated. 431,194; July 15; Serial No. 498,001; published Apr. 22, 1947.
Food display cases, Refrigerator-type. I. L. Shuemaker. 431,300; July 15.
Ice cubes, Imitation plastic. M. Greene. 431,256; July 15; Serial No. 507,678; published Apr. 29, 1947.
Milk-cooling cabinets. I. L. Shuemaker. 431,299; July 15.
Refrigerators and refrigerating cases. Pinnacle Equipment Corporation. 431,272; July 15; Serial No. 509,297; published Apr. 22, 1947.

CLASS 32

Cabinets, Filing. Columbia Steel Equipment Company. 226,636; renewed Apr. 12, 1947. O. G. July 15.
Cabinets, Silverware. William A. Rogers, Ltd. 222,235; renewed Dec. 28, 1946. O. G. July 15.
Dining room suites, book cases, desks, etc. A. Spector & Co., Inc. 431,342; July 15.
Tables and chairs, davenports, etc., Living room, dining room, kitchen, and bridge. Hampton Modern, Inc. 431,320; July 15.

CLASS 34

Burners and stokers, Automatic domestic coal. General Machine Company, Inc. 431,289; July 15; Serial No. 513,932; published Mar. 25, 1947.
Lighters, Pyrophoric, catalytic, and mechanical cigar and cigarette. Proctors Products. 431,332; July 15.

CLASS 35

Packing; rubber sheet packing; metallic packing, Asbestos sheet. F. Groves. 431,172–3; July 15; Serial Nos. 485,409–10; published Apr. 1, 1947.
Packing, rubber sheet packing, metallic packing, etc., Asbestos sheet. F. Groves. 431,174; July 15; Serial No. 485,411; published Apr. 29, 1947.
Repair units, Tire. Morgan Tire Company. 431,188; July 15; Serial No. 496,977; published Apr. 1, 1947.
Tire patch. Locktite Patch Company. 221,535; renewed Dec. 7, 1946. O. G. July 15.
Tires and inner tubes, Pneumatic. United States Rubber Company. 431,259; July 15; Serial No. 507,948; published Apr. 29, 1947.

CLASS 36

Adjusters or tuners for violins. Simson & Frey, Inc. 227,334; renewed May 3, 1947. O. G. July 15.
Clarinets, flutes, and piccolos. Progressive Musical Instrument Corporation. 219,276; renewed Oct. 12, 1946. O. G. July 15.

CLASS 37

Paper and envelopes, Writing. Crazy Water Company. 431,161; July 15; Serial No. 464,777; published May 14, 1946.
Paper, Heavy straw. Weston Paper & Manufacturing Company. 227,593; renewed May 10, 1947. O. G. July 15.
Paper, Heavy straw. Weston Paper & Manufacturing Company. 227,604; renewed May 10, 1947. O. G. July 15.
Pencil-erasers, India-rubber. L. & C. Hardtmuth. 61,599; renewed Mar. 26, 1947. O. G. July 15.
Pencils. Aktieselskabet H. E. Gosch & Co.'s Taendstikfabriker og Aktietaendstik-Fabriken Godthaab. 221,337; renewed Nov. 30, 1946. O. G. July 15.
Pens; fountain pens, feeds, etc., Writing, drawing, and lettering. Esterbrook Pen Company. 431,200; July 15; Serial No. 499,219; published Apr. 8, 1947.
Stationery. Grinnell Lithographic Co., Inc. 431,225; July 15; Serial No. 504,897; published Apr. 8, 1947.
Tape, Gummed. Gummed Products Company. 227,105; renewed Apr. 26, 1947. O. G. July 15.
Writing paper and correspondence envelopes. Hills, McLean & Haskins, Incorporated. 223,336; renewed Feb. 1, 1947. O. G. July 15.

CLASS 38

Cards, Engraved greeting. J. F. Stubler. 431,337; July 15.
Decalcomanias, and decalcomania album alphabets. O. M. Smith. 431,336; July 15.
Magazine, Monthly. Conde Nast Publications, Inc. 223,208; renewed Jan. 18, 1947. O. G. July 15.
Magazine, Monthly. National Live Stock Producers Association. 225,970; renewed Mar. 29, 1947. O. G. July 15.
Magazine, Monthly. R. J. Urruela. 431,297; July 15.
Magazine or publication. Postal Publications Inc. 431,347; July 15.
Newspaper. W. R. Hearst. 57,354; re-renewed Nov. 13, 1946. O. G. July 15.
Newspaper feature. M. K. Burrous. 431,321; July 15.
Periodicals. Sutton Publishing Company, Inc. 431,304; July 15.
Publication issued periodically. Transportation Supply Publishing Corporation. 431,348; July 15.
Publication issued regularly. A. C. Croft. 431,360; July 15.
Publication, Printed. Gates Rubber Company. 431,361; July 15.
Publications issued periodically, Trade. H. H. Beutler. 431,341; July 15.
Publications, Periodical. United States News Publishing Corporation. 431,335; July 15.
Publications, Section of periodical. United States News Publishing Corporation. 431,339–40; July 15.
Section of periodical publications. United States News Publishing Corporation. 431,330–1; July 15.

CLASS 39

Apparel, Women's. Madelon Modes, Inc. 227,678; renewed May 10, 1947. O. G. July 15.
Clothing. Pendleton Woolen Mills. 223,596; renewed Feb. 8, 1947. O. G. July 15.
Clothing, Men's, boys', and youths'. Chas. Douglis Mack Co. Inc. 223,631; renewed Feb. 8, 1947. O. G. July 15.
Coats, rain capes, beach coats, etc., Rain. Atlantic Plastikwear Fashions, Inc. 431,353; July 15.
Gloves, Knitted, netted, and lace. Rice-Stix Dry Goods Company. 62,363; re-renewed Apr. 30, 1947. O. G. July 15.
Hosiery. H. W. Anthony Company. 221,524; renewed Dec. 7, 1946. O. G. July 15.
Hosiery. Interwoven Stocking Company. 227,532; renewed May 10, 1947. O. G. July 15.
Hosiery, J. W. Landenberger & Co. 227,311; renewed May 3, 1947. O. G. July 15.
Hosiery. Lord & Taylor. 61,276; re-renewed Mar. 12, 1947. O. G. July 15.
Pajamas, nightgowns, and slips, Ladies'. Dove Undies. 431,370; July 15.
Soles, half soles, and hand leather, Whole. J. E. Rhoads & Sons. 227,554; renewed May 10, 1947. O. G. July 15.

CLASS 40

Laces and shoe strings, Moccasin. J. E. Rhoads & Sons. 227,420; renewed May 3, 1947. O. G. July 15.
Shields, Slipover garment. I. B. Kleinert Rubber Company. 224,103; renewed Feb. 15, 1947. O. G. July 15.

CLASS 41

Umbrellas. Lynn Umbrella Mfg. Co. 431,180; July 15; Serial No. 492,447; published Apr. 29, 1947.

CLASS 42

Blankets, flannels, suitings in the piece, Bed textile. Pendleton Woolen Mills. 223,757; renewed Feb. 8, 1947. O. G. July 15.
Blankets, Woolen. Pendleton Woolen Mills. 222,644; renewed Jan. 4, 1947. O. G. July 15.
Cotton piece goods. Rice-Stix Dry Goods Company. 62,365; re-renewed Apr. 30, 1947. O. G. July 15.
Fabrics, Cotton, silk, and artificial silk. Turner & Vandam, Inc. 221,066; renewed Nov. 23, 1946. O. G. July 15.
Knitted fabrics of rayon, cotton, and/or wool. Pyramid Manufacturing Co., Inc. 431,357; July 15.
Rugs, Krinkle-braided. Deltox Rug Company. 227,408; renewed May 3, 1947. O. G. July 15.
Sheets and pillowcases. Fort Mill Manufacturing Co. 227,180; renewed May 3, 1947. O. G. July 15.
Textile fabrics in the piece. Kemp & Beatley, Inc. 431,359; July 15.
Textile fabrics in the piece. Rayflex Fabrics, Inc. 431,363; July 15.

CLASS 43

Thread, Cotton. General Thread Mills, Inc. 431,286; July 15; Serial No. 513,407; published Apr. 22, 1947.
Yarn, Hand crochet cotton. Bernhard Ulmann Co., Inc. 431,283; July 15; Serial No. 512,731; published Apr. 22, 1947.

CLASS 44

Implements used by physicians and surgeons. Abbott Laboratories. 431,293; July 15; Serial No. 514,874; published Apr. 29, 1947.
Prophylactic membranous articles. Youngs Rubber Corporation. 431,288; July 15; Serial No. 513,708; published Apr. 22, 1947.
Syringes, combination syringes, fountain syringes, and hot water bottles, Bulb. Faultless Rubber Company. 431,189; July 15; Serial No. 497,304; published Apr. 22, 1947.
Syringes, fountain syringes, and hot water bottles, Combination. Faultless Rubber Company. 431,190; July 15; Serial No. 497,305; published Apr. 22, 1947.
Water bottles, hot water bottle syringe attachments, combination syringes, etc., Baby hot. Faultless Rubber Company. 431,191; July 15; Serial No. 497,306; published Apr. 22, 1947.

CLASS 45

Beverages, Nonalcoholic maltless. Grand Pop Bottling Company. 225,329; renewed Mar. 15, 1947. O. G. July 15.
Grape juice. Safeway Stores, Incorporated. 224,893; renewed Mar. 8, 1947. O. G. July 15.

CLASS 46

Apples, Fresh. Nashoba Apple Packing Association Incorporated. 224,913; renewed Mar. 8, 1947. O. G. July 15.
Baking-powder, canned goods, coffee, etc. J. F. Humphreys & Co. 29,592; re-renewed Feb. 23, 1947. O. G. July 15.
Butter, eggs, and dressed poultry. Omaha Cold Storage Company. 223,939; renewed Feb. 15, 1947. O. G. July 15.
Cakes. S. Gumpert Co., Inc. 226,218; renewed Apr. 5, 1947. O. G. July 15.
Candy. Bunte Brothers. 227,112; renewed Apr. 26, 1947. O. G. July 15.
Candy. Clinton Industries, Inc. 431,195; July 15; Serial No. 498,597; published Apr. 15, 1947.
Candy. Hills, McLean & Haskins, Incorporated. 223,094; renewed Jan. 18, 1947. O. G. July 15.
Candy and candy bars. Curtiss Candy Company. 221,920; renewed Dec. 14, 1946. O. G. July 15.
Candy and candy bars. Curtiss Candy Company. 223,448; renewed Feb. 1, 1947. O. G. July 15.
Candy suckers. Bon-Berger Co. Inc. 431,249; July 15; Serial No. 506,855; published Apr. 22, 1947.
Candies. F. Coukoulis. 431,211; July 15; Serial No. 501,829; published Apr. 15, 1947.
Canned caviar. Meyer & Lange, Inc. 227,512; renewed May 10, 1947. O. G. July 15.
Canned fish. Pyramid Packing Company. 225,415; renewed Mar. 15, 1947. O. G. July 15.
Canned fruits. Apple Growers Association. 431,346; July 15.
Canned fruits and vegetables. Oneida Community Limited. 58,610; re-renewed Dec. 18, 1946. O. G. July 15.
Canned olives, canned white-meat tunny, jams, etc. Safeway Stores, Incorporated. 225,594; renewed Mar. 22, 1947. O. G. July 15.
Canned sardines. Edgewater Packing Company. 431,270; July 15; Serial No. 508,797; published Apr. 22, 1947.
Canned vegetables. Krier Preserving Company. 431,248; July 15; Serial No. 506,672; published Apr. 22, 1947.
Canned vegetables. R. C. Williams & Company, Inc. 227,544; renewed May 10, 1947. O. G. July 15.
Canned vegetables and canned fruits. Diamond Label Food Company. 431,307; July 15.
Canned vegetables, canned fruits, and canned cranberry sauce. Middlesex Wholesale Grocery Company. 431,367; July 15.
Coffee. N. L. Burchell. 57,579; re-renewed Nov. 13, 1946. O. G. July 15.
Coffee and tea. C. R. Maltby Co. 60,448; re-renewed Feb. 12, 1947. O. G. July 15.
Cornstarch, evaporated milk, canned soups, etc. Carpenter Cook Company. 227,069; renewed Apr. 26, 1947. O. G. July 15.
Dairy products. Arden Farms Co. 431,169; July 15; Serial No. 481,515; published Apr. 22, 1947.
Flavoring preparations, Fruit. Kilmer & Co., Incorporated. 431,208; July 15; Serial No. 501,389; published Apr. 22, 1947.
Flour, dairy feed, scratch feed, etc., Self-rising. Acme Evans Company. 220,571; renewed Nov. 9, 1946. O. G. July 15.
Food, Dog. Schreiber Milling & Grain Co. 431,236; July 15; Serial No. 505,524; published Apr. 29, 1947.
Food, Dog and cat. D. B. Lewis. 431,329; July 15.
Food for carnivorous animals. Swift & Company. 431,251; July 15; Serial No. 507,085; published Apr. 15, 1947.
Food product. Schreiber Products Corporation. 225,659; renewed Mar. 22, 1947. O. G. July 15.
Food product. Schreiber Products Corporation. 226,607; renewed Apr. 12, 1947. O. G. July 15.
Foods, Frozen. Krug Baking Company of New York, Inc. 431,213; July 15; Serial No. 502,220; published Apr. 22, 1947.
Fruits, Fresh citrous. Exeter Citrus Association. 227,227; renewed May 3, 1947. O. G. July 15.
Fruits, Fresh citrus. Arizona Citrus Products Company. 431,221; July 15; Serial No. 503,624; published Apr. 15, 1947.
Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 431,262; July 15; Serial No. 508,066; published Apr. 22, 1947.
Fruits, Fresh deciduous. K. E. Myers. 431,338; July 15.
Fruits, Frozen citrus and deciduous. Yosemite Growers Cooperative Association. 431,318; July 15.
Grapes, Fresh. H. J. Andreas. 431,269; July 15; Serial No. 508,775; published Apr. 22, 1947.
Grapes, Fresh. I. Grimaldi. 431,233; July 15; Serial No. 505,198; published Apr. 15, 1947.
Ice cream and flavoring materials, Variegated. Joe Lowe Corporation. 431,264; July 15; Serial No. 508,159; published Apr. 22, 1947.
Iodide-containing substances, Stabilized assimilable. Mallinckrodt Chemical Works. 431,168; July 15; Serial No. 480,463; published Apr. 22, 1947.
Jam, fig jam, peach jam, etc., Loganberry. Safeway Stores, Incorporated. 226,854; renewed Apr. 19, 1947. O. G. July 15.
Lard, leaf. Parker, Webb & Co. 62,458; re-renewed May 7, 1947. O. G. July 15.
Milk, Special vitamin A and vitamin D enriched evaporated. Page Milk Co. 431,162; July 15; Serial No. 476,849; published Apr. 15, 1947.
Mixture of ingredients for making pancakes. Cooperative Mills, Inc. 431,170; July 15; Serial No. 482,051; published Apr. 15, 1947.
Olive-oil. F. Romeo Co. 29,145; re-renewed Nov. 10, 1946. O. G. July 15.
Oysters, Fresh. Olympia Oyster Company, Inc. 431,352; July 15.
Peanuts, Shelled salted. C. G. Cowan. 431,179; July 15; Serial No. 490,529; published Apr. 15, 1947.
Pickles, chow-chow, sauerkraut, etc. H. J. Heinz Company. 61,051–2; re-renewed Mar. 5, 1947. O. G. July 15.
Prunes, dried raisins, vinegar and tomato catsup, Dried. B. L. Lancaster Company. 431,171; July 15; Serial No. 482,289; published Apr. 15, 1947.
Salami. Zion National Kosher Sausage Factory, Inc. 227,359; renewed May 3, 1947. O. G. July 15.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Electric Laboratories, assignee: *See*— Herrick, Roswell H.
Future Unlimited, assignee, et al.: *See*— Harold, Charles.
Harold, Charles, Butler, N. J., assignor, by mesne assignments, of eighty-five per cent to J. B. and F. T. Tigrett, a copartnership doing business as Future Unlimited, Jackson, Tenn., and fifteen per cent to D. T. Hatfield, Arlington, Va. Power unit for amusement devices and the like. Re. 22,900; July 15.
Hatfield, Dos T., assignee, et al.: *See*— Harold, Charles.
Herrick, Roswell H., Oak Park, Ill., assignor to Automatic Electric Laboratories Inc. Transmission system. Re. 22,897; July 15.
Hydraulic Development Corp., Inc., The, assignee: *See*— Tucker, Warren R.
Minneapolis Regulator Company, assignee: *See*— Scoggin, Elmer K.
Scoggin, Elmer K., Golden Valley, assignor to Minneapolis Regulator Company, Minneapolis, Minn. Stoker control. Re. 22,898; July 15.
Tigrett, Francis T., assignee, et al.: *See*— Harold, Charles.
Tigrett, John B., assignee, et al.: *See*— Harold, Charles.
Tucker, Warren R., Dayton, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Injection molding granular materials. Re. 22,899; July 15.

LIST OF DESIGN PATENTEES

Adams, Louis D., and N. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill. Fish lure. 147,101; July 15.
Adams, Louis D., and N. G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill. Fish lure. 147,102; July 15.
Adel Precision Products Corp., assignee: *See*— Morehouse, Eugene M.
American Car and Foundry Company, assignee: *See*— Kuhler, Otto.
American Optical Company, assignee: *See*— Splaine, Edward M.
Arpels, Claude, New York, N. Y. Combined wrist watch and bracelet. 147,103; July 15.
Bannister, Harry T., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing. 147,104; July 15.
Belz, Walter H.: *See*— Harris, Sidney, and Belz.
Borst, Robert O., Pasadena, Calif. Mobile service vehicle. 147,105; July 15.
Bradstock, Philip, Elyria, and S. S. Maier, Lorain, assignors to Guaranteed Products, Wellington, Ohio. Housing for electrical apparatus. 147,106; July 15.
Breitenstein, Charles T., assignor, by mesne assignments, to Holly Pen Corporation, Chicago, Ill. Fountain pen. 147,107; July 15.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lens housing. 147,108; July 15.
Char-Lynn Co., assignee: *See*— Darr, Harold W.
Chernow, Michael, New York, N. Y. Earring or similar article. 147,109; July 15.
Chrysler Corporation, assignee: *See*— Bannister, Harry T. Cadwallader, Robert.
Coe, Herbert A., Port Washington, N. Y. Cosmetic container. 147,110; July 15.
Coe, Herbert A., Port Washington, N. Y. Clock. 147,111; July 15.
Coe, Herbert A., Port Washington, N. Y. Clock. 147,112; July 15.
Columbia Protektosite Co., Inc., assignee: *See*— Utley, Lewis S.
Coro, Inc., assignee: *See*— Katz, Adolph.
Cravaritis, Andrew, Roslyn, N. Y. Cocktail shaker. 147,113; July 15.
Cutrow, Leonard A., Los Angeles, Calif. Table. 147,114; July 15.
Darr, Harold W., assignor to Char-Lynn Co., Minneapolis, Minn. Combined tire support and inspection light. 147,115; July 15.
Darr, Harold W., assignor to Char-Lynn Co., Minneapolis, Minn. Portable tire spreader. 147,116; July 15.
Deckard, Therrin J., Joplin, Mo. Font of type. 147,117; July 15.
Decker, James W., New York, N. Y. Art projector. 147,118; July 15.
Designers for Industry, Inc., assignee: *See*— Mankki, Onnie.
Diamond, Freda, New York, assignor to Syracuse Ornamental Co., Inc., Syracuse, N. Y. Wall bracket. 147,119; July 15.
Dietrich, Oscar E., Lawrence, Mass. Combined cigar case and humidifier. 147,120; July 15.
Fitzgerald, Elsie L., San Antonio, Tex. Vase. 147,121; July 15.
Flickinger, Bruce N., Glendale, Calif. Ash tray. 147,122; July 15.
Frez-O-Mat Sales Corporation, assignee: *See*— Rifkin, Milton.
Guaranteed Products, assignee: *See*— Bradstock, Philip, and Maier.
Hanni, Mowry J., Painesville, Ohio. Toothbrush cabinet. 147,123; July 15.
Harris, Sidney, New York, and W. H. Belz, Jackson Heights, N. Y. Pair of spectacles. 147,124; July 15.
Harvuot, Richard E., Inglewood, assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Crevice tool for vacuum cleaners. 147,125; July 15.
Harvuot, Richard E., Inglewood, assignor to Interstate Aircraft and Engineering Corp., El Segundo, Calif. Demothing attachment for vacuum cleaners. 147,126; July 15.
Holly Pen Corporation, assignee: *See*— Breitenstein, Charles T.
Hutchinson, Harry M., Carlisle, Pa. Hunting and fishing vest or similar article. 147,127; July 15.
Hutchinson, Harry M., Carlisle, Pa. Hunting and fishing vest or similar article. 147,128; July 15.
Ideal Industries, Inc., assignee: *See*— Schinske, William G.
International Silver Company, The, assignee: *See*— Theobald, Jean G.
Interstate Aircraft and Engineering Corp., assignee: *See*— Harvuot, Richard E.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,129; July 15.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,130; July 15.
Keenan, James, Los Angeles, Calif. Lighter. 147,131; July 15.
Kuhler, Otto, Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway vehicle. 147,132; July 15.
Maier, Simon S.: *See*— Bradstock, Philip, and Maier.
Mankki, Onnie, Cleveland Heights, assignor to Designers for Industry, Inc., Cleveland, Ohio. Chair. 147,133; July 15.
Martineau, Ernest J., assignee: *See*— Persons, Ernest L.
Matchett, William H., Auburn, Calif. Game board. 147,134; July 15.
Moran, Peter, Cleveland, Ohio. Combined child's vehicle and package carrier. 147,135; July 15.
Morehouse, Eugene M., Tujunga, Calif., assignor to Adel Precision Products Corp. Detergent supply tank for dishwashing apparatus. 147,136; July 15.
Muench, Charles M., New York, N. Y. Orphrey or similar article. 147,137; July 15.
Muench, Charles M., New York, N. Y. Orphrey or similar article. 147,138; July 15.
Muench, Charles M., New York, N. Y. Orphrey or similar article. 147,139; July 15.
Nordeng, Valborg A., Shelly, Minn. Brush or similar article. 147,140; July 15.

Oros, Joseph, Inkster, Mich. Combination kitchen unit. 147,141; July 15.
Pachner & Koller, Inc., assignee: *See*—
Adams, Louis D., and Poplin.
Paschman, Morris, New York, N. Y. Pin or similar article. 147,142; July 15.
Peck, Roger Q., Hawthorne, Calif. Lamp base. 147,143; July 15.
Peck, Roger Q., Hawthorne, Calif. Lamp base. 147,144; July 15.
Persons, Ernest L., Meriden, Conn., assignor of one-half to E. J. Martineau, Holyoke, Mass. Ash tray or similar article. 147,145; July 15.
Persons, Ernest L., Meriden, Conn., assignor of one-half to E. J. Martineau, Holyoke, Mass. Ash tray or similar article. 147,146; July 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,147; July 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,148; July 15.
Poplin, Nella G.: *See*—
Adams, Louis D., and Poplin.
Powell, Henry B.: *See*—
Roberts, William C., and Powell.
Rifkin, Milton, assignor to Frez-O-Mat Sales Corporation, Chicago, Ill. Frozen food cabinet. 147,149; July 15.
Roberts, William C., Chattanooga, and H. B. Powell, McMinnville, Tenn. Chair or similar article. 147,150; July 15.
Schinske, William G., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Battery charger. 147,151; July 15.
Spielberg, Saul, University City, Mo. Woman's purse. 147,152; July 15.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Spectacle frame or the like. 147,153; July 15.
Stanley, John G., Norwood, Ohio. Bracelet or similar article. 147,154; July 15.
Stern, William, Islip, N. Y. Combined chair, hair dryer, and supply cabinet. 147,155; July 15.
Sturm, Milton L., Chicago, Ill. Shoe tree. 147,156; July 15.
Syracuse Ornamental Co., Inc., assignee: *See*—
Diamond, Freda.
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Dish or other article of hollow ware. 147,157; July 15.
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Dish or other article of hollow ware. 147,158; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,159; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,160; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,161; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,162; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,163; July 15.
Tobler, Hans, Teaneck, N. J. Embroidered trimming or similar article. 147,164; July 15.
Toledo Scale Company, assignee: *See*—
Wood, George R.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Tuomey, John D., Forest Hills, assignor to Union Aircraft Products Corporation, New York, N. Y. Cigarette and match holder. 147,165; July 15.
Tuomey, John D., Forest Hills, assignor to Union Aircraft Products Corporation, New York, N. Y. Cigarette package and match holder. 147,166; July 15.
Union Aircraft Products Corporation, assignee: *See*—
Tuomey, John D.
Utley, Lewis S., Forest Hills, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb. 147,167; July 15.
Villanueva, Luis A., Madrid, Spain. Pair of sunglasses. 147,168; July 15.
Voiles Engineering Company, assignee: *See*—
Voiles, Oscar M.
Voiles, Oscar M., assignor to Voiles Engineering Company, Royal Oak, Mich. Combined toaster and hot plate or similar article. 147,169; July 15.
Wood, George R., assignor to Toledo Scale Company, Toledo, Ohio. Coffee mill. 147,170; July 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Moore, Marjorie B. and E. E.
Aga-Baltic Aktiebolag, assignee: *See*—
Alexandersson, Harald V.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Coghill, Robert D., and Moyer.
Haller, Herbert L. J.
Morell, Samuel A.
Tanner, Fred W., Jr., and Van Lanen.
Air Reduction Company, Incorporated, assignee: *See*—
Van Nuys, Claude C.
Ajax Engineering Corporation, assignee: *See*—
Tama, Manuel and M.
Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Ruegg, Rudolf.
Albany Felt Company, assignee: *See*—
Chagnon, Zephir J.
Albert, Harry B., assignee: *See*—
Chaplin, Edwin D.
Alexandersson, Harald V., Lidingo, assignor to Aga-Baltic Aktiebolag, Stockholdm, Sweden. Automatic phonograph record changer. 2,424,132; July 15.
All American Aviation, Inc., assignee: *See*—
Schultz, Arthur B.
Allcock, William, Jr., Kingsbury, London, assignor to Fescol Limited, London, England. Liquid level and temperature controller. 2,424,133; July 15.
Allen, Holly H., and A. Taylor, Charleston, W. Va. Egg separator. 2,424,134; July 15.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Bimpson, Henry S., and Palmer.
Allred, Samuel M., Dayton, Ohio. Roller skate. 2,424,072; July 15.
Amalgamated Engineering & Research Corporation, assignee: *See*—
Jenson, Arthur H.
American Cyanamid Company, assignee: *See*—
Hultquist, Martin E., and Northey.
Amtsberg, Lester A., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Rivet setting tool. 2,423,956; July 15.
Amtsberg, Lester A., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Driver for clinch nuts and the like. 2,423,957; July 15.
Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.
Anderson, Harold C., Chicago, Ill. Contrarotation propeller. 2,424,135; July 15.
Anderson, Russell M., Kansas City, Mo. Shoe rearching and straightening appliance. 2,423,921; July 15.
Anstett, Carl J., assignee, et al.: *See*—
Anstett, Edgar P.
Anstett, Dolly, assignee, et al.: *See*—
Anstett, Edgar P.
Anstett, Edgar P., assignor of twenty per cent to C. J. Anstett and twenty-five per cent to D. Anstett, Chicago, Ill. Nailing machine. 2,423,821; July 15.
Apex Railway Products Co., assignee: *See*—
Lave, Roy E.
Arco Company, The, assignee: *See*—
Foltz, Harold H.
Armstrong Cork Company, assignee: *See*—
McGarvey, Alan R., and Callis.
Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric transducer. 2,423,922; July 15.
Atlantic Coast Fisheries Company, The, assignee: *See*—
Savrda, Charles M.
Atlas Steels Limited, assignee: *See*—
Hammond, Charles P., and Cameron.
Andino, Hector, Teaneck, N. J. Guard for roofing gutters. 2,423,923; July 15.
Auerbach, Isidor, Drew Field, Fla. Calculator. 2,423,822; July 15.
Augenstein, Karl C., and A. Rieth, Cranston, assignors to Speidel Corporation, Provdence, R. I. Cathode-ray tube. 2,423,924; July 15.
Austin, Chester R., Columbus, Ohio, and E. J. Rogers, Troy, N. Y., assignors, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., and Ethyl Corporation, Detroit, Mich. Ceramic body. 2,423,958; July 15.
Autophon Aktiengesellschaft, assignee: *See*—
Tschumi, Otto.
Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Record feeding device. 2,424,073; July 15.
Baker, Herbert N., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Plow bottom with detachable plow point. 2,424,136; July 15.
Baker, William O, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cellulose ester-polyester compositions and methods of preparing them. 2,423,823; July 15.
Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Control apparatus. 2,424,137; July 15.
Bangham, Donald H., London, J. G. Bennett, Kingston-on-Thames, R. L. Brown, Liverpool, W. Hirst, Kingston-on-Thames, M. Pirani, Kingston Hill, and R. F. Jennings, Richmond, assignors to C. D. Patents Limited, Fulham, London, England. Manufacture of molded articles from coal. 2,424,012; July 15.
Barnes, George W., Jr.: *See*—
Caldwell, John A., and Barnes.
Barr, Richard E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Woodpecker drill. 2,424,138; 2,424,138; July 15.
Baumann, Karl, Knutsford, assignor to Metropolitan-Vickers Electrical Company, Limited, London, England. Transmission gearing for power plants. 2,423,820; July 15.
Bausch & Lomb Optical Company, assignee: *See*—
Meyer, Gerard A.
Stegeman, Raymond F. E.
Bebry, Percival P., Jamaica, N. Y. Convertible pullman seat bed. 2,424,139; July 15.
Bechler, André, Moutier, Switzerland. Bearing adjusting device. 2,424,013; July 15.
Beecher, Milton F., Holden, assignor to Norton Company, Worcester, Mass. Making abrasive articles. 2,424,140; July 15.
Beetham, Robert B., Cedar Rapids, Iowa, assignor to Collins Radio Company. Inductive tuning. 2,423,824; July 15.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Baker, William O.
Ferrell, Enoch B.
Beman, Ward W., Glendale, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Variable leverage control linkage. 2,423,959; July 15.
Bendix Aviation Corporation, assignee: *See*—
Du Bois, William H.
Frank, Frederick C.
Bennett, John G.: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.
Bent, Franklin A., and E. A. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Tall oil ester resins and their production. 2,424,074; July 15.
Bentley Engineering Company Limited, The, assignee: *See*—
Manger, Charles F., Buswell, and Peberdy.
Bergsteinsson, Ingolfur: *See*—
Finch, Harry D., and Bergsteinsson.
Bergsteinsson, Ingolfur, Billings, Mont., and H. D. Finch, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Supported silver catalyst and its preparation. 2,424,085; July 15.
Bergsteinsson, Ingolfur, Billings, Mont., and H. D. Finch, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of olefin oxides. 2,424,086; July 15.
Biddle, Frank E., Los Angeles, Calif., assignor, by mesne assignments, to Warner Bros. Pictures, Inc., New York, N. Y. Film guide for cameras. 2,423,925; July 15.
Bimpson, Henry S., West Allis, Wis., and E. J. Palmer, Washington, D. C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Solar salt water distilling apparatus. 2,424,142; July 15.
Birnie, John U., assignee: *See*—
Roach, Edward.
Bishop, Charles J., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Forming bearing liners. 2,423,868; July 15.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Spring suspension for tandem axle vehicles. 2,424,141; July 15.
Blessing, Gregory W., Moorestown, N. J., assignor to Radio Corporation of America. Composite structure and making the same. 2,423,860; July 15.

Blessing, Gregory W., Moorestown, N. J., assignor to Radio Corporation of America. Composite sheet metal structure. 2,423,870; July 15.

Bletcher, James H., assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.

Bletcher, Pearl W., assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.

Bletcher, Ralph E.: *See*—
Bucknell, Ernest H., and Bletcher.

Blom, Carl J., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Motor pump unit. 2,423,825; July 15.

Blumenthal, Eugene: *See*—
Osipow, Lloyd I., and Blumenthal.

Boardman, Harry D., trustee, assignee: *See*—
Jenkins, Charles R.

Bobeldyk, John M., Inwood, Iowa. Easy drive sweep. 2,424,014; July 15.

Bocji Corporation, assignee: *See*—
Lang, Joseph C.

Bohn Aluminum & Brass Corporation, assignee: *See*—
Bishop, Charles J.

Bond, John R.: *See*—
Norton, Howard E., and Bond.

Bonewitz, Bonnie M., assignee: *See*—
Parker, Milton E., and Bonewitz.

Bonewitz, Paul W.: *See*—
Parker, Milton E., and Bonewitz.

Booker, Carter L., St. Helena, Calif. Pie cutter. 2,424,015; July 15.

Borden, Joseph H.: *See*—
Panter, Carl, Borden, Christensen, and Holler.

Boston Wire Stitcher Company, assignee: *See*—
Harred, George H.

Botts, Hugh P., assignor of one-half to L. G. Botts, New York, N. Y. Game piece projector. 2,424,016; July 15.

Botts, Lawrence G., assignee: *See*—
Botts, Hugh P.

Brass, Philip D., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Deposited neoprene latex articles. 2,423,871; July 15.

Brassel, Jakob: *See*—
Straub, Fritz, Brassel, and Pieth.

Brauchler, Charles A., Canton, Ohio. Forging cylinder heads. 2,424,075; July 15.

Braun, G. A., Inc., assignee: *See*—
Yanchenko, Basil J.

British Celanese Limited, assignee: *See*—
Fisher, James W.

Britton, Loren D., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Brush holder. 2,423,926; July 15.

Brown, Alexander P., Beechhurst, N. Y. Piano action. 2,424,017; July 15.

Brown, Alexander P., Beechhurst, N. Y. Piano action. 2,424,018; July 15.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle feeler guide. 2,424,019; July 15.

Brown Instrument Company, The, assignee: *See*—
Caldwell, John A., and Barnes.

Brown, Orval A., Baytown, Tex., assignor to Standard Oil Development Company. Polymerization of olefins. 2,424,143; July 15.

Brown, Robert L.: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.

Bruen, George C., deceased, assignor, by mesne assignments, of thirty-five and five-tenths per cent to himself, thirty-five per cent to S. E. Bruen, Chicago, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Washington, D. C., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, one per cent to G. H. Fredericksen, Chicago, Ill., one per cent to E. M. Thorsen, St. Joseph, Mo.; S. E. Bruen, executrix. Card filing equipment. 2,424,144; July 15.

Bruen, Sophie E., executrix, assignee, et al.: *See*—
Bruen, George C.

Brush Development Company, The, assignee: *See*—
Arndt, John P., Jr.

Bucknell, Ernest H., and R. E. Bletcher, assignors of ten per cent to R. E. Bletcher, twelve and one-half per cent to E. H. Bucknell, twelve and one-half per cent to M. Bucknell, ten per cent to P. W. Bletcher, twenty-five per cent to M. B. Liston, ten per cent to J. H. Bletcher, 10 per cent to H. B. Skinner, and ten per cent to C. R. B. Robinson, Los Angeles, Calif. Shower head. 2,423,960; July 15.

Bucknell, Mabel, assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.

Budd Company, The, assignee: *See*—
Strickland, Harold A., Jr.
Warnick, Alan.

Buhler, Eugen, Cedar Grove, N. J., assignor to International Business Machines Corporation, New York, N. Y. Alphabetic interpreter. 2,424,076; July 15.

Bullock, Sarah M., assignee, et al.: *See*—
Bruen, George C.

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Constant viscosity hydraulic fluid compositions. 2,423,927; July 15.

Buswell, George A.: *See*—
Manger, Charles F., Buswell, and Peberdy.

Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,424,145; July 15.

Butterbaugh, Darrel J.: *See*—
Spence, Le Roy U., and Butterbaugh.

Buxton, Frederick L., North Hollywood, Calif. Adjustable skirt hanger. 2,423,961; July 15.

Byron Jackson Co., assignee: *See*—
Blom, Carl J.

C. D. Patents Limited, assignee: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.

Caldwell, John A., Philadelphia, and G. W. Barnes, Jr., Clifton Heights, assignor to The Brown Instrument Company, Philadelphia, Pa. Calibration mechanism for self-balancing potentiometers. 2,424,146; July 15.

Callis, Conral C.: *See*—
McGarvey, Alan R., and Callis.

Cameron, Allister M.: *See*—
Hammond, Charles P., and Cameron.

Campbell, Donald L., Short Hills, N. J., assignor to Standard Oil Development Company. Controlling catalyst-oil ratio by use of a venturi. 2,424,147; July 15.

Canal National Bank of Portland, The, assignee, trustees: *See*—
Randall, Walter H.

Cardone, Angelo B., Camden, N. J., and W. J. Gorman, Darby, and F. A. Rarick, Philadelphia, Pa. Grinding apparatus. 2,423,826; July 15.

Carelock, Claude L., Douglas, Ga. Peanut harvester. 2,424,148; July 15.

Carey, Ernest L.: *See*—
Carey, Harlan S.

Carey, Harlan S., assignor to E. L. Carey, Wichita, Kans. Constant tension jig saw. 2,424,077; July 15.

Carnegie-Illinois Steel Corporation, assignee: *See*—
McLain, William R.

Chagnon, Zephir J., Delmar, assignor to Albany Felt Company, Albany, N. Y. Tennis ball cover cloth. 2,423,827; July 15.

Chagnon, Zephir J., Delmar, assignor to Albany Felt Company, Albany, N. Y. Papermaker's felt. 2,423,828; July 15.

Chaplin, Edwin D., assignor to H. B. Albert, New York, N. Y. Dry cell. 2,424,149; July 15.

Chatelain, Oscar, Le Locle, Switzerland. Single-phase synchronous motor of small size. 2,424,020; July 15.

Cherry-Burrell Corporation, assignee, et al.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.

Chicago Pneumatic Tool Company, assignee: *See*—
Amtsberg, Lester A.

Chicago Rawhide Manufacturing Company, assignee: *See*—
Hansen, Hans L. C.

Christensen, Paul L.: *See*—
Panter, Carl, Borden, Christensen, and Holler.

Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Webb, Edmond F.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.

Claesson, Per Harry E.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Clark, Earl K., and J. S. Wojcik, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostat. 2,424,150; July 15.

Clark, Homer T., Los Angeles, and C. J. Paterson, Van Nuys, Calif. Lint remover. 2,423,962; July 15.

Clark, Llewellynn J., and W. F. Goosmann, assignors to The Tanglefoot Company, Grand Rapids, Mich. Reservoir for atomizers. 2,424,151; July 15.

Clearing Machine Corporation, assignee: *See*—
Wacker, George W.

Clipper, Oliver P., Toledo, Ohio, assignor by mesne assignments, to Libbey-Owens-Ford Glass Company. Corrosion resistant coating for cartridge cases. 2,423,872; July 15.

Coffman, Roscoe A., Las Vegas, Nev. Apparatus for cooking meats and the like. 2,423,963; July 15.

Coffman, Roscoe A., Fall Brook, Calif. Cooking meat. 2,423,964; July 15.

Coghill, Robert D., and A. J. Moyer, Peoria, Ill., assignors to United States of America, as represented by the Secretary of Agriculture. Method for production of increased yields of penicillin. 2,423,873; July 15.

Coles, Leon M., Port Chester, N. Y. Attachment for power razors to facilitate hair trimming. 2,423,874; July 15.

Collins Radio Company, assignee: *See*—
Beetham, Robert B.
May, Richard W.

Compo Shoe Machinery Corporation, assignee: *See*—
Dawson, Fred.
Small, Edward F.

Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Titania gel-boria catalyst and its method of preparation. 2,424,152; July 15.

Connor, Douglas M., Watchung, N. J. Artificial knee and brake. 2,424,078; July 15.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W., and Hoskins.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.
Helm, Herbert R.
Pearson, Paul E.

Cook, John, Ridgewood, N. J. Spooling. 2,424,021; July 15.

Copeland, Peter, assignee: *See*—
Nehrke, Charles.

Corhart Refractories Company, assignee: *See*—
Field, Theodore E.

Cornell, Hampton G., Baytown, Tex., assignor to Standard Oil Development Company. Vapor phase isomerization of normal paraffins. 2,423,846; July 15.

Corse, Joseph W.: *See*—
Shonle, Horace A. and Corse.

Cotton, William, Limited, assignee: *See*—
Macdonald, William G.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for forming end closures in paper containers. 2,423,965; July 15.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Collar can collar mounting. 2,423,966; July 15.

Cragin, Inez I., assignee: *See*—
Richards, John J.

Crooke, Raymond E.: *See*—
Willard, Waldo W., and Crooke.

Crucible Steel Company of America, assignee: *See*—
Hopper, Edward W.

Curley, Robert S., Biddeford, assignor to Saco-Lowell Shops, Boston, Mass. Cotton picker. 2,423,928; July 15.

Curtis, Myron S., and H. Schoepe, assignors to The Warner & Swasey Company, Cleveland, Ohio. Connecting and positioning device. 2,424,153; July 15.

Curtis, Russell R., and Harry C. Morgan, Dayton, assignors by mesne assignments, to Thompson Products, Inc., Cleveland, Ohio. Fuel gauge. 2,423,875; July 15.

Dalotel, Maurice Albert, Deuil, assignor to Suzanne Rosalie, Mathot, Paris, France. Sighting device for moving picture cameras. 2,423,967; July 15.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Spring and friction buffer for railway cars. 2,423,876; July 15.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Spring and friction buffer for railway cars. 2,423,877; July 15.

Dawson, Fred, West Roxbury, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe pressing apparatus. 2,423,878; July 15.

Deere & Company, assignee: *See*—
Martens, Maurice J.

De Frees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Bottom-fill truck tank. 2,423,879; July 15.

De Graaf, Jacob Engel, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Making ball-bearings. 2,423,880; July 15.

De Gramont, Armand A. A. A., Levallois- Perret, assignor to Optique et Precision De Levallois, Levallois-Perret, France. Telescope adjusting device. 2,424,011; July 15.

De Havilland Aircraft Company Limited, The, assignee: *See*—
Halford, Frank B.

Deutsch, Fritz Albert, Caracas, Venezuela. Apparatus for the extraction of a kernel or kernels from nuts. 2,424,022; July 15.

Diamond Chain and Manufacturing Company, assignee: *See*—
Focke, Arthur E. and Mize.

Dickinson, Edna V., assignee, et al.: *See*—
Bruen, George C.

Dilworth, Thomas B., Hinsdale, and Milo M. Schalla, Oak Lawn, Ill., assignors to General Motors Corporation, Detroit, Mich. Locomotive cooling system. 2,423,929; July 15.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. System of communication. 2,424,079; July 15.

Domestic Industries, Inc., assignee: *See*—
Sleeper, Paul H.

Draper Corporation, assignee: *See*—
Brown, Carl D.
Sanderson, Kenneth E., and Rogers.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Disk brake. 2,423,881; July 15.

Duff, Lloyd Berten, Milwaukee, Wis., assignor to Industrial Patents Corporation, Chicago, Ill. Cut-down device. 2,423,930; July 15.

Dunham, Aubra R., Glencoe, and H. V. Williamson, assignors to Experimental Laboratories Incorporated, Chicago, Ill. Subatmospheric gas burner. 2,424,154; July 15.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Mighton, Charles J.

Durfee, Benjamin M.: *See*—
Hamilton, Francis E., and Durfee.

Eddy, William C.: *See*—
Lake, Burton G., and Eddy.

Elgin National Watch Company, assignee: *See*—
Kohlhagen, Walter.

Emerick, Willard E., Canton, Ill., assignor to International Harvester Company. Plow. 2,424,155; July 15.

Engstrom, Ernst F., Chicago, Ill. Structural unit and cellular construction made therewith. 2,424,080; July 15.

Escher (Wyss) Maschinenfabriken Aktiengesellschaft, assignee: *See*—
Heer, Walter.

Espley, Dennis C., North Wembley, assignor to The General Electric Company Limited, London, England. Apparatus for transmitting and receiving radio signals. 2,424,156; July 15.

Ethyl Corporation, assignee: *See*—
Austin, Chester R., and Rogers.

Etter, Howard E., Salem, Mass., assignor to Radio Corporation of America. Apparatus for generating sweep voltages. 2,423,931; July 15.

Experimental Laboratories Incorporated, assignee: *See*—
Dunham, Aubra R., and Williamson.

Fairman, Francis E., Jr., South Ardmore, Pa., assignor to General Electric Company. Interchangeable electric switchgear. 2,424,081; July 15.

Falk, Alfred E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. High-frequency apparatus. 2,423,968; July 15.

Farnsworth Television and Radio Corporation, assignee: *See*—
Falk, Alfred E.
Schantz, Joseph D.

Ferrell, Enoch B., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating system. 2,423,829; July 15.

Ferry Cap & Set Screw Company, The, assignee: *See*—
Greene, Elmer G.

Fescol Limited, assignee: *See*—
Allcock, William, Jr.

Field, Theodore Estes, assignor to Corhart Refractories Company, Louisville, Ky. Alumina low silica refractory. 2,424,082; July 15.

Filer & Stowell Co., The, assignee: *See*—
Read, Everett C.

Finch, Harry D.: *See*—
Bergsteinsson, Ingolfur, and Finch.

Finch, Harry D., Berkeley, Calif., and I. Bergsteinsson, Billings, Mont., assignors to Shell Development Company, San Francisco, Calif. Supported silver catalyst. 2,424,083; July 15.

Finch, Harry D., Berkeley, Calif., and I. Bergsteinsson, Billings, Mont., assignors to Shell Development Company, San Francisco, Calif. Manufacture of olefin oxides. 2,424,084; July 15.

Finzel, Herman, assignor to N. H., R., and G. Weil, Chicago, Ill., as trustees. Gear rolling machine. 2,423,932; July 15.

Fisher, James W., Spondon, near Derby, assignor to British Celanese Limited, London, England. Production of cellulose derivatives. 2,423,883; July 15.

Fisher, Jay, assignee, et al.: *See*—
Bruen, George C.

Focke, Arthur E., and G. G. Mize, assignors to Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chain. 2,424,087; July 15.

Foltz, Harold H., assignor to The Arco Company, Cleveland, Ohio. Dispensing apparatus. 2,423,969; July 15.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Cathode ray screen having contrasting colors and unlike rates of decay of luminescence. 2,423,830; July 15.

Food Machinery Corporation, assignee: *See*—
Mumma, Harold J.
Verrinder, Ernest A.

Ford Instrument Company, Inc., assignee: *See*—
Willard, Waldo W., and Crooke.

Foster Wheeler Corporation, assignee: *See*—
Hirsch, Joel H.

Fowler, Gilbert, Brooklyn, N. Y. Spot shirring attachment. 2,424,157; July 15.

Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Disk brake. 2,423,882; July 15.

Fredericksen, George H., assignee, et al.: *See*—
Bruen, George C.

Freeman, Louis G., Jr., Cincinnati, Ohio. Decorating machine. 2,424,023; July 15.

Fuel Refining Corporation, assignee: *See*—
Otto, Carl.

Fuqua, Mack C., and J. B. Lovell, Baton Rouge, La., assignors to Standard Oil Development Company. Refining a petroleum oil containing naphthenic acids. 2,424,158; July 15.

Furman, Frank J., Endicott, and E. J. Lamb, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Educational device for aerial gunners. 2,424,088; July 15.

Garbarini, Robert F., Woodside, and W. G. Wing, West Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Apparatus for directing guns. 2,423,831; July 15.

Gardiner, Winston A.: *See*—
Lawshe, Walter D., and Gardiner.

Gardner, Louis W., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Geophone polarity indicator. 2,423,970; July 15.

Garton, Jesse, Hawthorn, Victoria, Australia. Manually operated lever for bending and shearing metal rods. 2,424,024; July 15.

Gearon, James J., Chicago, Ill. Inflatable, collapsible, military pontoon bridge. 2,423,832; July 15.

Gegauf, Fritz, assignor to Fritz Gegauf's Söhne Aktiengesellschaft, Steckborn, Switzerland. Sewing machine attachment. 2,424,025; July 15.

Gegauf's Fritz, Söhne Aktiengesellschaft, assignee: *See*—
Gegauf, Fritz.

General Electric Company, assignee: *See*—
Dome, Robert B.
Fairman, Francis E., Jr.
Fonda, Gorton R.
Gethmann, Richard B.
Lord, Harold W.
Navias, Louis, and Green.
Schneider, Fred B.
Smith, Sidney R., Jr.

General Electric Company Limited, The, assignee: *See*—
Espley, Dennis C.

General Motors Corporation, assignee: *See*—
Britton, Loren D.
Dilworth, Thomas B., and Schalla.
Humer, Frank.
Sampson, Frederick W., and Hyde.
Talmage, Charles R.

Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Ultra high frequency amplifier. 2,424,089; July 15.

Gilbert, Henry I., Brooklyn, N. Y. Plastic masses and making the same. 2,424,026; July 15.

Gist, Fred M., Monahans, Tex. Casing centering device. 2,424,027; July 15.

Gittings, Lewis D., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Vitreous glazes and enamels. 2,423,971; July 15.

Glass, Walter, Northbrook, Ill. Reflector shield unit for germicidal lamps. 2,423,884; July 15.

Globe Hoist Company, assignee: *See*—
Thompson, Elmer B.

Gluesenkamp, Earl W., Centerville, and M. Kosmin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Oleyl esters of sulphobenzoic acids. 2,423,972; July 15.

Goetz, Alice E., Maricopa County, Ariz. Weighted shoe. 2,424,159; July 15.

Goodrich, B. F., Company, The, assignee: *See*—
Jones, Paul C., and Mathes.
Krupp, Carroll P.

Goosmann, William F.: *See*—
Clark, Llewellynn J., and Goosmann.

Gordinier, Ralph E., assignor to Special Engineering Service, Incorporated, Detroit, Mich. Work support. 2,424,090; July 15.

Gorman, William J.: *See*—
Cardone, Angelo B., Gorman, and Rarick.

Gosh, Edmond J., Milwaukee, Wis. Fishing rod holder. 2,423,933; July 15.

Graflex, Inc., assignee: *See*—
Kals, William S.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Green, Robert L.: *See*—
Navias, Louis, and Green.

Greene, Elmer G., Lakewood, assignor to The Ferry Cap & Set Screw Company, Cleveland, Ohio. Machine for cleaning and polishing studs and the like. 2,424,160; July 15.

Gulf Research Development Company, assignee: *See*—
Gardner, Louis W.

Gulledge, Eugene A.: *See*—
Snow, Howard, and Gulledge.

Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Electric bottle warmer. 2,424,161; July 15.

Gustafsson, Elof G. R., Stockholm, Sweden. Marking tool. 2,424,162; July 15.

Haeberlein, Max, Maplewood, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Bearing. 2,424,028; July 15.

Hagenstad, Roy.: *See*—
Nordgren, Elmer W., and Hagenstad.

Halford, Frank B., assignor to The De Havilland Aircraft Company Limited, Edgware, England. Shaft bearing. 2,423,973; July 15.

Haller, Herbert L. J., Washington, D. C., assignor to The United States of America, as represented by the Secretary of Agriculture. Cyclopropyl alkyl ethers as insecticides. 2,424,029; July 15.

Hamblin, Barbara, assignee, et al.: *See*—
Hamblin, Clyde M.

Hamblin, Clyde M., assignor of one-fifth to E. F. Hamblin, one-fifth to H. L. Hamblin, and one-fifth to B. Hamblin, Washington, D. C. Convection heating apparatus. 2,423,974; July 15.

Hamblin, Eva F., assignee, et al.: *See*—
Hamblin, Clyde M.

Hamblin, Helen L., assignee, et al.: *See*—
Hamblin, Clyde M.

Hamilton, Francis E., Endicott, and B. M. Durfee, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record controlled dividing machine. 2,424,091; July 15.

Hammer, Bernard W.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.

Hammer, Edwin M., Rockford, Ill. Fluid mixing apparatus. 2,424,163; July 15.

Hammond, Charles P., and A. McK. Cameron, assignors to Atlas Steels Limited, Welland, Ontario, Canada. Drill steel rod. 2,424,092; July 15.

Hammond, Laurens, Chicago, Ill. Radiant energy detecting apparatus. 2,423,885; July 15.

Hansen, Hans L. C., Detroit, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Agitator and dispenser for lubricating compounds. 2,423,934; July 15.

Harred, George H., East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland Maine. Apparatus for stacking and transporting objects. 2,424,093; July 15.

Harris, Frederic R., New York, N. Y. Coupling apparatus for floating dry docks. 2,424,164; July 15.

Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism. 2,423,935; July 15.

Hartford Bank and Trust Company, assignee, trustee: *See*—
de Graaf, Jacob E.

Hartley, Reuben K., Hamilton, Mo. Tractor-mounted hay rake and stacker. 2,424,165; July 15.

Hayes, Harvey C., Washington, D. C. Balanced driver for sonic depth finder. 2,424,030; July 15.

Heer, Walter, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Machine for machining any kind of curved surfaces. 2,424,031; July 15.

Helm, Herbert R., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Bell type gassing and vacuumizing apparatus for dehydrated products. 2,423,975; July 15.

Helmco, Inc., assignee: *See*—
Gunther, Frederick F.

Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Precast reinforced concrete member. 2,423,936; July 15.

Henderson, Clara M., Burlington, Iowa. Floor coaster. 2,424,032; July 15.

Hercules Powder Company, assignee: *See*—
Reese, John E.

Herr, Vincent A., Collinsville, Ill. Detachable handle. 2,424,094; July 15.

Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.

Hilker, Harrison F., and H. Welker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Knitting machine and method. 2,424,033; July 15.

Hillenbrand, Louis J., Allentown, Pa. Centrifuge device for thermometers. 2,424,166; July 15.

Hillquist, Karl J., Seattle, Wash. Strip locking means for abrading and polishing machines. 2,424,167; July 15.

Hindmarch, Thomas, London, England. Power transmission mechanism. 2,423,886; July 15.

Hipple, James L., Canton, Ill., assignor to International Harvester Company. Material dispensing device having a roller with discharge controller. 2,424,168; July 15.

Hirsch, Joel H., Oakmont, Pa., assignor to Foster Wheeler Corporation, New York, N. Y. Fluid catalytic conversion of hydrocarbon oils. 2,423,833; July 15.

Hirst, Wallace: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.

Hoe, R. & Co., Inc., assignee: *See*—
Huck, William F.

Hoeber, Barbara D. W., executor: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, South Dartmouth, Mass.; B. D. W. Hoeber and W. T. Read, executors, assignors to Textile Research Co. Picker stick check for looms. 2,423,887; July 15.

Hoffman, Allen S., assignor to Howard Sales Company, Council Bluffs, Iowa. Self-illuminated plastic plug-in alphabet blocks. 2,424,169; July 15.

Holler, Walker W.: *See*—
Panter, Carl, Borden, Christensen, and Holler.

Hopper, Edward W., Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Tin-plate brightening apparatus. 2,424,034; July 15.

Horneman, Herman C., R. V. Hussong, and S. N. Quam, Danville, Ill., and B. W. Hammer, Ames, Iowa, assignors to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill. Milk fat concentrate process. 2,423,834; July 15.

Horton, Arthur, Chicago, Ill. Towing bar. 2,424,095; July 15.

Hoskins, Edmund E.: *See*—
Washburn, Harold W., and Hoskins.

Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Inert heat material in contact mass catalysis. 2,423,835; July 15.

Houdry Process Corporation, assignee: *See*—
Houdry, Eugene J.

Howard Sales Company, assignee: *See*—
Hoffman, Allen S.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Plate clamping mechanism for printing machines. 2,424,170; July 15.

Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Stone ejector for field hay choppers. 2,424,171; July 15.

Huddleston, Lon, Oklahoma City, Okla. Animal boot. 2,424,172; July 15.

Huesser, Frank A., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for measuring the level of a molten metal bath. 2,423,888; July 15.

Hughes, Everett C.: *See*—
Burk, Robert E., and Hughes.

Hultquist, Martin E., and E. H. Northey, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. N¹-Benzoyl sulfonamide. 2,423,976; July 15.

Humer, Frank, assignor to General Motors Corporation, Detroit, Mich. Deck lid handle and lock. 2,423,937; July 15.

Hunter Engineering Co., assignee: *See*—
Hunter, Joseph L.

Hunter, Joseph L., assignor to Hunter Engineering Co., Riverside, Calif. Cord lock for Venetian blinds. 2,423,977; July 15.

Hunter, Joseph L., assignor to Hunter Engineering Co., Riverside, Calif. Head rail and mounting bracket for Venetian blinds. 2,423,978; July 15.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Watertight bag. 2,423,889; July 15.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Collapsible inflating device. 2,423,890; July 15.

Hussong, Ralph V.: *See*—
Horneman, H. C. Hussong, Quam, and Hammer.

Huston, Kenneth M., and V. A. Rayburn, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrolytic production of alloy coatings. 2,424,173; July 15.

Hyde, George J.: *See*—
Sampson, Frederick W., and Hyde.

Hydropress, Incorporated, assignee: *See*—
Landesberg, Nathan.

Ifield, Richard J., Ealing, London, assignor to Joseph Lucas Limited, Birmingham, England. Pressure governor for pumps. 2,424,035; July 15.

Illinois Tool Works, assignee: *See*—
Poupitch, Ouzilesa J.

Imhof, Herman A.: *See*—
Robinson, Charles A., and Imhof.

Imperial Chemical Industries Limited, assignee: *See*—
Traill, David, and McLean.

Industrial Patents Corporation, assignee: *See*—
Duff, Lloyd B.

Interior, United States of America, as represented by the Secretary of the, assignee: *See*—
McHenry, Douglas.

International Business Machines Corporation, assignee: *See*—
Ayres, Waldemar A.
Buhler, Eugen.
Furman, Frank J., and Lamb.
Hamilton, Francis E., and Durfee.
Johnson, Reynold B.
Lang, William.
Rast, Frederick Q.

International Harvester Company, assignee: *See*—
Emerick, Willard E.
Hipple, James L.
Huddle, Edwin F.
Messenger, Robert P., and Johnson.
Morkoski, James.

Interwoven Stocking Company, assignee: *See*—
Hilker, Harrison F., and Welker.

Jackel, Victor, New York, N. Y. Brush and comb sterilizer. 2,424,036; July 15.

Janchan, Francis, Milwaukee, Wis. Artificial bait. 2,424,096; July 15.

Jenkins, Charles R., Parma, assignor to H. D. Boardman, Jackson, Mich., as trustee. Pressure applying device for clamps and the like. 2,424,037; July 15.

Jennings, Rodney F.: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.

Jensen, Joseph M., Oakland, and B. Vale, San Francisco, Calif. Toilet disinfector. 2,424,174; July 15.

Jenson, Arthur H., Evanston, assignor to Amalgamated Engineering & Research Corporation, Chicago, Ill. Releasable coupling. 2,423,979; July 15.

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway centralized traffic controlling apparatus. 2,424,038; July 15.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Service cabinet. 2,423,938; July 15.

Johnson, Arnold E. W.: *See*—
Messenger, Robert P., and Johnson.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,424,097; July 15.

Jones, Paul C., Silver Lake, and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber or the rubbery copolymer of butadiene and styrene. 2,424,175; July 15.

Jurrat, John W. K., Glendale, Calif. Latching device. 2,423,980; July 15.

Kals, William S., Vancouver, British Columbia, Canada, assignor to Graflex, Inc., Rochester, N. Y. Portrait camera with automatic iris diaphragm operation. 2,424,176; July 15.

Kaltreider, David S., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal resin composition. 2,423,981; July 15.

Kaskouras, Thomas, Chicago, Ill. Toothbrush holder. 2,424,098; July 15.

Kaufman, Joseph, New York, N. Y. Lock. 2,423,982; July 15.

Kell, Alfred O., Cincinnati, Ohio. Paint brush holder. 2,424,099; July 15.

Kellerman, Frederick, New York, assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Bifrequency magnetic testing apparatus. 2,423,891; July 15.

Kelly, Leslie J., assignee: *See*—
Mackin, John J.

Kern, Gladys M., administratrix: *See*—
Terrell, Oliver C.

Kestenman Bros. Mfg. Co., assignee: *See*—
Valcourt, Louis E.

King, Carl B., Wichita, Kans. Toolholder. 2,423,892; July 15.

Kis, John, Racine, Wis. Adjustable toolholder. 2,423,983; July 15.

Knee, Simon, Newark, N. J. Wallet with secret compartment. 2,423,939; July 15.

Knoll, Felix W. A., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Wing flap extending mechanism. 2,423,984; July 15.

Kohlhagen, Walter, assignor to Elgin National Watch Company, Elgin, Ill. Motion controlling device. 2,423,985; July 15.

Kosmin, Milton: *See*—
Gluesenkamp, Earl W., and Kosmin.

Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Expansible impact container provided with yieldable retaining means. 2,423,940; July 15.

La France, Henry, Rumford, Maine. Wedge for tool handles. 2,423,893; July 15.

Laisne, Eugene W., Fresno, Calif. Metal working machine. 2,423,941; July 15.

Lake, Burton G., and W. C. Eddy, U. S. Navy. Ultra high frequency communication system. 2,423,836; July 15.

Lamb, Eugene J.: *See*—
Furman, Frank J., and Lamb.

Lambert, Clarence, Smith Center, Kans. Hydraulic power scoop. 2,423,894; July 15.

Landesberg, Nathan, assignor to Hydropress, Incorporated, New York, N. Y. Regulation of the flow of water through hydraulic turbines. 2,424,039; July 15.

Lang, Joseph C., assignor to Bocjl Corporation, Pittsburgh, Pa. Collapsible fiberboard container. 2,423,942; July 15.

Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Relay tape adding and result checking machine. 2,424,100; July 15.

Lange, Willy, Cincinnati, Ohio, and R. Livingston, Chicago, Ill., assignors to Ozark-Mahoning Company. Production of anhydrous fluorophosphoric acid. 2,423,895; July 15.

La Pointe, Albert A., West Hartford, assignor to La Pointe Engineering Company, Unionville, Conn. Grinding wheel dresser. 2,423,943; July 15.

La Pointe Engineering Company, assignee: *See*—
La Pointe, Albert A.

Lari, Ray V., San Francisco, Calif. Valved, slidable discharge tube. 2,424,101; July 15.

Lathrope, Franklin C., Blue Island, assignor to Naylor Pipe Company, Chicago, Ill. Nesting pipe. 2,423,986; July 15.

Lave, Roy E., Homewood, assignor to Apex Railway Products Co., Chicago, Ill. Making metallic gratings. 2,423,896; July 15.

Lawshe, Walter D., and W. A. Gardiner, assignors, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash. Tensile testing machine. 2,424,177; July 15.

Le Vesconte, Harold J., Glendale, Calif., and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,424,102; July 15.

Levikow, Simon, Kansas City, Mo. Frame and closure therefor. 2,423,987; July 15.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Clipper, Oliver P.

Lickteig, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Locking latch. 2,423,988; July 15.

Lilly, Eli, and Company, assignee: *See*—
Shonle, Horace A., and Corse.

Liston, Marcia B., assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.

Livingston, Ralph: *See*—
Lange, Willy, and Livingston.

Lobley, Frederick A., W. T. Williams, and W. E. Lowell, assignors to Miles Laboratories, Inc., Elkhart, Ind. Conveyor for packaging machines. 2,424,103; July 15.

Lockheed Aircraft Corporation, assignee: *See*—
Beman, Ward W.
Knoll, Felix W. A.

Long, Floyd E., Tarpon Springs, Fla. Releasing grappling hook or anchor. 2,424,040; July 15.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric circuits. 2,424,104; July 15.

Lovell, John B.: *See*—
Fugua, Mack C., and Lovell.

Lowe, Russell E.: *See*—
Morgan, John D., and Lowe.

Lowell, Walter E.: *See*—
Lobley, Frederick A., Williams, and Lowell.

Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.

Luers, John M., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich. Cut-off blade. 2,424,041; July 15.

Luers, John M., Patents Incorporated, assignee: *See*—
Luers, John M.

Lundberg, Charles, Brooklyn, N. Y. Adjustable engineering curve. 2,424,042; July 15.

Macdonald, William G., assignor to William Cotton Limited, Loughborough, England. Straight bar knitting machine. 2,424,105; July 15.

Mackin, John J., assignor to Leslie J. Kelly, Green Bay, Wis. Producing vinegar. 2,423,897; July 15.

Magnetic Analysis Corporation, assignee: *See*—
Kellerman, Frederick.

Mallory, P. R., & Co., Inc., assignee: *See*—
Puerner, George O.

Manger, Charles F., G. A. Buswell, and R. Peberdy, assignors to The Bentley Engineering Company Limited, Leicester, England. Circular knitting machine. 2,423,989; July 15.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Martens, Maurice J., East Moline, assignor to Deere & Company, Moline, Ill. Reversible wheel. 2,424,106; July 15.

Martin, Carl A., Negaunee, Mich. Primer. 2,423,837; July 15.

Maryland Paper Products Company, Inc., assignee: *See*—
Moore, Paul C., Jr.

Mathes, Roger A.: *See*—
Jones, Paul C., and Mathes.

Mathot, Suzanne R., assignee: *See*—
Dalotel, Maurice A.

Matthews, Bryan H. C., Cambridge, England. Apparatus for effecting navigational calculations. 2,424,178; July 15.

May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Keying relay. 2,423,838; July 15.

McCahan, John H., Canton, Ohio. Shoe insole construction. 2,424,107; July 15.

McCrory, Kenneth W., Kansas City, Mo. Electric fence controller. 2,423,990; July 15.

McGarvey, Alan R., Manheim Township, Lancaster County, and C. C. Callis, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Method of making magnesia insulation. 2,423,839; July 15.

McGarvey, Alan R., Manheim Township, Lancaster County, and C. C. Callis, Penn Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Making magnesia insulation. 2,423,840; July 15.

McGarvey, Alan R., Manheim Township, and C. C. Callis, Penn Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Making magnesia insulation. 2,423,841; July 15.

McHenry, Douglas, Denver, Colo., assignor to United States of America, as represented by the Secretary of the Interior. Protective covering for bonded wire electric strain gages. 2,423,842; July 15.

McLain, William R., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Refractory bottom for metallurgical furnaces. 2,423,898; July 15.

McLean, Andrew: *See*—
Traill, David, and McLean.

McNab, John G.: *See*—
Zimmer, John C., and McNab.

McNitt, Robert J., Perth Amboy, N. J. Method and apparatus for purifying a molten light metal by precipitation of impurities. 2,424,179; July 15.

Mellen, William F.: *See*—
Rogers, Harry, and Mellen.

Merchant, George A., River Forest, Ill. Apparatus for mining coal or similar mineral. 2,424,180; July 15.

Merten, Eugene, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Hydraulic ram system. 2,424,108; July 15.

Messenger, Robert P., Kenilworth, and A. E. W. Johnson, Oak Park, Ill., assignors to International Harvester Company. Corn snapping and husking device. 2,424,181; July 15.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.

Metsger, Alfred D., U. S. Navy. Suction servomotor with follow-up device. 2,423,843; July 15.

Meyer, Gerard A., Gates, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Hardening metallic films. 2,424,043; July 15.

Miesse, Jules, Brussels, Belgium. Crankshaft grinding machine. 2,424,109; July 15.

Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic rubberlike butadiene acrylonitrile-aliphatic vinylethinyl carbinol material. 2,424,182; July 15.

Miles Laboratories, Inc., assignee: *See*—
Lobley, Frederick A., Williams, and Lowell.

Miller, Harvey L., Siler City, N. C. Endless abrasive belt sanding machine. 2,424,044; July 15.

Millstein, Jacob H., Jeannette, Pa. Toy gun and container. 2,424,045; July 15.

Miner, W. H. Inc., assignee: *See*—
Dath, George E.

Mize, George G.: *See*—
Focke, Arthur E., and Mize.

Monsanto Chemical Company, assignee: *See*—
Gittings, Lewis D.
Gluesenkamp, Earl W., and Kosmin.
Kaltreider, David S.
Lawshe, Walter D., and Gardiner.

Moore, Edmond E.: *See*—
Moore, Majorie B. and E. E.

Moore, Harvey: *See*—
Moore, Jerry L. and H.

Moore, Jerry L., and H., Quitman, Tex. Gauge line cleaning device. 2,424,046; July 15.

Moore, Joe Hiram, Hobbs, N. Mex., assignor to Shell Development Company, San Francisco, Calif. Well flow control. 2,423,944; July 15.

Moore, Marjorie B. and E. E., Waukegan, Ill., assignors to Abbott Laboratories. 2-ω-carbalkoxy alkyl-3-oxo-4-carbalkoxy tetrahydrothiophene. 2,424,007; July 15.

Moore, Paul C., Jr., assignor to Maryland Paper Products Company, Inc., Baltimore, Md. Resilient holding straw packaging machines. 2,424,183; July 15.

Morell, Samuel A., Peoria, Ill., assignor to the Government of the United States as represented by the Secretary of Agriculture. Tertiary amino pentanols and esters thereof. 2,424,184; July 15.

Morgan, Harry C.: *See*—
Curtis, Russell R., and Morgan.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Timepiece lubricant. 2,423,844; July 15.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Forming castings on disposable cores. 2,424,047; July 15.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,424,185; July 15.

Morrison, George O., and T. P. G. Shaw, Shawinigan Falls, assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Heat sealing with partially hydrolyzed polyvinyl acetate. 2,424,110; July 15.

Moyer, Andrew J.: *See*—
Coghill, Robert D., and Moyer.

Mumma, Harold J., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Transfer mechanism for a counter. 2,423,991; July 15.

Myers, Norval F., Short Hills, N. J., assignor to Standard Oil Development Company. Increasing the usefulness of solid isomerization catalyst masses. 2,423,845; July 15.

National Brass Company, assignee: *See*—
Lickteig, Albert F.

Navias, Louis, Schenectady, and R. L. Green, Scotia, N. Y., assignors to General Electric Company. Ceramic products. 2,424,111; July 15.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Vorobik, Casimer E.

Naylor Pipe Company, assignee: *See*—
Lathrope, Franklin C.

Nehrke, Charles, assignor of one-half to P. Copeland, New York, N. Y. Slideable and pivoted cover for containers. 2,424,112; July 15.

Nielsen, Joseph N., assignee: *See*—
Peterson, Thomas F.

Norberg, Harold, Detroit, and H. Smith, Pleasant Ridge, assignors to Plan-O-Mill Corporation, Hazel Park, Mich. Tap and holder therefor. 2,424,113; July 15.

Nordberg Manufacturing Company, assignee: *See*—
Barr, Richard E.

Nordgren, Elmer E., and R. W. Hagenstad, Minneapolis, Minn. Rotary buffing tool. 2,423,992; July 15.

Northey, Elmore H.: *See*—
Hultquist, Martin E., and Northey.

Norton Company, assignee: *See*—
Beecher, Milton F.

Norton, Howard E., Baltimore, and J. R. Bond, Colura, Md. Oil smoke generator. 2,423,847; July 15.

Nulty, William B., trustee, assignee: *See*—
Randall, Walter H.

O'Connor, Harry W., New York, N. Y. Spacer ring. 2,423,848; July 15.

Odgard, Andrew J., Glendale, Calif. Bait-mounting needle. 2,423,899; July 15.

Opdyke, Harry W.: *See*—
Wrightman, Harry J., and Opdyke.

Optique Et Precision De Levallois, assignee: *See*—
Armand, Antoine Auguste Atenor, Duc de Gramont.

Osipow, Lloyd I., Brooklyn, and E. Blumenthal, New York, assignors to Technical Products Company, Hudson County, N. Y. Electrolytic steam pad for ironing boards. 2,423,945; July 15.

Ostlund, Henning I., Minneapolis, Minn. Hay stacker. 2,423,946; July 15.

Otto, Carl, Manhasset, N. Y. Production ammonium sulphate. 2,424,207; July 15.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Production of ammonium sulphate. 2,424,205; July 15.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Production of ammonium sulphate. 2,424,206; July 15.

Ozark-Mahoning Company, assignee: *See*—
Lange, Willy, and Livingston.

Packie, John W., Green Village, and W. H. Rupp, Mountainside, N. J., assignors to Standard Oil Development Company. Sulfuric acid extraction of isobutylene from hydrocarbon mixtures. 2,424,186; July 15.

Palmer, Ernest J.: *See*—
Bimpson, Henry S., and Palmer.

Palnut Company, The, assignee: *See*—
Wohlhieter, Joseph W.

Panhandle Eastern Pipe Line Company, assignee: *See*—
Young, Farrile S.

Pankowski, Robert S., La Porte, Ind. Garment support. 2,424,048; July 15.

Panter, Carl, and J. H. Borden, Philadelphia, Pa., and P. L. Christensen and W. W. Holler, Washington, D. C. Grenade adapter. 2,423,993; July 15.

Parker, Milton E., Barrington Township, Cook County, Ill., and P. W. Bonewitz, Burlington, Iowa, assignors of one-half to P. W. Bonewitz and one-half to B. M. Bonewitz. Cleaning containers. 2,424,049; July 15.

Parker, Royden W., Haddonfield, N. J. Soldering iron. 2,423,900; July 15.

Paterson, Carl J.: *See*—
Clark, Homer T., and Paterson.

Patterson, Lola M., New Bremen, Ohio. Knee protector. 2,423,849; July 15.

Pearce, Lewis C., Berea, assignor to Standard Envelope Manufacturing Company, Cleveland, Ohio. Punching machine. 2,424,187; July 15.

Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Side seam for sheet metal can bodies. 2,424,188; July 15.

Peberdy, Roland: *See*—
Manger, Charles F., Buswell, and Peberdy.

Pecker, Anne G., assignee: *See*—
Pecker, Joseph S. and E. A.

Pecker, Edwin A.: *See*—
Pecker, Joseph S. and E. A.

Pecker, Joseph S. and E. A., assignors of one-half to A. G. Pecker, Philadelphia, Pa. Liquid starch compositions and preparing the same. 2,424,050; July 15.

Peery, Norman E., assignor to Shell Development Company, San Francisco, Calif. Effecting catalytic conversions with finely divided catalysts. 2,423,850; July 15.

Pennsylvania Furnace and Iron Company, assignee: *See*—
De Frees, Joseph H.

Perkins, John B., Red Bank, N. J. Deferred action primary dry cell. 2,423,901; July 15.

Petersen, Kai, Soborg, near Copenhagen, Denmark. Apparatus for treating garbage and the like waste materials. 2,423,994; July 15.

Peterson, Elbert A.: *See*—
Bent, Franklin A., and Peterson.

Peterson, Thomas F., Shaker Heights, assignor of one-fifth to J. N. Nielsen, New York, N. Y. High frequency electric field heating apparatus. 2,423,902; July 15.

Phillips Petroleum Company, assignee: *See*—
Schulze, Walter A.

Pickens, Claude E., Ulysses, Kans. Starch pan attachment for clothes wringers. 2,424,051; July 15.

Pieth, Peter: *See*—
Straub, Fritz, Brassel, and Pieth.

Pirani, Marcello: *See*—
Bangham, Donald H., Bennett, Brown, Hirst, Pirani, and Jennings.

Pitzer, Edgar C., assignor to Standard Oil Company, Chicago, Ill. Catalytic reforming process. 2,423,947; July 15.

Plan-O-Mill Corporation, assignee: *See*—
Norberg, Harold, and Smith.

Polakoff, Louis, Boston, Mass. Skirt. 2,424,114; July 15.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Locking device. 2,424,208; July 15.

Powell, Archibald D., Braintree, England. Elevating support for scaffold platforms. 2,424,115; July 15.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film processor. 2,424,052; July 15.

Preformed Parts, Inc., assignee: *See*—
Schuler, George, Jr.

Press Wireless, Inc., assignee: *See*—
Sprague, Robert M.

Prince, Charles W., Kansas City, Mo. Device for supporting articles on garments. 2,423,948; July 15.

Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Time switch. 2,424,116; July 15.

Quam, Sidney N.: *See*—
Horneman, Herman C., Hussong, Quam, and Hammer.

Radford, Albert E., Canton, Ohio. Decorating pottery. 2,424,117; July 15.

Radio Corporation of America, assignee: *See*—
Blessing, Gregory W.
Etter, Howard E.

Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pulp molding die. 2,424,189; July 15.

Rarick, Francis A.: *See*—
Cardone, Angelo B., Gorman, and Rarick.

Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for continuously recording the path of flight of aircraft. 2,424,118; July 15.

Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Clock. 2,424,119; July 15.

Rayburn, Vincent A.: *See*—
Huston, Kenneth M., and Rayburn.

Read, Everett C., assignor to The Filer & Stowell Co., Milwaukee, Wis. Stuffing box. 2,424,190; July 15.

Read, William T., executor: *See*—
Hoeber, Harold.

Reese, John E., assignor to Hercules Powder Company, Wilmington, Del. Producing menthenetriol. 2,423,851; July 15.

Rembold, Albert T., San Francisco, Calif. Card for sequence sorting. 2,424,053; July 15.

Remington Rand Inc., assignee: *See*—
Wolters, Carl F.

Research Corporation, assignee: *See*—
Sloan, David H.

Reynolds, Julian L., Richmond, Va. Pneumatic tire. 2,423,995; July 15.

Richards, John J., assignor to I. I. Cragin, Brookline, Mass. Vaporizer. 2,424,209; July 15.

Rickenmann, Alfred, Kusnacht/Zurich, Switzerland. Machine for grinding toothed gears. 2,424,191; July 15.

Rieth, Albert: *See*—
Augenstein, Karl C., and Rieth.

Roach, Edward, assignor to J. U. Birnie, Los Angeles, Calif. Coating metal with inorganic insulating composition. 2,424,054; July 15.

Roach, Robert F., Mangum, Okla. Wire stretcher. 2,423,903; July 15.

Robinson, Charles A., Salem, and H. A. Imhof, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of shoes. 2,423,852; July 15.

Robinson, Charlotte R. B., assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.

Rogers, Edwin J.: *See*—
Austin, Chester R., and Rogers.

Rogers, Harry, Bakersfield, and W. F. Mellen, Whittier, Calif. Two-way plow. 2,424,192; July 15.

Rogers, Leonard M.: *See*—
Sanderson, Kenneth E., and Rogers.

Rohm & Haas Company, assignee: *See*—
Spence, Le Roy U., and Butterbaugh.

Rost, Helge F., Djursholm, K. H. Thunell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Self-steering device. 2,424,193; July 15.

Rousseau, Claude, Montmagny, Quebec, Canada. Hook conveyer. 2,424,055; July 15.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,423,996; July 15.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Ramified tubular gas heater. 2,423,997; July 15.

Ruetschi, Arnold, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,423,904; July 15.

Rupp, Walter H.: *See*—
Packie, John W., and Rupp.

Rust, Frederick F., and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Controlled catalytic photochemical oxidation of organic compounds. 2,423,949; July 15.

Ruth, Marjorie I., Louisville, Ky. Toeless hose. 2,424,056; July 15.

Ryan, Daniel P., U. S. Army. Haversack. 2,423,853; July 15.
Saco-Lowell Shops, assignee: *See*—
Curley, Robert S.
Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors to General Motors Corporation. Extensible shoulder stock for firearms. 2,424,194; July 15.
Sanderson, Kenneth E., Hopedale, and L. M. Rogers, Mendon, assignors to Draper Corporation, Hopedale, Mass. Loom control arm. 2,424,058; July 15.
Sandow, William, Livonia, N. Y. Foot massaging machine. 2,424,120; July 15.
Savrda, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Fish filleting machine. 2,424,057; July 15.
Schalla, Milo M.: *See*—
Dilworth, Thomas B., and Schalla.
Schantz, Joseph D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Electron discharge device. 2,423,998; July 15.
Schantz, Joseph D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Impulse generator. 2,423,999; July 15.
Schläpfer, Oskar, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Electric generating plant for the propulsion of vehicles. 2,424,121; July 15.
Schneider, Fred B., Wesleyville, Pa., assignor to General Electric Company. Pressure recovery and gas cleaning device. 2,424,122; July 15.
Schoepe, Harry: *See*—
Curtis, Myron S., and Schoepe.
Schruben, Nicholas M., Chicago, Ill. Game board. 2,424,123; July 15.
Schuler, George, Jr., Crestwood, assignor to Preformed Parts, Inc., Pleasantville, N. Y. Earring. 2,423,905; July 15.
Schultz, Arthur B., assignor to All American Aviation, Inc., Wilmington, Del. Winch construction. 2,423,906; July 15.
Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic conversion of hydrocarbons. 2,423,907; July 15.
Schweda, Albert M.: *See*—
Le Vesconte, Harold J., and Schweda.
Schwinn, Frank W., Chicago, Ill. Carrier attachment. 2,424,195; July 15.
Scott, Jim, Crossroads, N. Mex. Apparatus for reconditioning of dry cell batteries. 2,424,059; July 15.
Seemuller, Elmer F., Philadelphia, Pa. Forming designs in knitted or woven fabric or synthetic polyamide fibers such as nylon. 2,424,124; July 15.
Shanker, Meyer W., New York, N. Y. Protecting and restraining garment. 2,424,000; July 15.
Shapiro, Samuel G., New York, N. Y. Industrial table. 2,424,060; July 15.
Shaw, Thomas P. G.: *See*—
Morrison, George O., and Shaw.
Shawinigan Chemicals Limited, assignee: *See*—
Morrison, George O., and Shaw.
Sheesley, Jay R., Chicago, Ill. Railway car truck. 2,424,001; July 15.
Shell Development Company, assignee: *See*—
Bent, Franklin A., and Peterson.
Bergsteinsson, Ingolfur, and Finch.
Finch, Harry D., and Bergsteinsson.
Merten, Eugen.
Moore, Joe H.
Peery, Norman E.
Rust, Frederick F., and Vaughan.
White, Ellis R.
Shonle, Horace A., and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. 9-amino-alkyl-amino-substituted acridine derivatives. 2,424,061; July 15.
Shonle, Horace A., and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. 2-methoxy-6-chloro-9-[4'-(diisopropylamino)butylamino]-acridine. 2,424,062; July 15.
Shonle, Horace A., and J. W. Corse, assignors to Eli Lilly and Company, Indianapolis, Ind. 2-methoxy-6-chloro-9-[2'-hydroxy-3-(ethyl-n-butylamino)-propylamino]-acridine. 2,424,063; July 15.
Sieling, Edward H., Chicago, Ill. Handle. 2,424,125; July 15.
Simpson, Clarence E., Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War. Head space adjusting and locking means for removable firearm barrels. 2,423,854; July 15.
Skinner, Hazel B., assignee, et al.: *See*—
Bucknell, Ernest H., and Bletcher.
Sleeper, Paul H., Albion, Mich., assignor to Domestic Industries, Inc., Chicago, Ill. Apparatus for handling trucks and the like. 2,424,196; July 15.
Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. High-frequency electronic tube. 2,424,002; July 15.
Small, Edward F., Newton, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Securing heels to shoes. 2,423,908; July 15.
Smaller, Bernard, Chicago, Ill. Multiunit, single scale oximeter. 2,423,855; July 15.
Smith, Carroll, Shreveport, La. Cover operating mechanism. 2,423,909; July 15.
Smith, Hugo: *See*—
Norberg, Harold, and Smith.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit breaker. 2,424,126; July 15.
Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Swing. 2,423,950; July 15.
Snow, Howard, and E. A. Gulledge, Charlotte, N. C., assignors to Southern Friction Materials Company. Woven fabric. 2,423,910; July 15.
Society of Chemical Industry in Basle, assignee: *See*—
Straub, Fritz, and Brassel and Pieth.
Southern Friction Materials Company, assignee: *See*—
Snow, Howard, and Gulledge.
Special Engineering Service, Incorporated, assignee: *See*—
Gordinier, Ralph E.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C., and Rieth.
Spence, Le Roy U., Elkins Park, and D. J. Butterbaugh, assignors to Rohm & Haas Company, Philadelphia, Pa. Catalytic production of butadiene and catalyst therefor. 2,423,951; July 15.
Sperry Gyroscope Company, Inc., assignee: *See*—
Garbarini, Robert F., and Wing.
Woodyard, John R.
Sprague, Robert M., Great Neck, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Frequency modulation. 2,423,952; July 15.
Standard Envelope Manufacturing Company, assignee: *See*—
Pearce, Lewis C.
Standard Oil Company, assignee: *See*—
Pitzer, Edgar C.
Standard Oil Company, The, assignee: *See*—
Burk, Robert E., and Hughes.
Standard Oil Development Company, assignee: *See*—
Brown, Orval A.
Campbell, Donald L.
Connolly, Gerald C.
Cornell, Hampton G.
Fuqua, Mack C., and Lovell.
Myers, Norval F.
Packie, John W., and Rupp.
Zimmer, John C., and McNab.
Stanley, Leopold G., Maplewood, N. J. Billfold. 2,423,911; July 15.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Illuminating device. 2,424,064; July 15.
Stewart, George C., Caldwell, N. J. Plotting instrument. 2,424,065; July 15.
Stone, Albert R., Belair, Md. Automatic gun control for tanks. 2,423,856; July 15.
Stratton, Frank E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Signaling system for fastening-inserting machines. 2,423,953; July 15.
Straub, Fritz, Kaiseraugst, and J. Brassel, and P. Pieth, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Disazo dyes from dihydroxy benzidine. 2,424,066; July 15.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Connector block. 2,424,197; July 15.
Stuart, G. A., assignee, et al.: *See*—
Bruen, George C.
Sugar Creek Creamery Company, assignee, et al.: *See*—
Hormeman, H. C., Hussong, Quam, and Hammer.
Sulzer Freres, Societe Anonyme, assignee: *See*—
Schläpfer, Oskar.
Sun Oil Company, assignee: *See*—
Vose, Richard S.
Sutton, Frank, Cwmbran, England. Fluid controlling valve. 2,424,210; July 15.
Syracuse Chilled Plow Co., Inc., assignee: *See*—
Baker, Herbert N.
Talmage, Charles R., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Treating composite metal. 2,423,857; July 15.
Tama, Manuel and M., Morrisville, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J. Induction furnace. 2,423,912; July 15.
Tama, Mario: *See*—
Tama, Manuel and M.
Tanglefoot Company, The, assignee: *See*—
Clark, Llewellynn J., and Goosmann.
Tanner, Fred W., Jr., and J. M. Van Lanen, Peoria, Ill., assignors to United States of America, as represented by the Secretary of Agriculture. Production of riboflavin by candida flareri. 2,424,003; July 15.
Tauscher, Vernon A., Inglewood, Calif. Cable tension regulator. 2,424,198; July 15.
Taylor, Auburn: *See*—
Allen, Holly H., and Taylor.
Technical Products Company, assignee: *See*—
Osipow, Lloyd I., and Blumenthal.

Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. 1,3-epoxyarylofurazanes as parasiticidal preparations. 2,424,199; July 15.
Terrell, Oliver C., deceased, Portland, Oreg.; G. M. Kern, administratrix. Sound deadener. 2,424,004; July 15.
Textile Research Co., assignee: *See*—
Hoeber, Harold.
Thoenen, Marie, assignee, et al.: *See*—
Bruen, George C.
Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Hoist. 2,423,954; July 15.
Thompson Products, Inc., assignee: *See*—
Curtis, Russell R., and Morgan.
Thoren, Robert E., Seattle, Wash. Cable clamp and sealing device. 2,424,067; July 15.
Thorsen, E. M., assignee, et al.: *See*—
Bruen, George C.
Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.
Traill, David, Ardrossan, and A. McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Mothproofing furs. 2,424,068; July 15.
Trailmobile Company, assignee: *See*—
Black, James J.
Trist, Ronald, & Co., Limited, assignee: *See*—
Wakley, Thomas L.
Trofimov, Lev A., Willoughby, Ohio. Remotely controlled load moving and positioning system. 2,424,200; July 15.
Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Voice operated switch for a duplex system. 2,424,069; July 15.
Union Special Machine Company, assignee: *See*—
Le Vesconte, Harold J., and Schweda.
Rubel, Charles F.
Union Switch & Signal Company, The, assignee: *See*—
Jerome, Arthur L.
United Aircraft Corporation, assignee, et al.: *See*—
Austin, Chester R., and Rogers.
United Shoe Machinery Corporation, assignee: *See*—
Hart, George T., Jr.
Robinson, Charles A., and Imhof.
Stratton, Frank E.
United States Rubber Company, assignee: *See*—
Brass, Philip D.
Hurt, Victor H.
Ter Horst, William P.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Connector for wrist-watch bracelets and other linkages. 2,424,127; July 15.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Connector for wrist-watch bracelets and other linkages. 2,424,128; July 15.
Vale, Baldwin: *See*—
Jensen, Joseph M., and Vale.
Vang, Alfred, New York, N. Y. Electric discharge, ultra high frequency generating, and switching tubes. 2,423,858; July 15.
Van Karner, Joseph W., New York, N. Y. Smoke producing device. 2,423,859; July 15.
Van Lanen, James M.: *See*—
Tanner, Fred W., Jr., and Van Lanen.
Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,424,201; July 15.
Van Patten, Charles D., Flint, Mich. Hydroplane boat hull form. 2,423,860; July 15.
Van Winkle, Delbert M.: *See*—
Zener, Clarence M., and Van Winkle.
Varner, Robert F., Hicksville, Ohio. Tractor accessory. 2,424,005; July 15.
Vaughan, William E.: *See*—
Rust, Frederick F., and Vaughan.
Verrinder, Ernest A., Redlands, assignor to Food Machinery Corporation, San Jose, Calif. Fruit marking machine. 2,424,006; July 15.
Vigren, Sten D.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.
Vincelle, Dorothy, Oakland, Calif. Shampoo cap. 2,424,129; July 15.
Vogt, Elsa, Philadelphia, Pa. Meat package and preparing the same. 2,423,861; July 15.
Vorobik, Casimer E., U. S. Navy, assignor to United States of America, as represented by the Secretary of the Navy. Binding and covering apparatus. 2,423,862; July 15.
Vose, Richard S., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Composite fuel and preparation. 2,423,913; July 15.
Wacker, George W., Cincinnati, Ohio, assignor to Clearing Machine Corporation, Chicago, Ill. Machine for molding plastic materials. 2,423,914; July 15.
Wacker, George W., assignor to Clearing Machine Corporation, Chicago, Ill. Method for heating and packaging thermoplastic molding material. 2,423,915; July 15.
Wakley, Thomas L., assignor to Ronald Trist & Co. Limited, Slough, England. Magnetic device. 2,424,130; July 15.
Wales, George F., Kenmore, N. Y. Sheet metal compartment with shelf supports and manufacture. 2,423,863; July 15.
Walker, William H., Harvey, Ill. Friction drive control. 2,423,916; July 15.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Simpson, Clarence E.
Warner Bros. Pictures, Inc., assignee: *See*—
Biddle, Frank E.
Warner & Swasey Company, The, assignee: *See*—
Curtis, Myron S., and Schoepe.
Ruetschi, Arnold.
Warnick, Alan, Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Reactive current indicator. 2,424,131; July 15.
Washburn, Harold W., and E. E. Hoskins, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Variable reactance. 2,423,864; July 15.
Wayman, Albert J., Youngstown, Ohio. Cable rack. 2,424,008; July 15.
Webb, Edmond F., Franklin Village, assignor to Chrysler Corporation, Highland Park, Mich. Gasoline filter. 2,424,211; July 15.
Weil, George, trustee, assignee, et al.: *See*—
Finzel, Herman.
Weil, N. H., trustee, assignee, et al.: *See*—
Finzel, Herman.
Weil, Ralph, trustee, assignee, et al.: *See*—
Finzel, Herman.
Welker, Harold: *See*—
Hilker, Harrison F., and Welker.
Welsh, Frederick E., Springwater, N. Y. Portable bulkhead. 2,424,070; July 15.
Western Electric Company, Incorporated, assignee: *See*—
Hueser, Frank A.
Huston, Kenneth M., and Rayburn.
Westinghouse Electric Corporation, assignee: *See*—
Clark, Earl K., and Wojcik.
White, Ellis R., Albany, assignor to Shell Development Company, San Francisco, Calif. Anticorrosive. 2,423,865; July 15.
Widener, Ellis, Birmingham, Ala. Sand box. 2,423,955; July 15.
Willard, Cora B., executrix: *See*—
Willard, Waldo W., and Crooke.
Willard, Waldo W., deceased, by C. B. Willard, Schenectady, executrix, and R. E. Crooke, Little Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Apparatus for gunfire control. 2,424,071; July 15.
Williams, William T.: *See*—
Lobley, Frederick A., Williams, and Lowell.
Williamson, Hilding V.: *See*—
Dunham, Aubra R., and Williamson.
Wilson, Paul B., assignor to H. D. Wolgamot, Portland, Oreg. Plastic shuttle. 2,423,917; July 15.
Wing, Willis G.: *See*—
Garbarini, Robert F., and Wing.
Witherow, William P., assignee: *See*—
Henderson, Albert.
Wohlhieter, Joseph W., East Orange, assignor to The Palnut Company, Irvington, N. J. Nut or bolt lock. 2,423,918; July 15.
Wojcik, Joseph S.: *See*—
Clark, Earl K., and Wojcik.
Wolgamot, Harold D., assignee: *See*—
Wilson, Paul B.
Wolters, Carl F., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Card index cabinet. 2,423,919; July 15.
Woodward, William H., Detroit, Mich. Lamp socket mounting. 2,424,009; July 15.
Woodyard, John R., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Wave separator. 2,423,866; July 15.
Woolery, Horace E., deceased, St. Paul; M. L. Woolery, executrix, assignor to Woolery Machine Company, Minneapolis, Minn. Railway tie treating apparatus. 2,424,202; July 15.
Woolery Machine Company, assignee: *See*—
Woolery, Horace E.
Woolery, Myra L., executrix: *See*—
Woolery, Horace E.
Worthington Pump and Machinery Corporation, assignee: *See*—
Haeberlein, Max.
Wrightman, Harry H., Detroit, Mich., and H. W. Opdyke, Montpeller, Ohio. Journal safety device. 2,424,203; July 15.
Yanchenko, Basil J., assignor, by mesne assignments, to G. A. Braun, Inc., Syracuse, N. Y. Timer for riveters. 2,423,920; July 15.
Young, Farrile S., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Field compressor. 2,424,010; July 15.
Zener, Clarence M., Newton Center, and D. M. Van Winkle, Newtonville, Mass. Method and apparatus for stress-strain testing. 2,423,867; July 15.
Zimmer, John C., Union, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Extreme pressure lubricants. 2,424,204; July 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Granular materials, Injection molding. W. R. Tucker. Re. 22,899; July 15.
Power unit for amusement devices and the like. C. Harold. Re. 22,900; July 15.
Stoker control. E. K. Scoggin. Re. 22,898; July 15.
Transmission system. R. H. Herrick. Re. 22,897; July 15.

LIST OF DESIGN INVENTIONS

Ash tray. B. N. Flickinger. 147,122; July 15.
Ash tray or similar article. E. L. Persons. 147,145–6; July 15.
Attachment for vacuum cleaners, Demothing. R. E. Harvuot. 147,126; July 15.
Battery charger. W. G. Schinske. 147,151; July 15.
Bracelet or similar article. J. G. Stanley. 147,154; July 15.
Bracket, Wall. F. Diamond. 147,119; July 15.
Brooch or similar article. A. Katz. 147,129–30; July 15.
Brooch or similar article. A. Philippe. 147,147–8; July 15.
Brush or similar article. V. A. Nordeng. 147,140; July 15.
Cabinet, Frozen food. M. Rifkin. 147,149; July 15.
Cabinet, Toothbrush. M. J. Hanni. 147,123; July 15.
Case and humidifier, Combined cigar. O. E. Dietrich. 147,120; July 15.
Chair. O. Mankki. 147,133; July 15.
Chair, hair dryer, and supply cabinet, Combined. W. Stern. 147,155; July 15.
Chair or similar article. W. C. Roberts and H. B. Powell. 147,150; July 15.
Clock. H. A. Coe. 147,111–12; July 15.
Comb. L. S. Utley. 147,167; July 15.
Container, Cosmetic. H. A. Coe. 147,110; July 15.
Dish or other article of hollow ware. J. G. Theobald. 147,157–8; July 15.
Earring or similar article. M. Chernow. 147,109; July 15.
Embroidered trimming or similar article. H. Tobler. 147,159–64; July 15.
Font of type. T. J. Deckard. 147,117; July 15.
Frame or the like, Spectacle. E. M. Splaine. 147,153; July 15.
Game board. W. H. Matchett. 147,134; July 15.
Holder, Cigarette and match. J. D. Tuomey. 147,165; July 15.
Holder, Cigarette package and match. J. D. Tuomey. 147,166; July 15.
Housing for electrical apparatus. P. Bradstock and S. S. Maier. 147,106; July 15.
Housing, Lens. H. T. Bannister. 147,104; July 15.
Housing, Lens. R. Cadwallader. 147,108; July 15.
Kitchen unit, Combination. J. Oros. 147,141; July 15.
Lamp base. P. Q. Peck. 147,143–4; July 15.
Lighter. J. Keenan. 147,131; July 15.
Lure, Fish. L. D. Adams and N. G. Poplin. 147,101–2; July 15.
Mill, Coffee. G. R. Wood. 147,170; July 15.
Orphrey or similar article. C. M. Muench. 147,137–9; July 15.
Pen, Fountain. C. T. Breitenstein. 147,107; July 15.
Pin or similar article. M. Paschman. 147,142; July 15.
Projector, Art. J. W. Decker. 147,118; July 15.
Purse, Woman's. S. Spielberg. 147,152; July 15.
Shaker, Cocktail. A. Cravaritis. 147,113; July 15.
Shoe tree. M. L. Sturm. 147,156; July 15.
Spectacles, Pair of. S. Harris and W. H. Belz. 147,124; July 15.
Sunglasses, Pair of. L. A. Villanueva. 147,168; July 15.
Table. L. A. Cutrow. 147,114; July 15.
Tank for dishwashing apparatus, Detergent supply. E. M. Morehouse. 147,136; July 15.
Tire spreader, Portable. H. W. Darr. 147,116; July 15.
Tire support and inspection light, Combined. H. W. Darr. 147,115; July 15.
Toaster and hot plate or similar article, Combined. O. M. Volles. 147,169; July 15.
Tool for vacuum cleaners, Crevice. R. E. Harvuot. 147,125; July 15.
Vase. E. L. Fitzgerald. 147,121; July 15.
Vehicle and package carrier, Combined child's. P. Moran. 147,135; July 15.
Vehicle, Mobile service. R. O. Borst. 147,105; July 15.
Vehicle, Railway. O. Kuhler. 147,132; July 15.
Vest or similar article, Hunting and fishing. H. M. Hutchinson. 147,127–8; July 15.
Watch and bracelet, Combined wrist. C. Arpels. 147,103; July 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Making. M. F. Beecher. 2,424,140; July 15.
Acid extraction of isobutylene from hydrocarbon mixtures, Sulfuric. J. W. Packie and W. H. Rupp. 2,424,186; July 15.
Acid, Production of anhydrous fluoro-phosphoric. W. Lange and R. Livingston. 2,423,895; July 15.
Adding and result checking machine, Relay type. W. Lang. 2,424,100; July 15.
Adjustable skirt hanger. F. L. Buxton. 2,423,961; July 15.
Agitator and dispenser for lubricating compounds. H. L. C. Hansen. 2,423,934; July 15.
Agricultural implement. J. Morkoski. 2,424,185; July 15.
Alloy coatings, Electrolytic production of. K. M. Huston and V. A. Rayburn. 2,424,173; July 15.
Alphabet blocks, Self-illuminated plastic plug-in. A. S. Hoffman. 2,424,169; July 15.
Alphabetic interpreter. E. Buhler. 2,424,076; July 15.
Alumina low silica refractory. T. E. Field. 2,424,082; July 15.
Amino pentanols and esters thereof, Tertiary. S. A. Morell. 2,424,184; July 15.
Ammonium sulphate, Production of. C. Otto. 2,424,205–7; July 15.
Amplifier, Ultra high frequency. R. B. Gethmann. 2,424,089; July 15.
Anticorrosive. E. R. White. 2,423,865; July 15.
Apparatus for continuously recording the path of flight of aircraft. F. Q. Rast. 2,424,118; July 15.
Apparatus for cooking meats and the like. R. A. Coffman. 2,423,963; July 15.
Apparatus for directing guns. R. F. Garbarini and W. G. Wing. 2,423,831; July 15.
Apparatus for effecting navigational calculations. B. H. C. Matthews. 2,424,178; July 15.
Apparatus for forming end closures in paper containers. J. Coyle. 2,423,965; July 15.
Apparatus for generating sweep voltages. H. E. Etter. 2,423,931; July 15.
Apparatus for gunfire control. W. W. Willard and R. E. Crooke. 2,424,071; July 15.
Apparatus for handling trucks and the like. P. H. Sleeper. 2,424,196; July 15.
Apparatus for mining coal or similar mineral. G. A. Merchant. 2,424,180; July 15.
Apparatus for reconditioning of dry cell batteries. J. Scott. 2,424,059; July 15.
Apparatus for stacking and transporting objects. G. H. Harred. 2,424,093; July 15.
Apparatus for the extraction of a kernel or kernels from nuts. F. A. Deutsch. 2,424,022; July 15.
Apparatus for transmitting and receiving radio signals. D. C. Espley. 2,424,156; July 15.
Apparatus for treating garbage and the like waste materials. K. Petersen. 2,423,994; July 15.
Articles from coal, Manufacture of molded. D. H. Bangham, J. G. Bennett, R. L. Brown, W. Hirst, M. Pirani, and R. F. Jennings. 2,424,012; July 15.
Attachment for power razors to facilitate hair trimming. L. M. Coles. 2,423,874; July 15.
Bag: *See*—
Watertight bag.
Bait, Artificial. F. Janchan. 2,424,096; July 15.
Ball-bearings, Making. J. E. de Graaf. 2,423,880; July 15.
Bar: *See*—
Towing bar.
Bearing: *See*—
Shaft bearing.
Bearing. M. Haeberlein. 2,424,028; July 15.
Bearing adjusting device. A. Bechler. 2,424,013; July 15.
Bearing liners, Forming. C. J. Bishop. 2,423,866; July 15.
Billfold. L. G. Stanley. 2,423,911; July 15.
Binding and covering apparatus. C. E. Vorobik. 2,423,862; July 15.
Blade, Cutoff. J. M. Luers. 2,424,041; July 15.
Block: *See*—
Connector block.
Board: *See*—
Game board.
Boot, Animal. L. Huddleston. 2,424,172; July 15.
Bottle warmer, Electric. F. F. Gunther. 2,424,161; July 15.
Bottom-fill truck tank. J. H. De Frees. 2,423,879; July 15.
Box: *See*—
Sand box.
Stuffing box.
Bracket for Venetian blinds, Head rail and mounting. J. L. Hunter. 2,423,978; July 15.
Brake: *See*—
Disk brake.
Brush holder. L. D. Britton. 2,423,926; July 15.
Buffer for railway cars, Spring and friction. G. E. Dath. 2,423,876–7; July 15.
Bulkhead, Portable. F. E. Welsh. 2,424,070; July 15.
Burner: *See*—
Subatmospheric gas burner.
Butadiene acrylonitrile-aliphatic vinylethinyl carbinol material, Synthetic rubberlike. C. J. Mighton. 2,424,182; July 15.
Cabinet: *See*—
Card index cabinet.
Service cabinet.
Cable rack. A. J. Wayman. 2,424,008; July 15.
Cable tension regulator. V. A. Tauscher. 2,424,198; July 15.
Calculator. I. Auerbach. 2,423,822; July 15.
Calibration mechanism for self-balancing potentiometers. J. A. Caldwell and G. W. Barnes, Jr. 2,424,146; July 15.
Camera with automatic iris diaphragm operation, Portrait. W. S. Kals. 2,424,176; July 15.
Cap: *See*—
Shampoo cap.
Card for sequence sorting. A. A. Rembold. 2,424,053; July 15.
Card index cabinet. C. F. Wolters. 2,423,919; July 15.
Carrier attachment. F. W. Schwinn. 2,424,195; July 15.
Casing centering device. F. M. Gist. 2,424,027; July 15.
Castings on disposable cores, Forming. L. H. Morin. 2,424,047; July 15.
Catalyst and its preparation, Supported silver. I. Bergsteinsson and H. de V. Finch. 2,424,085; July 15.
Catalyst masses, Increasing the usefulness of solid isomerization. N. F. Myers. 2,423,845; July 15.
Catalyst-oil ratio by use of a venturi, Controlling. D. L. Campbell. 2,424,147; July 15.
Catalyst, Supported silver. H. de V. Finch and I. Bergsteinsson. 2,424,083; July 15.
Catalytic conversions with finely divided catalysts, Effecting. N. E. Peery. 2,423,850; July 15.
Catalytic photochemical oxidation of organic compounds, Controlled. F. F. Rust and W. E. Vaughan. 2,423,949; July 15.
Catalytic process for the production of butadiene and catalyst therefor. L. U. Spence and D. J. Butterbaugh. 2,423,951; July 15.
Catalytic reforming process. E. C. Pitzer. 2,423,947; July 15.
Cathode-ray screen having contrasting colors and unlike rates of decay of luminescence. G. R. Fonda. 2,423,830; July 15.
Cathode-ray tube. K. C. Augenstein and A. Rieth. 2,423,924; July 15.
Cellulose derivatives, Production of. J. W. Fisher. 2,423,883; July 15.
Cellulose ester-polyester compositions and preparing them. W. O. Baker. 2,423,823; July 15.
Centrifuge device for thermometers. L. J. Hillenbrand. 2,424,166; July 15.
Ceramic body. C. R. Austin and E. J. Rogers. 2,423,958; July 15.
Ceramic products. L. Navias and R. L. Green. 2,424,111; July 15.
Chain. A. H. Focke and G. G. Mize. 2,424,087; July 15.
Circuit breaker, Electric. S. R. Smith, Jr. 2,424,126; July 15.
Circuits, Electric. H. W. Lord. 2,424,104; July 15.
Clamp and sealing device, Cable. R. E. Thoren. 2,424,067; July 15.
Clamping mechanism for printing machines, Plate. W. F. Huck. 2,424,170; July 15.
Clock. F. Q. Rast. 2,424,119; July 15.
Cloth, Tennis ball cover. Z. J. Chagnon. 2,423,827; July 15.
Coaster, Floor. C. M. Henderson. 2,424,032; July 15.
Coating for cartridge casings, Corrosion resistant. O. P. Clipper. 2,423,872; July 15.

Coating metal with inorganic insulating composition. E. Roach. 2,424,054; July 15.
Collapsible fiberboard container. J. C. Lang. 2,423,942; July 15.
Collar can collar mounting. J. Coyle. 2,423,966; July 15.
Composite sheet metal structure. G. W. Blessing. 2,423,870; July 15.
Composite structure and making the same. G. W. Blessing. 2,423,869; July 15.
Compressor, Field. F. S. Young. 2,424,010; July 15.
Concrete member, Precast reinforced. A. Henderson. 2,423,936; July 15.
Connecting and positioning device. M. S. Curtis and H. Schoepe. 2,424,153; July 15.
Connector block. H. A. Strickland, Jr. 2,424,197; July 15.
Connector for wrist-watch bracelets and other linkages. L. E. Valcourt. 2,424,127–8; July 15.
Constituents of gaseous mixtures, Separation of the. C. C. Van Nuys. 2,424,201; July 15.
Container: *See*—
Collapsible fiberboard container.
Container provided with yieldable retaining means, Expansible impact. C. P. Krupp. 2,423,940; July 15.
Containers, Cleaning. M. E. Parker and P. W. Bonewitz. 2,424,049; July 15.
Control apparatus. T. M. Ball. 2,424,137; July 15.
Control linkage, Variable leverage. W. W. Beman. 2,423,959; July 15.
Control mechanism. G. T. Hart, Jr. 2,423,935; July 15.
Conveyer, Hook. C. Rousseau. 2,424,055; July 15.
Conveyor for packaging machines. F. A. Lobley, W. T. Williams, and W. E. Lowell. 2,424,103; July 15.
Cotton picker. R. S. Curley. 2,423,928; July 15.
Coupling: *See*—
Releasable coupling.
Coupling apparatus for floating dry docks. F. R. Harris. 2,424,164; July 15.
Cover for containers, Slidable and pivoted. C. Nehrke. 2,424,112; July 15.
Cover operating mechanism. C. Smith. 2,423,909; July 15.
Covering for bonded wire electric strain gages, Protective. D. McHenry. 2,423,842; July 15.
Crankshaft grinding machine. J. Miesse. 2,424,109; July 15.
Cut-down device. L. B. Duff. 2,423,930; July 15.
Cutter: *See*—
Pie cutter.
Cyclopropyl alkyl ethers as insecticides. H. L. J. Haller. 2,424,020; July 15.
Cylinder heads, Forging. C. A. Brauchler. 2,424,075; July 15.
Decorating machine. L. G. Freeman, Jr. 2,424,023; July 15.
Designs in knitted or woven fabric or synthetic polyamide fibers such as nylon, Forming. E. F. Seemuller. 2,424,124; July 15.
Detachable handle. V. A. Herr. 2,424,094; July 15.
Device for measuring the level of a molten metal bath. F. A. Hueser. 2,423,888; July 15.
Device for supporting articles on garments. C. W. Prince. 2,423,948; July 15.
Diazo dyes from dihydroxy benzidine. F. Straub, J. Brassel, and P. Pieth. 2,424,066; July 15.
Die, Pulp molding. W. H. Randall. 2,424,189; July 15.
Disinfector, Toilet. J. M. Jensen and B. Vale. 2,424,174; July 15.
Disk brake. W. H. Du Bois. 2,423,881; July 15.
Disk brake. F. C. Frank. 2,423,882; July 15.
Dispensing apparatus. H. H. Foltz. 2,423,969; July 15.
Dispensing device having a roller with discharge controller, Material. J. L. Hipple. 2,424,168; July 15.
Distilling apparatus, Solar salt water. H. S. Bimpson and E. J. Palmer. 2,424,142; July 15.
Dividing machine, Record controlled. F. E. Hamilton and B. M. Durfee. 2,424,091; July 15.
Dresser, Grinding wheel. A. A. La Pointe. 2,423,943; July 15.
Drill: *See*—
Woodpecker drill.
Drill steel rod. C. P. Hammond and A. McK. Cameron. 2,424,092; July 15.
Drive sweep, Easy. J. M. Bobeldyk. 2,424,014; July 15.
Driver for clinch nuts and the like. L. A. Amtsberg. 2,423,957; July 15.
Driver for sonic depth finder, Balanced. H. C. Hayes. 2,424,030; July 15.
Dry cell. E. D. Chaplin. 2,424,149; July 15.
Dry cell, Deferred action primary. J. B. Perkins. 2,423,901; July 15.
Earring. G. Schuler, Jr. 2,423,905; July 15.
Educational device for aerial gunners. F. J. Furman and E. J. Lamb. 2,424,088; July 15.
Egg separator. H. H. Allen and A. Taylor. 2,424,134; July 15.
Ejector for field hay choppers. Stone. E. F. Huddle. 2,424,171; July 15.
Electron discharge device. J. D. Schantz. 2,423,998; July 15.
Engineering curve, Adjustable. C. Lundberg. 2,424,042; July 15.
Esters of sulphobenzoid acids, Oleyl. E. W. Gluesenkamp and M. Kosmin. 2,423,972; July 15.
Fabric, Woven. H. Snow and E. A. Gulledge. 2,423,910; July 15.
Feeding device, Record. W. A. Ayres. 2,424,073; July 15.
Felt, Papermaker's. Z. J. Chagnon. 2,423,828; July 15.
Fence controller, Electric. K. W. McCrory. 2,423,990; July 15.
Filing equipment, Card. G. C. Bruen. 2,424,144; July 15.
Film guide for cameras. F. E. Biddle. 2,423,925; July 15.
Film processor. V. E. Pratt and G. F. Gray. 2,424,052; July 15.
Films, Hardening metallic. G. A. Meyer. 2,424,043; July 15.
Filter: *See*—
Gasoline filter.
Fish filleting machine. C. M. Savrda. 2,424,057; July 15.
Fishing rod holder. E. J. Gosh. 2,423,933; July 15.
Fluid compositions, Constant viscosity hydraulic. R. E. Burk and E. C. Hughes. 2,423,927; July 15.
Fluid controlling valve. F. Sutton. 2,424,210; July 15.
Foot massaging machine. W. Sandow. 2,424,120; July 15.
Frame and closure therefor. S. Levikow. 2,423,987; July 15.
Frequency modulation. R. M. Sprague. 2,423,952; July 15.
Friction drive control. W. H. Walker. 2,423,916; July 15.
Fruit marking machine. E. A. Verrinder. 2,424,006; July 15.
Fuel and preparation, Composite. R. S. Vose. 2,423,913; July 15.
Fuel gauge. R. R. Curtis and H. C. Morgan. 2,423,875; July 15.
Furnace: *See*—
Induction furnace.
Furnaces, Refractory bottom for metallurgical. W. R. McLain. 2,423,898; July 15.
Furs, Mothproofing. D. Traill and A. McLean. 2,424,068; July 15.
Gage: *See*—
Fuel gauge.
Game board. N. M. Schruben. 2,424,123; July 15.
Game piece projector. H. P. Botts. 2,424,016; July 15.
Garment, Protecting and restraining. M. W. Shanker. 2,424,000; July 15.
Garment support. R. S. Pankowski. 2,424,048; July 15.
Gasoline filter. E. F. Webb. 2,424,211; July 15.
Gassing and vacuumizing apparatus for dehydrated products, Bell type. H. R. Helm. 2,423,975; July 15.
Gauge: *See*—
Fuel gauge.
Gauge line cleaning device. J. L. and H. Moore. 2,424,046; July 15.
Gear rolling machine. H. Finzel. 2,423,932; July 15.
Generating plant for the propulsion of vehicles, Electric. O. Schlapfer. 2,424,121; July 15.
Generator: *See*—
Impulse generator. Oil smoke generator.
Geophone polarity indicator. L. W. Gardner. 2,423,970; July 15.
Glazes and enamels, Vitreous. L. D. Gittings. 2,423,971; July 15.
Governor for pumps, Pressure. R. J. Ifield. 2,424,035; July 15.
Grappling hook or anchor, Releasing. F. E. Long. 2,424,040; July 15.
Grenade adapter. C. Panter, J. H. Borden, P. L. Christensen, and W. W. Holler. 2,423,993; July 15.
Grinding apparatus. A. B. Cardone, W. J. Gorman, and F. A. Rarick. 2,423,826; July 15.
Guard for roofing gutters. H. Audino. 2,423,923; July 15.
Guide, Shuttle feeler. C. D. Brown. 2,424,019; July 15.
Gun control for tanks, Automatic. A. R. Stone. 2,423,856; July 15.
Handle: *See*—
Detachable handle.
Handle. E. H. Sieling. 2,424,125; July 15.
Handle and lock, Deck lid. F. Humer. 2,423,937; July 15.
Hanger: *See*—
Adjustable skirt hanger.
Harvester, Peanut. C. L. Carelock. 2,424,148; July 15.
Haversack. D. P. Ryan. 2,423,853; July 15.
Hay stacker. H. I. Ostlund. 2,423,946; July 15.
Head space adjusting and locking means for removable firearms barrels. C. E. Simpson. 2,423,854; July 15.
Heat material in contact mass catalysis, Inert. E. J. Houdry. 2,423,835; July 15.
Heat sealing with partially hydrolyzed polyvinyl acetate. G. O. Morrison and T. P. G. Shaw. 2,424,110; July 15.

Heater: *See*—
Ramified tubular gas heater.
Heating apparatus, Convection. C. M. Hamblin. 2,423,974; July 15.
Heating apparatus, High-frequency electric field. T. F. Peterson. 2,423,902; July 15.
High-frequency apparatus. A. E. Falk. 2,423,968; July 15.
High-frequency electronic tube. D. H. Sloan. 2,424,002; July 15.
Hoist. E. B. Thompson. 2,423,954; July 15.
Holder: *See*—
Brush holder. Paint brush holder.
Fishing rod holder. Toothbrush holder.
Hose, Toeless. M. I. Ruth. 2,424,056; July 15.
Hydrocarbon oils, Fluid catalytic conversion of. J. H. Hirsch. 2,423,833; July 15.
Hydrocarbons, Catalytic conversion of. W. A. Schulze. 2,423,907; July 15.
Hydroplane boat hull form. C. D. Van Patten. 2,423,860; July 15.
Illuminating device. R. F. E. Stegeman. 2,424,064; July 15.
Impulse generator. J. D. Schantz. 2,423,999; July 15.
Indicating system. E. B. Ferrell. 2,423,829; July 15.
Indicator: *See*—
Geophone polarity indicator. Reactive current indicator.
Induction furnace. M. and M. Tama. 2,423,912; July 15.
Industrial table. S. G. Shapiro. 2,424,060; July 15.
Inflating device, Collapsible. V. H. Hurt. 2,423,890; July 15.
Iron: *See*—
Soldering iron.
Knee and brake, Artificial. D. M. Connor. 2,424,078; July 15.
Knee protector. L. M. Patterson. 2,423,849; July 15.
Knitting machine and method. H. F. Hilker and H. Welker 2,424,033; July 15.
Knitting machine, Circular. C. F. Manger, G. A. Buswell, and R. Peberdy. 2,423,989; July 15.
Knitting machine, Straight bar. W. G. Macdonald. 2,424,105; July 15.
Lamp socket mounting. W. H. Woodward. 2,424,009; July 15.
Latch: *See*—
Locking latch.
Latching device. J. W. K. Jurrat. 2,423,980; July 15.
Level and temperature controller, Liquid. W. Allcock, Jr. 2,424,133; July 15.
Lever for bending and shearing metal rods, Manually operated. J. Garton. 2,424,024; July 15.
Lint remover. H. T. Clark and C. J. Paterson. 2,423,962; July 15.
Load moving and positioning system, Remotely controlled. L. A. Trofimov. 2,424,200; July 15.
Lock: *See*—
Nut or bolt lock.
Lock. J. Kaufman. 2,423,982; July 15.
Lock for Venetian blinds, Cord. J. L. Hunter. 2,423,977; July 15.
Locking device. O. J. Poupitch. 2,424,208; July 15.
Locking latch. A. F. Lickteig. 2,423,988; July 15.
Locking means for abrading and polishing machines, Strip. K. J. Hillquist. 2,424,167; July 15.
Locomotive cooling system. T. B. Dilworth and M. M. Schalla. 2,423,929; July 15.
Loom control arm. K. E. Sanderson and L. M. Rogers. 2,424,058; July 15.
Lubricant, Timepiece. J. D. Morgan and R. E. Lowe. 2,423,844; July 15.
Lubricants, Extreme pressure. J. C. Zimmer and J. G. McNab. 2,424,204; July 15.
Machine for cleaning and polishing studs and the like. E. G. Greene. 2,424,160; July 15.
Machine for grinding toothed gears. A. Rickenmann. 2,424,191; July 15.
Machine for machining any kind of curved surfaces. W. Heer. 2,424,031; July 15.
Machine for molding plastic materials. G. W. Wacker. 2,423,914; July 15.
Machine for use in the manufacture of shoes. C. A. Robinson and H. A. Imhof. 2,423,852; July 15.
Machine tool. A. Ruetschi. 2,423,904; July 15.
Magnesia insulation, Making. A. R. McGarvey and C. C. Callis. 2,423,839–41; July 15.
Magnetic device. T. L. Wakley. 2,424,130; July 15.
Marking tool. E. G. R. Gustafsson. 2,424,162; July 15.
Meat, Cooking. R. A. Coffman. 2,423,964; July 15.
Meat package and preparing the same. E. Vogt. 2,423,861; July 15.
Menthenetriol, Producing. J. E. Reese. 2,423,851; July 15.
Metal, Treating composite. C. R. Talmage. 2,423,857; July 15.
Metal working machine. E. W. Laisne. 2,423,941; July 15.
Metallic gratings, Making. R. E. Lave. 2,423,896; July 15.
Milk fat concentrate process. H. C. Horneman, R. V. Hussong, S. N. Quam, and B. W. Hammer. 2,423,834; July 15.
Mixing apparatus, Fluid. E. M. Hammer. 2,424,163; July 15.
Molten light metal by precipitation of impurities, Method and apparatus for purifying. R. J. McNitt. 2,424,179; July 15.
Motion controlling device. W. Kohlhagen. 2,423,985; July 15.
Motor of small size, Single-phase synchronous. O. Chatelain. 2,424,020; July 15.
Motor pump unit. C. J. Blom. 2,423,825; July 15.
Mounting: *See*—
Collar can collar mount. Lamp socket mounting.
N¹-Benzoyl sulfonamide. M. E. Hultquist and E. H. Northey. 2,423,976; July 15.
Nailing machine. E. P. Anstett. 2,423,821; July 15.
Needle, Bait-mounting. A. J. Odgard. 2,423,899; July 15.
Neoprene latex articles, Deposited. P. D. Brass. 2,423,871; July 15.
Nesting pipe. F. C. Lathrope. 2,423,986; July 15.
9-amino-alkyl-amino-substituted acridine derivatives. H. A. Shonle and J. W. Corse. 2,424,061; July 15.
Nut or bolt lock. J. W. Wohlhieter. 2,423,918; July 15.
Oil smoke generator. H. E. Norton and J. R. Bond. 2,423,847; July 15.
Olefin oxides, Manufacture of. H. D. Finch and I. Bergsteinsson. 2,424,084; July 15.
Olefin oxides, Production of. I. Bergsteinsson and H. D. Finch. 2,424,086; July 15.
Olefins, Polymerization of. O. A. Brown. 2,424,143; July 15.
1,3-epoxyarylofurazanes as parasiticidal preparations. W. P. ter Horst. 2,424,199; July 15.
Oximeter, Multiunit, single scale. B. Smaller. 2,423,855; Pad for ironing boards, Electrolytic steam. L. I. Osipow and E. Blumenthal. 2,423,945; July 15.
Paint brush holder. A. O. Kell. 2,424,099; July 15.
Penicillin, Production of increased yields of. R. D. Coghill and A. J. Moyer. 2,423,873; July 15.
Petroleum oil containing naphthenic acids, Refining. M. C. Fuqua and J. B. Lovell. 2,424,158; July 15.
Piano-action. A. P. Brown. 2,424,017–18; July 15.
Picker stick check for looms. H. Hoeber. 2,423,887; July 15.
Pie cutter. C. L. Booker. 2,424,015; July 15.
Pipe: *See*—
Nesting pipe.
Plastic masses and making the same. H. I. Gilbert. 2,424,026; July 15.
Plotting instrument. G. C. Stewart. 2,424,065; July 15.
Plow. W. E. Emerick. 2,424,155; July 15.
Plow bottom with detachable plow point. H. N. Baker. 2,424,136; July 15.
Plow, Two-way. H. Rogers and W. F. Mellen. 2,424,192; July 15.
Polyvinyl acetal resin composition. D. S. Kaltreider. 2,423,981; July 15.
Pontoon bridge, Inflatable, collapsible, military. J. J. Gearon. 2,423,832; July 15.
Pottery, Decorating. A. E. Radford. 2,424,117; July 15.
Power scoop, Hydraulic. C. Lambert. 2,423,894; July 15.
Power transmission mechanism. T. Hindmarch. 2,423,886; July 15.
Pressure applying device for clamps and the like. C. R. Jenkins. 2,424,037; July 15.
Pressure recovery and gas cleaning device. F. B. Schneider. 2,424,122; July 15.
Primer. C. A. Martin. 2,423,837; July 15.
Propeller, Contrarotation. H. C. Anderson. 2,424,135; July 15.
Protector: *See*—
Knee protector.
Punching machine. R. B. Johnson. 2,424,097; July 15.
Punching machine. L. C. Pearce. 2,424,187; July 15.
Rack: *See*—
Cable rack.
Radiant energy detecting apparatus. L. Hammond. 2,423,885; July 15.
Railway centralized traffic controlling apparatus. A. L. Jerome. 2,424,038; July 15.
Rake and stacker, Tractor-mounted hay. R. K. Hartley. 2,424,165; July 15.
Ram system, Hydraulic. E. Merten. 2,424,108; July 15.
Ramified tubular gas heater. R. Ruegg. 2,423,997; July 15.
Reactive current indicator. A. Warnick. 2,424,131; July 15.
Record changer, Automatic phonograph. H. V. Alexandersson. 2,424,132; July 15.
Reflector shield unit for germicidal lamps. W. Glass. 2,423,884; July 15.
Regulation of the flow of water through hydraulic turbines. N. Landesberg. 2,424,039; July 15.
Regulator: *See*—
Cable tension regulator.
Relay, Keying. R. W. May. 2,423,838; July 15.
Releasable coupling. A. H. Jenson. 2,423,979; July 15.
Reservoir for atomizers. L. J. Clark and W. F. Goosmann. 2,424,151; July 15.

Resilient holding means for straw packaging machines. P. C. Moore, Jr. 2,424,183; July 15.
Resins and their production, Tall oil ester. F. A. Bent and E. A. Peterson. 2,424,074; July 15.
Reversible wheel. M. J. Murtens. 2,424,106; July 15.
Riboflavin by candida flareri, Production of. F. W. Tanner, Jr., and J. M. Van Lanen. 2,424,003; July 15.
Ring: *See*—
Spacer ring.
Rivet setting tool. L. A. Amtsberg. 2,423,956; July 15.
Rod: *See*—
Drill steel rod.
Roller skate. S. M. Allred. 2,424,072; July 15.
Rotary buffing tool. E. E. Nordgren and R. W. Hagenstad. 2,423,992; July 15.
Rubber and rubbery co-polymer of butadiene and styrene, Vulcanization of. P. C. Jones and R. A. Mathes. 2,424,175; July 15.
Safety device, Journal. H. H. Wrightman and H. W. Opdyke. 2,424,203; July 15.
Sand box. E. Widener. 2,423,955; July 15.
Sanding machine, Endless abrasive belt. H. L. Miller. 2,424,044; July 15.
Saw, Constant tension jig. H. S. Carey. 2,424,077; July 15.
Seat bed, Convertible pullman. P. P. Bebry. 2,424,139; July 15.
Securing heels to shoes. E. F. Small. 2,423,908; July 15.
Self-steering device. H. F. Rost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,424,193; July 15.
Separator: *See*—
Egg separator. Wave separator.
Service cabinet. E. G. Johansson. 2,423,938; July 15.
Servomotor with follow-up device, Suction. A. D. Metsger. 2,423,843; July 15.
Sewing machine. H. J. Le Vesconte and A. M. Schweda. 2,424,102; July 15.
Sewing machine. C. E. Rubel. 2,423,996; July 15.
Sewing machine attachment. F. Gegauf. 2,424,025; July 15.
Shaft bearing. F. B. Halford. 2,423,973; July 15.
Shampoo cap. D. Vincelle. 2,424,129; July 15.
Sheet metal compartment with shelf supports and manufacture. G. F. Wales. 2,423,863; July 15.
Shirring attachment, Spot. G. Fowler. 2,424,157; July 15.
Shoe insole construction. J. H. McCahan. 2,424,107; July 15.
Shoe pressing apparatus. F. Dawson. 2,423,878; July 15.
Shoe rearching and straightening appliance. R. M. Anderson. 2,423,921; July 15.
Shoe, Weighted. A. E. Goetz. 2,424,159; July 15.
Shower head. E. H. Bucknell and R. E. Bletcher. 2,423,960; July 15.
Shuttle, Plastic. P. B. Wilson. 2,423,917; July 15.
Side seam for sheet metal can bodies. P. E. Pearson. 2,424,188; July 15.
Sighting device for moving picture cameras. M. A. Dalotel. 2,423,967; July 15.
Signaling system for fastening-inserting machines. F. E. Stratton. 2,423,953; July 15.
Skirt. L. Polakoff. 2,424,114; July 15.
Smoke producing device. J. W. van Karner. 2,423,859; July 15.
Snapping and husking device, Corn. R. P. Messenger and A. E. W. Johnson. 2,424,181; July 15.
Soldering iron. R. W. Parker. 2,423,900; July 15.
Sound deadener. O. C. Terrell. 2,424,004; July 15.
Spacer ring. H. W. O'Connor. 2,423,848; July 15.
Spooling. J. Cook. 2,424,021; July 15.
Spring suspension for tandem axle vehicles. J. J. Black. 2,424,141; July 15.
Starch compositions and preparing the same, Liquid. J. S. and E. A. Pecker. 2,424,050; July 15.
Starch pan attachment for clothes wringers. C. E. Pickens. 2,424,051; July 15.
Sterilizer, Brush and comb V. Jackel. 2,424,036; July 15.
Stock for firearms, Extensible shoulder. F. W. Sampson and G. J. Hyde. 2,424,194; July 15.
Stretcher, Wire. R. F. Roach. 2,423,903; July 15.
Structural unit and cellular construction made therewith. E. F. Engstrom. 2,424,080; July 15.
Stuffing box. E. C. Read. 2,424,190; July 15.
Subatmospheric gas burner. A. R. Dunham and H. V. Williamson. 2,424,154; July 15.
Support: *See*—
Garment support. Work support.
Support for scaffold platform, Elevating. A. D. Powell. 2,424,115; July 15.
Swing. W. I. Smith. 2,423,950; July 15.
Switch: *See*—
Time switch.
Switch for a duplex system, Voice operated. O. Tschumi. 2,424,069; July 15.
Switchgear, Interchangeable electric. F. E. Fairman, Jr. 2,424,081; July 15.
System of communication. R. B. Dome. 2,424,079; July 15.
Table: *See*—
Industrial table.
Tank: *See*—
Bottom-fill truck tank.
Tap and holder therefor. H. Norberg and H. Smith. 2,424,113; July 15.
Telescope adjusting device. A. A. A. A. de Gramont. 2,424,011; July 15.
Testing apparatus, Bifrequency magnetic. F. Kellerman. 2,423,891; July 15.
Testing machine, Tensile. W. D. Lawshe and W. A. Gardiner. 2,424,177; July 15.
Testing, Method and apparatus for stress-strain. C. M. Zener and D. M. Van Winkle. 2,423,867; July 15.
Thermoplastic molding material, Heating and packaging. G. W. Wacker. 2,423,915; July 15.
Thermostat. E. K. Clark and J. S. Wojcik. 2,424,150; July 15.
Tie treating apparatus, Railway. H. E. Woolery. 2,424,202; July 15.
Time switch. G. O. Puerner. 2,424,116; July 15.
Timer for riveters. B. J. Yanchenko. 2,423,920; July 15.
Tin-plate brightening apparatus. E. W. Hopper. 2,424,034; July 15.
Tire, Pneumatic. J. L. Reynolds. 2,423,995; July 15.
Titania gel-boria catalyst and its preparation. G. C. Connolly. 2,424,152; July 15.
Tool: *See*—
Machine tool. Rivet setting tool.
Marking tool. Rotary buffing tool.
Toolholder. C. B. King. 2,423,892; July 15.
Toolholder, Adjustable. J. Kis. 2,423,983; July 15.
Toothbrush holder. T. Kaskouras. 2,424,098; July 15.
Towing bar. A. Horton. 2,424,095; July 15.
Toy gun and container. J. H. Millstein. 2,424,045; July 15.
Tractor accessory. R. F. Varner. 2,424,005; July 15.
Transducer, Piezoelectric. J. P. Arndt, Jr. 2,423,922; July 15.
Transfer mechanism for a counter. H. J. Mumma. 2,423,991; July 15.
Transmission gearing for power plants. K. Baumann. 2,423,820; July 15.
Truck, Railway car. J. R. Sheesley. 2,424,001; July 15.
Tube: *See*—
Cathode-ray tube. Valved, slidable discharge tube.
High-frequency electronic tube.
Tubes, Electric discharge ultra high frequency generating, and switching. A. Vang. 2,423,858; July 15.
Tuning, Inductive. R. B. Beetham. 2,423,824; July 15.
2-methoxy-6-chloro-9-[4′-(diisopropylamino)-butylamino]-acridine. H. A. Shonle and J. W. Corse. 2,424,062; July 15.
2-methoxy-6-chloro-9-[2′-hydroxy-3′-(ethyl-n-butylamino)-propylamino]-acridine. H. A. Shonle and J. W. Corse. 2,424,063; July 15.
2-ω-carbalkoxy alkyl-3-oxo-4-carbalkoxy tetrahydrothiophene. M. B. and E. E. Moore. 2,424,007; July 15.
Ultra high frequency communication system. B. G. Lake and W. C. Eddy. 2,423,836; July 15.
Valve: *See*—
Fluid controlling valve.
Valved, slidable discharge tube. R. V. Larl. 2,424,101; July 15.
Vapor phase isomerization of normal paraffins. H. G. Cornell. 2,423,846; July 15.
Vaporizer. J. J. Richards. 2,424,209; July 15.
Variable reactance. H. W. Washburn and E. E. Hoskins. 2,423,864; July 15.
Vinegar, Producing. J. J. Mackin. 2,423,897; July 15.
Wallet with secret compartment. S. Knee. 2,423,939; July 15.
Water correction device, Electrolytic. E. M. Butler. 2,424,145; July 15.
Watertight bag. V. H. Hurt. 2,423,889; July 15.
Wave separator. J. R. Woodyard. 2,423,866; July 15.
Wedge for tool handles. H. La France. 2,423,893; July 15.
Well flow control. J. H. Moore. 2,423,944; July 15.
Wheel: *See*—
Reversible wheel.
Winch construction. A. B. Schultz. 2,423,906; July 15.
Wing flap extending mechanism. F. W. A. Knoll. 2,423,984; July 15.
Woodpecker drill. R. E. Barr. 2,424,138; July 15.
Work support. R. E. Gordinier. 2,424,090; July 15.

CLASSIFICATION OF PATENTS

ISSUED JULY 15, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1—	46: 2,423,821	51—	190: 2,423,992	102—	86.5: 2,423,837	155—	61: 2,423,950	210—	51: 2,424,179	252—	204: 2,424,083
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10—	141: 2,424,113		125: 2,424,033		2,423,841		33: 2,424,199	218—	19: 2,423,956		24: 2,423,872
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business July 3, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 148,003; Trade-Mark Division, 13,179. Oldest new case, Sept. 4, 1945; oldest amended, Aug. 22, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 18	Jan. 11	2,993
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 8	3,562
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Feb. 23	Feb. 5	1,664
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Jan. 8	Jan. 18	3,155
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sept. 4	*Aug. 22	3,796
6. SURLE, H., Carbon Chemistry (part)	July 12	July 2	2,019
7. HANLIN, GEORGE, Optics, Photography	July 9	July 12	1,999
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 8	Feb. 21	2,012
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 3	Dec. 5	2,142
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Mar. 8	Feb. 28	1,335
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sept. 23	Sept. 26	842
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Feb. 20	Feb. 19	2,711
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 1	*Oct. 18	2,306
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 11	May 15	1,329
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 15	*Oct. 2	2,029
16. LOVEWELL, N. N., Telegraphy; Telephony	May 20	May 17	1,354
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 29	Feb. 2	1,424
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Oct. 31	*Nov. 1	1,636
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 13	1,737
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	*Oct. 31	*Dec. 7	2,296
21. THOMPSON, T. J., Textiles	July 23	Sept. 26	909
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Jan. 10	*Dec. 29	1,826
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Sept. 14	1,122
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 8	Nov. 4	1,704
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 16	Jan. 12	1,796
26. YOUNG, R. R., Electricity—Generation and Motive Power	*Dec. 27	*Dec. 19	2,214
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 8	Feb. 6	2,589
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Jan. 15	Jan. 9	1,231
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Feb. 6	Mar. 1	2,718
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 12	Feb. 28	2,566
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Aug. 7	Aug. 24	1,053
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Jan. 25	Jan. 29	2,550
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 16	*Nov. 19	3,324
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 7	Jan. 25	1,413
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Mar. 7	2,464
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 30	*Nov. 26	1,910
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 18	Mar. 29	1,607
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions; Rubber; Ornamentation	May 17	June 25	1,359
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 11	*Oct. 10	2,717
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Mar. 6	2,855
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	735
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	July 26	Aug. 26	1,079
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 10	Aug. 6	1,031
44. HARVEY, L. P., Refrigeration; Preserving	*Nov. 26	*Oct. 8	1,390
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 29	*Dec. 28	2,442
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Mar. 7	Mar. 18	1,890
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 9	Apr. 6	3,065
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Nov. 26	*Nov. 27	1,855
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Feb. 23	Mar. 6	1,539
50. LEVIN, SAMUEL, Synthetic Resins	May 10	May 10	2,617
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 20	Feb. 20	2,050
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Mar. 11	Apr. 3	3,508
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery, Closures, Partitions and Panels, Flexible and Portable.	*Dec. 17	Jan. 3	4,027
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Mar. 29	Mar. 18	2,143
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	*Dec. 1	*Dec. 12	2,034
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	June 6	June 19	1,352
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Nov. 27	Jan. 5	3,285
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Mar. 30	May 17	1,299
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Nov. 16	*Nov. 2	2,162
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	May 11	2,055
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 19	2,885
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Nov. 9	*Dec. 29	1,965
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Mar. 16	Jan. 11	2,182
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Sept. 21	Sept. 21	1,684
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy. Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Nov. 14	*Nov. 13	2,237
66. LISANN, I., Geometrical Instruments	*Oct. 1	*Oct. 2	2,257
Trade-Marks: MERCHANT, J. H.	Oct. 1	Nov. 22	13,179
Designs: BREHM, G. L. (Acting)	Mar. 27	†Jan. 4	9,154

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Kyrides

No. 5,267. Decided February 11, 1947. Petition for rehearing denied March 11, 1947

[159 F.(2d) 1019; 73 USPQ 61]

Practice—Action Subsequent to Interference—Count Generic—Winner not Conclusively Entitled to Claim.

Where appellant's disclosure of a single species in a prior copending application was enough to entitle him to an award of priority on a count which was generic in character (*Kyrides* v. *Andersen et al.*, 28 C. C. P. A. 1336; 121 Fed.(2d) 514; 50 USPQ 131), *Held* that the mere fact that a party litigant obtains an award of priority does not means that he is necessarily entitled to have that count as a claim in his patent when issued.

Same—Same—Same—Winner Rejected on Senior Party's Application.

Since A, senior party in the interference was the first to disclose and claim the generic subject matter, and since the Examiner held that the generic claim was a separate invention and inventive over the specific claim, and since the senior party's application is conclusive evidence of completion of the invention at least as early as its filing date, *Held* that the A application might properly be referred to as prior art in the consideration of the generic claim in the application of the winning party.

Same—Same—Same—Same—Rule 75 Affidavits.

Where appellant (junior) received an award of priority of a generic count based upon the disclosure of a single species in a prior copending application, and the Examiner rejected the generic claim as unpatentable over the disclosure of the senior party's application, and appellant filed affidavits under rule 75 to establish his right to the generic invention by showing an actual reduction to practice prior to the filing date of the senior party, *Held* that appellant cannot accomplish by affidavits under rule 75 that which he was privileged to attempt to accomplish in the interference where the subject matter involved was being considered.

Same—Same—Same—Same.

Certain generic claims for a plastic composition *Held* properly rejected on the application of the senior, though losing, party in the interference, citing *In re Steenbock*, 25 C. C. P. A. 1244; 83 Fed.(2d) 912; 30 USPQ 45.

Appeal from the Patent Office. Affirmed.

J. Russell Wilson for Kyrides.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

Bland, *J.*:

After allowing claims numbered 6 and 20 in appellant's application for a patent for "improvements in Plastic Compositions of Matter," the Primary Examiner of the United States Patent Office finally rejected claims 1, 2, 3, 5, 11, 12, 13, 15 and 18, the only remaining claims in the application except for certain claims which were drawn to a non-elected species and depend upon the allowance of a generic claim. The Board of Appeals affirmed the Examiner's rejection and appellant has here appealed from the Board's decision.

The application at bar is concerned with plastic compositions used in the manufacture of films, lacquers, molding compositions, etc., and specifically deals with such compositions plasticized with esters of dicarboxylic acids containing a hydrocarbon group and an aliphatic ketone group. In manufacturing plastic compositions for the above purposes, materials such as cellulose esters and ethers, etc., are dissolved in a volatile solvent and in doing so there is added, as a modifying agent, the plasticizer. The Examiner states that "a large number of plasticizers as well as solvents is available for this purpose," and that the selection is "determined by economic as well as technological factors." In the present instance the plasticizing agents employed are esters of dicarboxylic acids, wherein, according to the Examiner, "one carboxyl group of the acid has been esterified by an aliphatic alcohol and the other carboxyl group has been esterified by an aliphatic ketone alcohol."

Claim 11 is regarded as illustrative of the appealed subject matter and follows:

11. A composition embodying a cellulose derivative and containing, as a plasticizer, an alkyl acetonyl phthalate.

The facts in this appeal are somewhat involved and there is much matter stated in the opinions below and in the briefs of the parties which we need not discuss here since such discussion would tend to confuse rather than clarify the main issue. This issue, when finally clearly understood, is not as formidable as it at first would appear.

The present application of appellant Kyrides was involved in an interference with an application of Andersen et al., hereinafter referred to as "Andersen." The decision of the Board of Appeals in that interference proceeding was reviewed by this court in *Kyrides* v. *Andersen et al.*, 28 C. C. P. A. (Patents) 1336, 121 F.(2d) 514, 50 USPQ 131. The single count there in issue corresponded to claim 11 of the present appeal. This claim calls for a plasticizer in the composition referred to as "an alkyl acetonyl phthalate."

In that interference Andersen was the senior party. Neither party submitted evidence. Kyrides, however, relied upon an earlier copending applica-

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tion which antedated the Andersen application. In this earlier application was disclosed only one plasticizer, namely, acetonyl ethyl phthalate, a member of the subgeneric class of alkyl acetonyl phthalates. The tribunals of the Patent Office held that this disclosure was not sufficient to warrant a holding that Kyrides was entitled to a constructive reduction to practice of the subgeneric class and awarded priority of invention to Andersen. This court, however, reversed the decision of the Board of Appeals and held that Kyrides' disclosure of the single species in the prior application was enough to entitle him to an award of priority on the count which was generic in character and which included the whole group of alkyl acetonyl phthalates.

The Examiner, in his statement to the Board upon appeal, rejected the instant appealed claims on the ground that while this court, in *Kyrides* v. *Andersen et al.*, supra, had awarded the applicant priority in the generic invention covered by the count there in issue, it did not necessarily follow that the applicant was entitled to the allowance of a claim for such generic invention in a patent and that he was not bound by that decision to allow a generic claim to Kyrides. The claims were rejected as being unpatentable over the Andersen application involved in the interference.

Subsequently the Examiner made a supplemental statement in which he rejected the claims also upon the patent to Andersen et al., No. 2,349,331, May 23, 1944, which had been issued after the Examiner's first statement.

The Board of Appeals, upon appeal to it, affirmed the Examiner's rejection upon Andersen's application involved in the interference in *Kyrides* v. *Andersen et al.*, supra, but affirmatively overruled his supplemental rejection upon the said Andersen et al. patent. As to this latter ground of rejection, the Board said:

> The Examiner in a supplemental statement has rejected the claims on the Andersen et al. Patent No. 2,349,331. Since the court specifically awarded priority to Kyrides over the Andersen et al. disclosure as to the count corresponding to claim 11, it appears improper to now reject claims of this nature on the disclosure of Andersen et al. and this ground of rejection will not be affirmed.

Kyrides filed affidavits in the Patent Office under rule 75 which he relied upon to establish his right to claim the generic invention by showing an actual reduction to practice prior to the filing date of the Andersen application. The Examiner took the position that this availed appellant nothing since he could not, at that late date, without having an interference where testimony might be introduced, prove by affidavits a reduction to practice of the invention at bar earlier than is disclosed in his application.

We may dispose of the question raised with reference to rule 75 summarily by saying that it is too obvious to require extended discussion here or to call for the citation of authority that appellant cannot accomplish by affidavits under this rule that which he was privileged to attempt to accomplish in the interference where the subject matter involved was being considered. Moreover, the Board correctly pointed out in its decision that:

> Appellant refers to his affidavit under rule 75 and states that it establishes a reduction to practice as early as March 11, 1932, to the use of ethyl acetonyl phthalate. This affidavit establishes no more than applicant's prior application, that is, that one species of the class of alkyl phthalates had been reduced to practice as of that date.

In the *Kyrides* v. *Andersen et al.* interference appellant attempted to show that his earlier application taught more than the use of a single species and he argues here to the effect that his parent application disclosure was more than a single species and was somewhat generic in character. We decided that issue squarely against Kyrides in the interference proceeding and this court is certainly not now required to devote any time or space to this subject matter.

The question for decision here is whether or not Kyrides, having been awarded priority of invention defined by a generic count on the basis of his disclosure of a single species, is entitled to have in his patent a generic claim notwithstanding the fact that Andersen, the senior party, was the first to disclose and claim the generic subject matter.

Kyrides seems to argue that because he was awarded priority of the generic invention that fact is conclusive on the question as to his right to have the generic claim in a patent, and he contends that before the interference was declared it must be presumed that the Examiner found that the generic claim was allowable to both parties. It was allowable to both parties, depending upon priority as disclosed in the applications involved in the interference, but Kyrides sought to reach back of his application then in interference by relying upon his earlier filed application which disclosed a single species. It is too well-settled to require extended citation and discussion here that the mere fact that a party litigant in a Patent Office interference proceeding obtains an award of priority of invention in this court does not mean he is necessarily entitled to have that count as a claim in his patent when issued. There are a number of instances where this condition might exist and we will not undertake to enumerate them here although the Solicitor for the Patent Office has done so in his brief.

In fact, in the *Kyrides* v. *Andersen et al.* opinion, this court, before holding that the disclosure of a single species in the earlier Kyrides application was sufficient to warrant a grant to him of priority of invention in a count generic in character, stated:

> The issue presented in this appeal is not whether appellant is entitled to a patent for a composition embodying a cellulose derivative and containing as plasticisers the subgeneric class of alkyl acetonyl phthalates, but rather whether having constructively reduced to practice a composition embodying a cellulose derivative and containing as a plasticiser an alkyl acetonyl phthalate (acetonyl ethyl phthalate, one of the members of the subgeneric class) long prior to appellees' constructive reduction to practice, appellant is entitled to an award of priority of invention.

In other words, it was the view of this court that Kyrides, upon the record then before us, having made the first disclosure of a plasticizer belonging to the class, no one else should be awarded priority of a generic claim which would include that plasticizer.

Since Andersen was the first to disclose the generic claim and since the Examiner held that the generic claim was a separate invention and inventive over the specific claims, we are not impressed with Kyrides' extended contention that he is entitled to have a patent containing the generic subject matter. We are not concerned here with what Andersen gets in his patent, but we are of the opinion that the Andersen application (which, as we have said before, was prior to Kyrides' instant application disclosing the generic claim) might properly be referred to as prior art in the consideration of the said generic claims of Kyrides.

The Solicitor for the Patent Office has frankly admitted that the action of the Board in reversing the Examiner's supplemental rejection on the Andersen et al. patent was inconsistent with the holding that the Examiner was right in rejecting the claims on the Andersen application but he points out that the Board sought unsuccessfully to have the instant appeal remanded back to the Patent Office to correct this inconsistency. The Patent Office did not suggest in its request for remand that if the case was remanded a result different from that already arrived at would be brought about.

Following numerous holdings of this court and other courts, we are of the opinion that the application is conclusive evidence of completion of the invention at least as early as its filing date. This being true, the application is as good a reference as a patent itself would be, so we are not concerned here with the Board's reversal of the rejection on the patent.

We think the tribunals of the Patent Office arrived at the right conclusion in holding that the generic claims at bar were unpatentable to Kyrides under the circumstances stated. Many authorities on both sides of the question have been cited, some of which were thoroughly discussed in *Kyrides* v. *Andersen et al.*, supra, and many others which we need not refer to here, but we think, as was held by the tribunals below, that the case of *In re Steenbock*, 25 C. C. P. A. (Patents) 1244, 83 F.(2d) 912, 30 USPQ 45, is directly in point. There the applicant had an earlier application disclosing a single species (yeast) and a later application disclosing the genus (fungus). Steenbock was rejected on references which would not have been effective as to date against his earlier application and he sought to overcome the rejection by relying upon the earlier application. The Patent Office and this court concurred in holding that the prior disclosure of a single species was not enough to overcome a reference where the allowance of generic claims was sought. Steenbock obtained his claim for the single species of yeast but was denied the generic claim. This is exactly the situation here.

Appellant seeks to distinguish this case for several reasons, none of which we think is sound. First, it is stated that in the instant case there is no prior art cited as there was in the Steenbock case and that this is true because of the fact that the Board reversed the Examiner on citing the Andersen et al. patent. As we have indicated above, the application, for the purposes used, was as good a reference as the patent itself. This is true regardless of whether or not it is called "prior art."

His second reason is that Kyrides has been awarded priority of invention and that Steenbock had never had such an award. We have heretofore stated that the awarding of priority to an applicant in an interference proceeding does not insure, or even suggest, that he is necessarily entitled to his claim in a patent. The authorities on this subject are numerous. See *Conover* v. *Downs*, 17 C. C. P. A. (Patents) 587, 35 F.(2d) 59, 3 USPQ 58; *In re Kaase et al.*, 31 C. C. P. A. (Patents) 932, 104 F.(2d) 1016, 60 USPQ 565; *Kyrides* v. *Andersen et al.*, supra.

Sometimes it occurs, as in *Prichard* v. *Setzler*, 54 App. D. C. 266, 296 Fed. 1013, that neither party to an interference is entitled to the controverted subject matter, and, as we have indicated above, it is not our concern here as to whether or not Andersen was entitled to the subject matter he has already received in his patent.

As a third ground of distinction between this case and the Steenbock case, appellant states that the Primary Examiner held that the generic invention was patentably distinct from the narrow count of the interference. Just how this could enure to the benefit of appellant is not seen, nor are we here concerned with whether or not the conclusion of the Primary Examiner, in taking that action on a motion to substitute, was sound or unsound.

Kyrides' fourth contention is that the Steenbock case is further distinguishable in view of the fact that Kyrides' parent application teaches the use, as a plasticizer, of a broad class of acetonyl esters of carboxylic acids. Our holding in that regard in the interference case is res judicata and upon further reflection here is regarded as sound. In some instances the broad subject matter relating to an invention may pass into the public domain. *Ball & Roller Bearing Co.* v. *F. C. Sanford Mfg. Co.*, 297 Fed. 163.

The decision of the Board of Appeals affirming the Examiner's rejection of the appealed claims is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,558,980, 1,989,801, G. Halinka, Door latch; 1,754,889, same, Latch mechanism; 2,055,688, same, Automobile door latch, D. C., E. D. Mich., S. Div., Doc. 3789, *G. Halinka* v. *Ford Motor Co. et al.* Judgment for defendants dismissing complaint June 5, 1947.

1,754,889. (See 1,558,980.)

1,816,700, A. W. Rosen, Automobile mirror, filed June 13, 1947, D. C., E. D. Mich., S. Div., Doc. 6744, *A. W. Rosen & Co.* v. *Ajax Mfg. Corp.*

1,871,633, H. Ter Meer, Spring bolt latch, D. C., W. D. Mich. (Grand Rapids), Doc. 791, *National Brass Co.* v. *Michigan Hardware Co.* Order dismissing complaint June 9, 1947.

1,970,920, I. Roth, Brassiere, filed June 16, 1947, D. C., S. D. N. Y., Doc. 42/137, *Royal Worcester Corset Co.* v. *Mayfair Bra Co., Inc.*

1,989,801. (See 1,558,980.)

2,035,652. (See Re. 19,719.)

2,055,688. (See 1,558,980.)

2,142,169, A. Bisch, Amusement device, filed June 10, 1947, D. C., N. D. Ill., E. Div., Doc. 48c852, *Bisch-Rocco Amusement Co.* v. *The Heth Exposition Shows.*

2,211,334, A. E. Lechleitner, Control arrangement for magazine camera; 2,262,553, A. Nagel, Photographic apparatus of the magazine type; 2,262,570, O. Wittel, same, filed May 12, 1947, D. C., S. D. Calif., C. Div., Doc. 5970–B, *Eastman Kodak Co.* v. *Briskin Camera Corp.*

2,219,865, C. E. Fitch, Impact wrench; 2,219,883, L. A. Amtsberg, same, filed June 10, 1947, D. C., N. D. Ill., E. Div., Doc. 47c855, *Independent Pneumatic Tool Co.* v. *Chicago Pneumatic Tool Co.*

2,219,883. (See 2,219,865.)

2,241,115, W. A. Burke, Chair, filed May 29, 1947, D. C., S. D. Fla. (Miami), Doc. 2058–M, *Kay Line Industries, Inc.*, v. *Lite Metal Tubular Furniture Co.*

2,262,553. (See 2,211,334.) 2,262,570. (See 2,211,334.)

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, D. C., S. D. Ohio (Dayton), Doc. 279, *C. B. Mueller et al.* v. *The Thomas Co. et al.* Judgment June 17, 1947.

2,304,043, J. S. Weaver, Dry shaver; 2,332,379, A. B. Harris, same, filed June 10, 1947, D. C., W. D. Mo. (Kansas City), Doc. 4753, *A. B. Harris* v. *Washington Shirt Co.*

2,332,379. (See 2,304,043.)

2,352,524, Evans & McDonough, Depilatory, appeal filed June 13, 1947, C. C. A., 4th Cir., Doc. 5627, *Hutzler Bros. Co. et al.* v. *Sales Affiliates, Inc., et al.*

2,355,888, M. Nusbaum, Lock, filed June 11, 1947, D. C., E. D. N. Y., Doc. 8186, *Keyless Kaps, Inc., et al.* v. *Sal Metals Products Co.*

2,368,290, F. V. Donald, Tractor for garden cultivators and other implements, filed June 12, 1947, D. C., N. D. Ill., E. Div., Doc. 47c864, *Simplicity Mfg. Co.* v. *Pioneer Gen-E-Motor Corp.* Same, filed June 11, 1947, D. C., E. D. Wis. (Milwaukee), Doc. 4403, *Simplicity Mfg. Co.* v. *Sears, Roebuck and Co.*

2,400,632, G. W. Darenberg, Printing means, filed June 11, 1947, D. C., E. D. N. Y., Doc. 8187, *Art-All Textile Decorators* v. *Velourit Co.*

2,401,297, W. Forstner, wrist watch strap, filed June 9, 1947, D. C. R. I., Doc. 795, *Forstner Chain Corp.* v. *Marvel Jewelry Mfg. Co.*

Re. 19,719, R. E. Hall, Water softening and washing; 2,035,652, same, Washing and cleansing, D. C. Minn. (St. Paul), Doc. 722, *Hall Laboratories, Inc.*, v. *Economics Laboratory, Inc.* Patents held invalid for lack of invention, complaint and supplemental complaint dismissed June 9, 1947.

T. M. 118,841, Wills Mfg. Co., Stock tank heater; T. M. 425,842, The Mundie Mfg. Co., same; T. M. 350,459, G. W. Mundie, Jr., same, filed June 17, 1947, D. C., N. D. Ill., E. Div., Doc. 47c892, *The Mundie Mfg. Co.* v. *R. L. Schroeder.*

T. M. 148,109, King & Co., Hosiery; T. M. 421,802, T. M. 362,181, Le Roi Hosiery Co., Inc., same, filed May 27, 1947, D. C., E. D. Tenn. (Greenville), Doc. 385, *Le Roi Hosiery Co., Inc.*, v. *Lea Ray Hosiery Co.*

T. M. 196,233, A. Herz, Drinking straws, filed June 16, 1947, D. C., N. D. Ill., E. Div., Doc. 47c885, *Herz Mfg. Corp.* v. *Mako Cone & Baking Co., Inc., et al.*

T. M. 338,395, G. Guerrieri, Brandy; T. M. 338,639, same, Wines; T. M. 385,101, T. M. 376,572, Santa Fe Vintage Co., same, D. C., N. D. Ill., E. Div., Doc. 46c914, *L. Guerrieri et al.* v. *J. Finocchiaro et al.* Consent judgment, defendants restrained and their counter-claim dismissed June 17, 1947.

T. M. 338,639. (See T. M. 338,395.)

T. M. 350,459. (See T. M. 118,841.)

T. M. 362,181. (See T. M. 148,109.)

T. M. 376,572. (See T. M. 338,395.)

T. M. 385,101. (See T. M. 338,395.)

T. M. 420,945, The Hydraulic Press Mfg. Co., Hydraulically operated machines, filed June 5, 1947, D. C. N. J. (Trenton), Doc. 108/140, *The Hydraulic Press Mfg. Co. et al.* v. *Watson-Stillman Co.*

T. M. 421,802. (See T. M. 148,109.)

T. M. 425,842. (See T. M. 118,841.)

NOTICES

Public Law 690

RECIPROCITY WITH FINLAND, SECTIONS 1 AND 3

Finland has promulgated a decree on June 30, 1947, under authority of a law enacted June 26, 1947, extending to citizens of the United States privileges substantially reciprocal to the provisions of sections 1 and 3 of Public Law 690.

The United States Patent Office will accordingly apply sections 1 and 3 of Public Law 690 to citizens of Finland.

LESLIE FRAZER,
First Assistant Commissioner.

July 8, 1947.

Adjudicated Patent

(D. C. Wis.) Welch patent, No. 2,372,944, for a marking unit, claims 1, 2, and 3 *Held* invalid. *Western Lithograph Co.* v. *W. H. Brady Co.*, 71 F. Supp. 383, 74 USPQ—.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,300,538, D. P. Faulk, Electric discharge apparatus, decided June 24, 1947, claims 1 and 3.

Pat. 2,378,636, J. O. Iverson, Hydrogen fluoride alkylation process, decided June 24, 1947, claims 1, 2, and 9.

Disclaimers

2,191,957.—*Donald Edwards Edgar*, Philadelphia, and *Paul Robinson*, Llanerch, Pa. RESINOUS COMPOSITION AND METHOD OF PREPARING SAME. Patent dated Feb. 27, 1946. Disclaimer filed June 20, 1947, by the assignee, *E. I. du Pont de Nemours & Company.*

Hereby disclaims all products covered by claim 7 from which there have been eliminated less than substantially 2 molecules of water for each molecule of combined urea.

2,369,892.—*Lillian L. Grenecker*, New York, N. Y. DESTRUCTIBLE HOLLOW FORM. Patent dated Feb. 20, 1945. Disclaimer filed June 19, 1947, by the inventor.

Hereby enters this disclaimer to claim 1 of said patent.

Interference Notice

Cecil R. Cook, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ed. Harter, Inc., 1435 Dorr St., Toledo 7, Ohio, for registration of a trade-mark and trade-mark registered June 23, 1936, No. 336,087, to Cecil R. Cook, 527 S. Rampart, New Orleans, La., and the notice of such declaration sent by registered mail to said Cook at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cook, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

June 17, 1947

Classification Order No. 6

June 17, 1947

The following changes in the classification of inventions are hereby directed to take place immediately.

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 42, Firearms* (Division 22):

Breech loading
Automatic
3 Gas operated
4 Recoil operated

In *class 89, Ordnance* (Division 22):

Automatic
2 Gas operated
3 Recoil operated

In *class 190, Baggage* (Division 29):

Trunks
38 Supporting devices

In *class 312, Supports, Cabinet Structures* (Division 41):

Article-dispensing, magazine type
90 Separators

CHANGE SUBCLASS TITLES

In *class 222, Dispensing* (Division 35) change the title of subclass 226 to read:

Agitator followed by discharge assistant and/or interconnected discharge controller.

and in the title of subclass 508, correct the spelling of "interior".

ESTABLISH SUBCLASSES

In *class 73, Measuring and Testing* (Division 36):

With fluid pressure
37.5 Size or dimension

In *class 89, Ordnance* (Division 22):

125 Automatic (to follow subclass 5)
126 Plural gun, barrel or bore
127 Firing control
128 Convertible gun operation (e. g., to non-automatic)
129 Regulation of speed or rate of automatic fire
130 By regulating time of return of breech block
131 By regulating time of release of hammer
132 Firing device operation or control (e. g., full automatic)
133 Synchronizers
134 Disabled at predetermined angles of fire
135 Electrical
136 Triggers and/or remote control
137 Interlocks between firing and cartridge feeding
138 Locks bolt open
139 Semi-automatic (e. g., double sear)
140 Convertible to full-automatic
141 Breech block, barrel or hammer disconnected
142 With selective safety device
143 Alternate control of hammer and breech block or barrel
144 With means for disconnecting trigger and sear
145 By breech block or barrel motion
146 Hammer disconnected
147 Hammer cocked and released by trigger
148 With selective safety device
149 With automatic sear, or sear release
150 With automatic sear or trigger safety
151 With automatic hammer
152 Operates breech lock
153 Operates breech lock
154 With automatic hammer cocking and/or safety means
155 Movable chamber type (e. g., revolver)
156 Operating as gas piston and/or recoil member
157 Recoiling barrel with revolving chambers
158 Movable butt-piece
159 Combined movable barrel and gas operated
160 Movable barrel (e. g., rotary)
161 Forwardly movable

162 Rearwardly movable
163 Barrel having motion in addition to axial, rectilinear
164 With breech lock latch
165 Long recoil
166 Non-rectilinear breech block motion
167 Non-axial, rectilinear breech block motion
168 Pivoted locking member or toggle lock
169 With accelerator and/or unlocking lever for breech mechanism
170 With barrel latch
171 Non-rectilinear breech block motion (e. g., tilting, rotary)
172 Rotary and sliding
173 Sliding locking member
174 Rotary locking member
175 Toggle locking member
176 Pivoted locking member
177 Barrel buffers and brakes
178 Barrel return means
179 Gas piston type lock actuator carried by breech block (e. g., firing pin)
180 Breech block lock (positive or impositive)
181 With latch
182 Inertia member released lock
183 Blow back initiated
184 Non-rectilinear breech block motion (e. g., tilting, rotary)
185 Rotary and sliding
186 Non-axial, rectilinear, breech block motion
187 Sliding locking member
188 Rotary locking member
189 Toggle locking member
190 Pivoted locking member
191 Gas piston type
192 Gas piston compresses breech opening spring
193 Gas ports and/or regulators
194 Blow back breech block
195 Pistol grip magazine
196 Breech slide type
197 Box magazine
198 Buffers and brakes
199 Receiver closures and/or breech block return means

Semiautomatic
4.5 Blow back breech block (to follow subclass 4)

In *class 190, Baggage* (Division 29):
18 **Supporting devices**

In *class 240, Illumination* (Division 30):
51.11 **Fixtures for gas or vapor electric lamps** (e. g. fluorescent type)
51.12 Curvilinear lamp

In *class 252, Compositions* (Division 64):
62.5 **Magnetic**

In *class 265, Force-Measuring* (Division 36):
Scales
Beam
56.5 Slidable poise

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

On page 2 (1945) under Division 13, cancel the matter pertaining to 29 Metal Working and substitute:

29—METAL WORKING (see Division 14 for subclasses 148–199, 284–290)

Under Division 14 in the reference to 29, change "189" to *199, 284–290*; singularize "Divisions" and cancel "and 29".

On page 3 (1945) under Division 29, cancel the matter pertaining to 29, Metal Working, and 224, Package and Article Carriers.

MISCELLANEOUS CHANGES

On pages 18, 19, 20, 21 (1944), cancel the unnumbered subclass title "Beds".

Move subclasses 1 through 364 one step of indentation to the left.

On page 27 (1946), the title "locking" directly below subclass 54 should be numbered *55*, and "55 Horizontally swinging" should be

56 **Horizontally swinging.**

On page 28 (1946) subclass 126 should be coordinate with subclass 125.

On page 59, cancel the unnumbered subclass title "Automatic" immediately following subclass 2.

On page 103, subclasses 33 through 36 should be moved one step of indentation to the left to be coordinate with subclass 32.

On page 111, in subclass 276, change "Brass" to *Bass*.

On page 115 (1940), cancel the unnumbered title "Automatic" immediately following subclass 5.

On page 302, abolish the unnumbered subclass title "Slidable poise" immediately following subclass 56.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
42	3, 4	89	125 to 199
89	2, 3	89	125 to 199
190	38	190	18
		280	various subs.
312	90	222	9+, 160+, 424.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
73	37.5	33	125+, 174+
89	125 to 199	42	3, 4, 69
89	125 to 199	89	2, 3, 27
89	4.5	89	4
89	4.5	42	16
190	18	190	38, 41
240	51.11 & 51.12	240	various subs., especially sub. 78
252	62.5	106	various subs.
		252	1
		280	38–40
265	56.5	265	49

IN THE DEFINITIONS:

5, Beds

in subclass 2, in (2) Note, cancel "Motor" and substitute *Land*.

16, Miscellaneous Hardware

in subclass 1, in note (2), cancel the reference to class 265 and substitute:

265—FORCE-MEASURING, subclasses 56.5 and 60, for weights for beam scales.

24, Buckles, Buttons, Clasps, Etc.

in subclass 230.5, under "Search Classes", in the reference to class 294, change "82" to *82+*.

29, Metal Working

in subclass 155.56, in (1.5) Note, cancel the references to classes 106, 252 and 260, and add in numerical order:

252—COMPOSITIONS, subclass 62.5 and the classes and subclasses specified in the notes thereto for compositions specialized and designed for use as magnetic materials, substances peculiar to such compositions, and the processes of making such compositions and substances.

in (4) Note, cancel the references to classes 106 and 260 and add:

252—COMPOSITIONS, subclass 62.5 and the classes and subclasses specified in the notes to the definition of that subclass for miscellaneous compositions containing non-metallic materials and comminuted metals and for miscellaneous magnetic compositions.

in (7) Note, under "Search Class", in the reference to class 106, cancel the last sentence and also cancel the reference to class 260.

33, Geometrical Instruments

in subclass 49, cancel the definition and note, and substitute:

49. Ordnance sights having means for establishing a desired angular relation between the sight line and the barrel axis of a moving gun. The inclusion in the claims of means for moving the gun to move the sight will not prevent classification in this subclass (49).

Search Class—

33—OPTICS, appropriate subclasses, for similar structures involving novel optical features.
89—ORDNANCE, subclass 41, for combinations of such sights with gun-moving means responsive to the angular movement of the sight.
235—REGISTERS, subclass 61.5, for ordnance control computers, claimed per se.

42, Firearms

in the main class definition, cancel the first sentence, and substitute:

This class includes all the portable firearms, i. e., those which are supported by hand when operated, such as shoulder-guns, pistols, toy firearms and cane guns, except the automatic or explosion-operated firearms.

and under "Search Class", add in numerical order:

33—GEOMETRICAL INSTRUMENTS, subclass 47+, for gun sights, per se, and gun and sight combinations where only so much gun structure is claimed as is necessary to accommodate the sight.
86—AMMUNITION AND EXPLOSIVE CHARGE MAKING.

and also cancel the reference to 89, and substitute:

89—ORDNANCE, for heavier mounted guns, subclass 14.1, for all barrels with heat exchangers, and subclass 125+ for automatic or explosion-operated firearms.

in subclass 1, add:

This subclass takes combinations of sights with firearm structure not merely essential to the sight.

Search Class—

33—GEOMETRICAL INSTRUMENTS, subclass 47+, See the Search Note in the main class definition of this class (42).

in subclass 2, cancel "the automatic,";
abolish the definitions of subclasses 3 and 4;
in subclass 6, cancel "3, 4,";
in subclass 7, under "Search Class", add:

89—ORDNANCE, subclass 195+, for automatic guns of the grip magazine type.

in subclass 10, cancel the Search Note, and substitute:

Search Class—

89—ORDNANCE, subclass 161, for automatic guns of this type.

in subclass 11, cancel the Search Note.
in subclass 15, add:

Search Class—

89—ORDNANCE, subclass 155+, for automatic guns with movable chambers.

in subclass 16, cancel "3, 4,".
in subclass 17, cancel "3, 4,".
in subclass 18, cancel "3, 4,".
in subclass 20, cancel "3, 4,".
in subclass 22, cancel "3, 4,".
in subclass 59, add:

Search Class—

89—ORDNANCE, subclass 13, for machine guns with revolving cylinders, and subclass 155+, for automatic guns with movable chambers.

in subclass 69, after "gun-locks", insert *or firing devices*. add:

Search Class—

89—ORDNANCE, subclass 9+, for firing devices for machine guns; subclass 27+, for firing devices for non-automatic ordnance; and subclass 132+ for firing devices for automatic firearms and ordnance, especially subclass 147, for those of the double-acting type usually found in revolvers.

in subclass 70, add:

Search Class—

89—ORDNANCE, subclasses 137, 138, 142 and 148 to 154, for safety devices disclosed for automatic guns.

cancel subclass 75 and substitute:

75. Arrangements for fastening the stock and barrel together. This subclass takes all fastenings or connections between the barrel, receiver or frame, and/or stock, including those for automatic guns of the recoiling barrel type.

Search this class, subclass—

76.

Search Class—

89—ORDNANCE, subclass 14+, for ordnance barrels, and subclass 125+ for automatic guns involving features additional to the barrel mounts.

in subclass 76, under "Search Class", cancel the reference to 89, and substitute:

89—ORDNANCE, subclass 14+, for ordnance barrels; subclass 14, for firearm or ordnance barrels with silencers, flash reducers, climb arresters and gas operated recoil checks; and subclass 14.1, for barrels with heat exchangers.

in subclass 84, under "Search Class", add in numerical order:

89—ORDNANCE, subclass 28, for electric firing devices for non-automatic ordnance, and subclass 135, for electric firing devices for automatic guns.

cancel subclass 94, and substitute:

Various forms of arm-rests and also gun-rests adapted to partially support the usual shoulder firearm.

Search Class—

89—ORDNANCE, subclass 37+, for gun mounts which completely support a firearm or heavy gun.

46, Gas, Heating and Illuminating

in subclass 193, under "Search Classes" in the reference to class 252, change "379" to *408*.

58, Horology

in subclass 56, add:

Search Class—

248—SUPPORTS, subclass 114+, for mere supports for clocks and watches.

73, Measuring and Testing

in the main class definition in (3) Note under G. Radiant Energy, cancel "31, for wave meters" and substitute:

39—for wave meters for radiated electromagnetic waves.

establish the following subclass definition:

37.5. Subject matter under subclass 37 for checking size or dimension of an object by direct application of fluid pressure thereto, and utilizing the escape of fluid about the specimen as an index of its size or dimension.

Search Class—

33—GEOMETRICAL INSTRUMENTS, subclasses 125+ and 174+ for processes and apparatus for determining size or dimension by means of a mechanical contact or feeler which in turn influences the fluid flow, pressure or volume of indicating means.

81, Tools

in subclass 17, under "(2) Search Class", add in numerical order:

29—METAL WORKING, subclass 31+, for combined machines comprising vises to which are attached drills, lathes, punches, cutters, etc.

88, Optics

in the main class definition, add:

(1.5) Note.—This class takes gun sights, per se, involving novel optical features, and also such sights combined with guns where only so much of the gun is included or modified as is necessary to accommodate the sight. Gun and sight combinations involving gun structure not merely essential to the sight are in class 42, FIREARMS, and class 89, ORDNANCE.

and under "(3) Search Class", insert:

33—GEOMETRICAL INSTRUMENTS, subclasses 47+, for gun sights not involving novel optical features.
42—FIREARMS, subclass 1 (see 1.5 Note above).
89—ORDNANCE, subclass 41 (see 1.5 Note above).
235—REGISTERS, subclass 61.5, for ordnance control computers, claimed per se.

89, Ordnance

cancel the main class definition, and substitute:

This class includes all guns adapted to be mounted or supported otherwise than by hand, all explosion-operated guns including hand and shoulder firearms, bomb dropping devices, and those gun combinations and subcombinations which are not provided for in other classes including mounts, supports, carriages, loading and hoisting mechanisms, shields, sights and fuse setters.

Search Class—

33—GEOMETRICAL INSTRUMENTS, for gun sights, and gun and sight combinations where no more gun structure is claimed than is necessary to mount the sight.
42—FIREARMS, for all hand and shoulder firearms, except explosion-operated.
86—AMMUNITION AND EXPLOSIVE CHARGE MAKING.
102—AMMUNITION AND EXPLOSIVE DEVICES, for gun projectiles, per se.
124—MECHANICAL GUNS AND PROJECTORS, for devices for throwing or projecting missiles by mechanical means. This includes pneumatic and centrifugal projecting devices.
164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 0.5, for well tubing perforating tools propelled by an explosive charge.
181—ACOUSTICS, subclass 33+, particularly subclass 41+, for gun silencers claimed per se.

in subclass 1.5, cancel "devices" and substitute *apparatus and processes.*

abolish the definitions and notes of subclasses 2 and 3.

in subclass 4, add:

Search this class, subclass—
9+—for non-automatic machine guns.
17+—for breech closures.
27+—for firing devices.
37+—for gun mounts.
45+—for gun loading apparatus for semi-automatic guns.
50+—for guns that are entirely automatic, i. e., self-loading.

Search Class—
42—FIREARMS, for firearms having no explosion-operated features.

establish the following subclass definition:

4.5. Guns under subclass 4 having blow back (unlocked) breech blocks.

Search this class, subclass—
194—for automatic guns of blow back type.

in subclass 9, add:

Search this class, subclass—
125+—for automatic or self-loading guns.

in subclass 14, add:

Search Class—
42—FIREARMS, subclass 76+, for firearm barrels.

in subclass 17, under "Search this class, subclass", add:

4+—for semiautomatic guns.
9+—for machine guns.
125+—for automatic or self-loading guns.

in subclass 27, cancel the Search Note, and add:

Search this class, subclass—
9+—for firing devices for machine guns.
132+—for firing devices for automatic guns.

Search Class—
42—FIREARMS, particularly subclasses 41+, 65+ and 69+, for firing devices for non-automatic firearms.

in subclass 28, add:

Search this class, subclass—
135—for electrical firing devices for automatic guns.

Search Class—
42—FIREARMS, subclass 84, for electrical appliances, including firing devices, for non-automatic firearms.

in subclass 29, add:

Search Class—
42—FIREARMS, subclass 77, for similar devices in firearms.

in subclass 33, cancel the definition and note and substitute:

Devices to hold and/or feed a plurality of cartridges to a gun. The gun may be automatic, and the inclusion in the claims of conventional explosion-operated means, such as a recoiling barrel or a gas piston, will not prevent classification in this or indented subclasses where the improvement lies in the feeding device.

Search this class, subclass—
45+—for devices for loading single cartridges, charges or projectiles to guns.
125+—for significant automatic gun structure in addition to cartridge feeding.

Search Class—
42—FIREARMS, appropriate "magazine" subclasses, for cartridge feeding devices for firearms.
193—CONVEYERS—CHUTES, SKIDS, GUIDES, AND WAYS, for the structure of cartridge chutes and guides not structurally associated with a gun.

in subclass 37, under "Search Class", insert:

42—FIREARMS, subclass 94, for rests for supporting the forward end of a manually held gun.

in subclass 41, add:

Search this class, subclass—
134—for devices for rendering the firing devices of guns inoperative when the guns are pointed in certain predetermined directions, to avoid damaging the structures surrounding the guns.

Search Class—
33—GEOMETRICAL INSTRUMENTS, subclass 47+ for gun sights, particularly subclass 49, for automatic gun movement compensators. See the definition and notes of subclass 49 for the line between classes 33 and 89.
88—OPTICS, appropriate subclasses, for gun sights, per se, involving novel optical features, and also such sights combined with guns where only so much of the gun is included or modified as is necessary to accommodate the sight.
235—REGISTERS, subclass 61.5, for ordnance control computers, claimed per se.

in subclass 42, cancel the note and substitute:

Search this class, subclass—
4—for semi-automatic guns with recoiling barrels.
160+—for automatic guns with movable barrels.
177—for automatic guns with barrel buffers.

Search Class—
42—FIREARMS, subclass 75, for barrel mounts for recoiling barrel, automatic guns.

in subclass 45, add:

Such devices may be claimed in combination with a recoiling barrel of a semi-automatic gun.

Search this class, subclass—
4—for semi-automatic guns involving features additional to gun loading.
33+—for devices to hold and/or feed a plurality of cartridges to a gun.

establish the following subclass definitions:

125. Guns under the class definition in which the forces developed by the explosion cause operation of the breech-block, firing mechanism and self-loading mechanism.

(1) Note.—In order to cause classification in this or the indented subclasses, the firearm must be of the self-loading explosion-operated type, and all devices of this type and subcombinations thereof are placed in these subclasses, with the exceptions noted in the notes of this subclass.
(2) Note.—Explosion-operated means are the gas piston, barrels which move due to the explosion and operate the gun mechanism, breech-blocks having features for blow-back, means operated by motion of the projectile, and breech-blocks having springs or other means which will cause the breech-block to return to closed position.
(3) Note.—This and the indented subclasses have both hand and shoulder firearms and the heavier firearms and mounted ordnance.
(4) Note.—Appended to this subclass and to the indented subclasses are notes setting forth related subject matter classified in other classes and in other subclasses of this class with a more specific statement of the particular lines followed.
(5) Note.—The term "automatic" as normally used in the patents of this art has two distinct meanings:
A. To indicate automatic gun operation, where the gun is entirely self-loading; and
B. To indicate automatic firing control, where the automatic gun is constructed to fire continuously while the trigger is held retracted, as long as the ammunition supply will permit.

Search this class, subclass—
1—for conventional automatic ordnance combined with auxiliary means for placing the gun in condition to begin automatic fire (e. g., breech block retracting means).
4—for semi-automatic guns, i. e., guns having explosion-operated features as defined in (2) Note but of the non-self-loading type. The line is disclosure. In all cases where the disclosure is not clear that the gun is of the non-self-loading type, classification is in subclass 125+.
9+—for non-automatic rapid-fire guns in which external mechanical means are employed to load, fire and reload the gun.
27+—for firing devices for non-automatic ordnance.
33+—for conventional automatic ordnance claimed in combination with cartridge feeding devices.
37+—for conventional automatic guns claimed in combination with mount structures.
41—for guns having explosion-operated means for changing the angle of fire (in any direction) and including for example explosion-operated traversing and plural barrels with explosion-operated means to cause the angles between the barrels to change.
45+—for loading apparatus for non-automatic ordnance.

Search Class—
42—FIREARMS, subclass 16, for conventional automatic firearms of the rearward sliding breech block type combined with auxiliary devices for manually retracting the breech block; subclasses 59+, for non-automatic firearm revolvers; all "magazine" subclasses, for cartridge holders for or combined with conventional automatic firearms; subclasses 69+, for miscellaneous firing mechanisms for non-automatic firearms.

126. Guns or gun assemblies under subclass 125 in which two or more guns, barrels or barrel boxes are claimed.

Search this class, subclass—
9+—for non-automatic, machine guns with plural barrels or boxes.

127. Guns under subclass 126 with particular firing control mechanisms.

Search this class, subclass—
132+—for firing control for single barrel guns.

128. Guns under subclass 125 convertible to different types of automatic gun operation, or to non-automatic gun operation.

(1) Note.—The different types of operation may relate to the breech locking means, or the cartridge feeding, extracting or ejecting means, for examples.
(2) Note.—This subclass includes, for example, recoiling barrel guns having means settable to prevent the barrel from recoiling.

Search this class, subclass—
129+ and 140+—for convertible firing control as distinguished from convertible gun operation.
169 and 170—for barrel latches for other purposes.
193—for gas piston operated guns with shut-off valves to convert the gun to non-automatic operation.

129. Guns under subclass 125 having means for regulating the rate of continuous or automatic fire.

(1) Note.—This subclass and the indented subclasses include means for controlling or adjusting the cyclic period of the gun mechanism as well as the time of automatic release of the firing member.

Search this class, subclass—
132—for trigger-operated firing control means.
169—for breech block accelerators for recoiling barrel guns.
177—for barrel buffers and brakes.
193—for gas regulators for gas piston guns.
198—for breech block buffers and brakes.

130. Guns under subclass 129 wherein the return of the breech block is delayed for a predetermined time (e. g., by a breech block sear controlled by a clock escapement or fluid check).

Search this class, subclass—
142—for trigger control of breech mechanism in semi-automatic fire.

131. Guns under subclass 129 wherein the release of the hammer is delayed for a predetermined time after the closing of the breech block.

Search this class, subclass—
149 through 154—for means for automatically firing when, or preventing firing until, the breech block or barrel moves into battery (firing) position.

132. Guns under subclass 125 where features of the firing mechanism are claimed as a part of the invention.

(1) Note.—The firing mechanism includes the firing pin and the mechanism for controlling or actuating the same (e. g., trigger, sear, etc.). Where the breech block and its controlling or actuating means are claimed the mere statement that it carries a firing pin will not cause classification in this or the indented subclass.

Search this class, subclass—
27+—for firing devices for non-automatic ordnance.

Search Class—
42—FIREARMS, subclass 69+, for firing devices for non-automatic firearms.

133. Guns under subclass 132 wherein the firing device is synchronized with a moving non-gun element such as an aircraft propeller, for example.

Search this class, subclass—
127—for synchronized firing of plural guns.

134. Guns under subclass 132 having means to prevent firing towards parts of the structure on which the gun is mounted.

Search this class, subclass—
41—for gun mounts having means to prevent pointing the gun in predetermined directions.

135. Guns under subclass 132 with claimed electrical operation or control for the firing device.

Search this class, subclass—
28—for electrical firing devices for non-automatic ordnance.
134—for electrical firing devices which are disabled at predetermined angles of fire.

Search Class—
42—FIREARMS, subclass 84, for electrical appliances including firing devices for non-automatic firearms.

136. Guns under subclass 132 wherein a particular trigger is claimed. The trigger may be mounted on the gun or remote therefrom.

(1) Note.—The term "trigger" is used to designate the manually operated element or mechanism arranged to release the sear from the striker. The sear releasing device is sometimes called a "trigger motor".

Search this class, subclass—
27—for triggers for non-automatic ordnance.
127—for firing control for plural guns, barrels or bores.
132—for triggers synchronized with aircraft propellers.
136—for electrical triggers.

Search Class—
42—FIREARMS, subclass 69, for triggers for non-automatic firearms.

137. Guns under subclass 132 having interlocks between the firing mechanism and cartridge feeding mechanism.

(1) Note.—Usually the interlock is designed to prevent firing when the magazine is empty, or removed from the gun.

138. Guns under subclass 137 wherein the breech block is locked open after the last cartridge is fed from the magazine.

139. Guns under subclass 132 capable of semi-automatic firing operation.

(1) Note.—The term "semi-automatic", as applied to gun firing, is used to designate a firing device which requires manual release of the trigger after each shot before the next shot can be fired.
(2) Note.—Firing mechanisms comprising two trigger-operated sears (or sear shoulders) alternately engageable with the hammer are placed in this subclass (139).

Search this class, subclass—
133 and 149 to 164—for guns capable of full automatic fire only.

140. Guns under subclass 139 wherein the firing device is selectively operable either full-automatic or semi-automatic.

(1) Note.—The terms "full-automatic" or "automatic" are applied to firing devices which effect continuous fire as long as the trigger is retracted and ammunition is supplied to the gun.

Search this class, subclass—
128—for convertible gun operation.
129+—for guns convertible to different rates of automatic fire.

141. Guns under subclass 140 wherein the trigger and sear are automatically disconnected by the motion of some gun element other than the trigger or sear (e. g., breech block, barrel or hammer), when operating in semi-automatic condition.

Search this class, subclass—
145 and 146—for similar firing devices in guns capable of semi-automatic fire only.

142. Convertible firing mechanisms under subclass 140 provided with a selectively operable safety device for preventing firing.

Search this class, subclass—
148—for similar safety devices for non-convertible firing mechanisms.

143. Guns under subclass 139 wherein the trigger alternately controls the hammer and either the breech block or a movable barrel.

Search this class, subclass—
139—for alternate control of two hammer sears.

144. Guns under subclass 139 having means for disconnecting the trigger and sear.

Search this class, subclass—
140+—for similar firing devices convertible to full-automatic fire and/or safe condition.
148—for selective safety devices including those in which the trigger and sear are disconnected to prevent firing.

145. Guns under subclass 144 wherein the trigger and sear are automatically disconnected by motion of the breech block or barrel.

Search this class, subclass—
141—for similar disconnection in convertible firing devices.

146. Guns under subclass 144 wherein the trigger and sear are automatically disconnected by the motion of the hammer.

Search this class, subclass—
141—for similar disconnection in convertible firing devices.

147. Guns under subclass 139 wherein the hammer is cocked and released by a continuous pull on the trigger.

(1) Note.—These firing devices are closely analogous to firing devices for double acting revolvers.

Search Class—
42—FIREARMS, subclasses 65+ and 69+, for similar firing devices for non-automatic firearms.

148. Firing devices under subclass 132 provided with a selectively operable safety device for preventing firing.

Search this class, subclass—
143—for similar safety devices for convertible firing mechanisms.

Search Class—
42—FIREARMS, subclasses 66 and 70, for miscellaneous safety devices for gun firing mechanisms.

149. Guns under subclass 132 having means automatically operable by motion of breech block or barrel into firing position to release either the trigger operated sear or a separate sear, to effect firing.

(1) Note.—The separate sear is sometimes termed a "safety sear", or "automatic sear".

Search this class, subclass—
150—for automatic safety devices to prevent premature operation of the sear or trigger.
151+—for devices other than sears to automatically effect firing.

150. Guns under subclass 132 having means automatically operable by motion of breech block or barrel into battery position to release a safety lock for a sear or trigger.

Search this class, subclass—
149—for automatic sears or sear releasing devices.
154—for automatic hammer safety devices.

Search Class—
42—FIREARMS, subclasses 66 and 70 for non-automatic (manually operated) sear or trigger safety locks.

151. Guns under subclass 132 having means automatically operable by motion of breech block or barrel into battery position to effect firing movement of the hammer (e. g., inertia-operated firing pins or hammers).

(1) Note.—Usually the hammer is automatically cocked.

Search this class, subclass—
149—for automatic sear release means.

152. Guns under subclass 151 in which the automatic hammer also operates the breech lock (e. g., a firing pin carried by a gas piston operated action slide).

Search this class, subclass—
153—for breech locks operated by an element of the firing device other than an automatic hammer.

153. Guns under subclass 132 in which the firing device also operates the breech block lock.

Search this class, subclass—
152—for breech locks operated by an automatic hammer.
155 to 190—for automatic breech locks operated independently of the firing devices.

154. Guns under subclass 132 having means automatically operable by motion of breech block or barrel to cock the hammer and/or to operate a hammer safety device.

(1) Note.—The hammer safety device is operative only when the breech is open or unlocked. Any movement of the hammer or firing pin upon release of the safety device is insufficient to cause firing.

Search this class, subclass—
142 and 148—for selective safety devices for firing mechanisms of automatic guns.
149—for automatic sears which when released permit firing movement of the hammers.
151—for hammers which are automatically cocked and fired.

Search Class—
42—FIREARMS, subclasses 66 and 70 for miscellaneous safety devices for gun firing mechanisms.

155. Guns under subclass 125 wherein the cartridge is fired in a movable firing chamber (e. g., a revolver cylinder actuated by a gas piston).

Search this class, subclass—
12—for non-automatic machine guns with revolving chambers.

Search Class—
42—FIREARMS, subclasses 15, 27, 39.5, 59+, for non-automatic firearms with movable chambers.

156. Guns under subclass 155 wherein the movable chamber operates as a gas piston and/or as a recoil member to unlock and/or open the breech.

Search this class, subclass—
159 and 191+—for other gas piston operated guns.

157. Guns under subclass 155 with a recoiling barrel and revolving chambers actuated by the recoil movement of the barrel.

Search this class, subclass—
159 and 162+—for other recoiling barrel guns.

158. Guns under subclass 125 wherein the breech mechanism is actuated by the recoil of the gun proper relative to a butt-piece movable on the shoulder stock.

(1) Note.—Patents claiming a movable butt-piece and disclosing or claiming possibly novel breech locking structure are cross-referenced into the appropriate subclass indented under subclass 180 below.

Search this class, subclass—
180+—see (1) Note.

Search Class—
42—FIREARMS, subclass 71+, for stock structure, per se.

159. Guns under subclass 125 having inter-related movable barrel and gas operated features.

(1) Note.—Where the gas operated feature involves nothing more than blow back of the breech block or blow forward of the barrel after being unlocked, classification is in subclass 160+.

Search this class, subclass—
37+—for gun mounts for conventional movable guns.
160+—(see (1) Note).

160. Guns under subclass 125 in which the barrel is movably mounted relative to the stock.

(1) Note.—This subclass (160) takes guns having barrel movement other than forward and rearward reciprocation, e. g. rotary only.

Search this class, subclass—
159—for movable barrel guns having gas operated features other than mere blow back.

161. Guns under subclass 160 wherein the barrel moves forwardly relative to the stock or other mount when a shot is fired.

(1) Note.—Usually the breech block is fixed, and the barrel is not locked in battery position. These are sometimes called "blow forward" guns.

Search Class—
42—FIREARMS, subclass 10+, for non-automatic guns having forwardly movable barrels.

162. Guns under subclass 160 wherein the barrel recoils rearwardly relative to the stock or other mount.

(1) Note.—The breech block is usually locked to the barrel when the shot is fired, and is unlocked by the movement of the barrel on recoil. The locking member may be mounted on either the breech block or the barrel.
(2) Note.—Usually the barrel has axial, rectilinear motion.
(3) Note.—In this and indented subclasses the motion of the breech block considered is that relative to the barrel to open the breech for reloading.

Search this class, subclass—
4—for semi-automatic guns with recoiling barrels.
42+—for barrel mounts for non-automatic guns.
155 and 156—for guns in which the chamber only is movable.
157—for recoiling barrels with revolving chambers.

Search Class—
42—FIREARMS, subclass 75, for barrel mounts for recoiling barrels.

163. Guns under subclass 162 wherein the barrel has motion in addition to axial, rectilinear motion (e. g. rotary, tilting, transverse sliding).

164. Guns under subclass 162, having means automatically operable to latch the breech block lock in unlocked position during a predetermined portion of the gun operating cycle.

165. Guns under subclass 162, usually termed "long recoil guns", wherein the barrel and breech block recoil substantially the same distance, and the fired shell is extracted by the subsequent counter recoil (forward) movement of the barrel relative to the breech block.

(1) Note.—The breech block (or an auxiliary cartridge fed slide) is usually held in recoil position during extraction by a catch which is automatically released after extraction is completed.
(2) Note.—So called "short recoil" guns are distributed among the various subclasses indented under subclass 162, particularly subclasses 171 through 176.

Search this class, subclass—
163, 169 to 176—for "short recoil" guns, i. e., those in which the barrel recoils a relatively short distance locked to the breech block, and then the breech block is unlocked and continues to recoil, extracting the fired shell.

166. Guns under subclass 165 wherein the breech block motion or one component thereof is non-rectilinear.

(1) Note.—Usually the motion is a combined one (e. g., tilting or rotary and sliding).

167. Guns under subclass 165 wherein the breech block motion is rectilinear but non-axial relative to the barrel (e. g. transverse sliding).

168. Guns under subclass 165 with a pivoted member or toggle for locking the breech block.

169. Guns under subclass 162 provided with a means for accelerating the rearward movement of the breech mechanism (or a part thereof) relative to the barrel.

(1) Note.—In some guns the accelerator also serves as a barrel latch.

170. Guns under subclass 162 provided with means for latching the barrel in recoiled position during the opening and closing of the breech.

Search this class, subclass—
128—for barrel locks for preventing recoil of the barrel.
169—for accelerators serving as barrel latches.

171. Guns under subclass 162 wherein the breech block motion or one component thereof is non-rectilinear.

(1) Note.—Usually the motion is a combined one (e. g., tilting and sliding).

172. Guns under subclass 171 wherein the breech block rotates and slides.

173. Guns under subclass 162 in which a locking member slides relative to the breech block.

174. Guns under subclass 162 with a breech block locking member rotatable about the barrel axis.

175. Guns under subclass 162 with a toggle lock for the breech block.

(1) Note.—The term "toggle" is applied herein to an assembly of two links pivoted together at one end and pivoted to the breech block and the barrel extension at the other end, and arranged substantially in a straight line, the toggle being broken during recoil to allow the breech block to be moved to loading position by blow back or otherwise.

176. Guns under subclass 162 with a pivoted member for locking the breech block.

Search this class, subclass—
175—for pivoted locking members of the toggle type.

177. Guns under subclass 160 wherein the barrel is provided with either a buffer to absorb excess recoil or counter-recoil energy, or a brake to retard the rate of recoil or counter-recoil motion.

(1) Note—The intended function of the barrel buffer may be that of increasing the rate of fire.
(2) Note.—To cause classification in this subclass the buffer must involve more than a rigid stop surface and more than a barrel return spring.

Search this class, subclass—
42+—for recoil checks for non-automatic guns.
129+—for devices other than buffers or brakes for regulating the rate of fire.
178—for barrel recoil springs.
198—for other buffers and brakes.

Search Class—
188—BRAKES.
267—SPRING DEVICES.

178. Guns under subclass 160 in which the invention lies in the means for returning the barrel to firing position.

(1) Note.—The return means is usually a spring device, which also opposes the recoil of the barrel.

Search this class, subclass—
42+—for similar devices for non-automatic guns.
177—for barrel buffer springs, claimed per se or combined with barrel return means.
190—for breech block return means.

Search Class—
267—SPRING DEVICES.

179. Guns under subclass 125 in which the breech block is unlocked by a gas piston type actuator carried by the breech block.

(1) Note.—The actuator may be actuated by recoil of either the entire cartridge or the primer thereof.

Search this class, subclass—
156—for guns having movable chambers serving as gas pistons.
183—for lock operating inertia members started by slight blow back of the entire breech block.

180. Guns under subclass 125 in which the claimed invention is limited to a breech block locking or retarding means.

(1) Note.—The breech block may be either positively locked in breech closed position against any substantial blow back motion, or merely initially retarded. To cause classification in this or indented subclasses the patents must claim some locking or retarding means other than the breech block recoil spring, a brake or the inertia of the parts.

(2) Note.—Patents claiming breech block locking structure and also claiming or disclosing novel gas piston structure will be classified here and cross-referenced to the appropriate gas piston subclass 191+
(3) Note.—The breech block locking member may be movably mounted on either the breech block or the stationary receiver or frame.

Search this class, subclass—
17+—for breech block locks for non-automatic ordnance.
159 and 160+—for breech block locks for movable barrel guns.
191+—(see (2) Note).
194+—for inertia-locked or "blow back" guns.
198—for brakes for retarding substantially the entire motion of the breech block.

Search Class—
42—FIREARMS, appropriate subclasses, for breech block locks for non-automatic firearms.

181. Guns under subclass 180 provided with a latch for the locking means.

Search this class, subclass—
164—for similar latches for recoiling barrel guns.

182. Guns under subclass 180 in which the breech block lock is unlocked or released by a separate member movable by inertia relative to the breech block.

Search this class, subclass—
156—for inertia operated movable chambers.
162+—for inertia operated barrels.

183. Guns under subclass 182 in which the inertia member is started by a slight blow back motion of the breech block.

Search this class, subclass—
179—for breech block locks operated by blow back of a part only of the breech block.
194+—for blow back guns having no breech lock.

184. Guns under subclass 180 in which the breech block motion or one component thereof is non-rectilinear (e. g., tilting, rotary).

Search this class, subclass—
166 and 171+—for movable barrel guns with non-rectilinearly movable breech block.

185. Guns under subclass 184 in which the motion is that of rotating and sliding.

186. Guns under subclass 180 in which the breech block motion is rectilinear but non-axial (e. g., transverse sliding).

Search this class, subclass—
167—for long recoil, movable barrel guns with non-axial, rectilinear breech block motion.

187. Guns under subclass 180 with a sliding member for locking the breech block.

Search this class, subclass—
173—for short recoil, movable barrel guns with sliding locks.

188. Guns under subclass 180 with a breech block locking member rotatable about the barrel axis.

Search this class, subclass—
174—for short recoil, movable barrel guns with rotary locks.

189. Guns under subclass 180 with a toggle lock for the breech block.

Search this class, subclass—
168 and 175—for movable barrel guns with toggle locks.

190. Guns under subclass 180 with a pivoted member for locking the breech block.

Search this class, subclass—
168 and 176—for movable barrel guns with pivoted locks.

191. Guns under subclass 125 having a gas piston operated by the exploding gases in the barrel.

(1) Note.—Blow back guns (no breech lock) are excluded from this and indented subclasses.
(2) Note.—To cause original classification herein, the claims must be directed to the structure of the gas port, cylinder or piston, and/or the connection with the breech block lock and must not include any specific breech block lock.
(3) Note.—Usually the gas piston unlocks the breech block lock, but in some guns it serves to retard blow back of the breech block.

Search this class, subclass—
156—for movable chambers operating as gas pistons.
159—for combined movable barrel and gas operated guns.
179—for gas pistons carried by the breech block.
180+—for gas piston type guns where the claims include a breech block lock.
194+—for blow back guns.

192. Guns under subclass 191 in which the exploding gases move a gas piston to compress a spring, which, after the gas drops to a predetermined value, unlocks and moves the breech block to open position.

193. Guns under subclass 191 with specific gas ports, cylinders and/or regulators.

Search Class—
138—PIPES AND CONDUITS, subclass 37+, for regulators, per se.
251—VALVES, for valve structure, per se.

194. Guns under subclass 125 in which a breech block, having rectilinear motion only, is not locked, but is resiliently held in breech closing position *solely* by its own inertia and its recoil or return spring.

(1) Note.—Classification is in this or indented subclasses where the claims are limited to the mounting of the breech block, even though a breech block lock is disclosed.

(2) Note.—Guns in which a breech lock or retarding means is released by some means after which the breech block is moved back by blow back are classified on the type of the locking or retarding means claimed.

Search this class, subclass—
4.5—for semi-automatic guns of the blow back type.
183—for inertia operated locks initiated by limited blow back of the breech block.

195. Guns under subclass 194 in the form of a pistol with a magazine mounted in the grip thereof.

Search Class—
42—FIREARMS, subclass 7, for non-automatic grip magazine pistols.

196. Guns under subclass 195 in which the breech block is rigidly connected to a member which extends forwardly adjacent the barrel and provides an abutment for the breech block return spring.

(1) Note.—Usually the member surrounds the barrel and is an integral part of the breech block.

197. Guns under subclass 194 having a box magazine other than of pistol grip type.

(1) Note.—A box magazine is one that dispenses cartridges therefrom in side-by-side relation, as distinguished from a tubular magazine, for example.

(2) Note.—The disclosure of a box magazine is sufficient to cause classification in this subclass rather than subclass 194.

Search this class, subclass—
33+—for cartridge holders for ordnance.
194—see (2) note.
195+—for blow-back guns with pistol grip magazines.

Search Class—
42—FIREARMS, appropriate subclasses, for box magazine features in non-automatic guns, or in automatic guns where the automatic features are not claimed.

198. Guns under subclass 125 provided with buffers and/or brakes (e. g., for the breech block).

(1) Note.—The buffer must involve something more than a rigid stop surface, and more than a breech block return spring.

Search this class, subclass—
129—for devices other than buffers or brakes for regulating the rate of fire.
177—for buffers and brakes for movable barrels.
180+—for means for retarding the initial opening movement only of the breech block.
190—for breech block stops and return springs.

Search Class—
188—BRAKES.
267—SPRING DEVICES.

199. Guns under subclass 125 with particular receiver closures and/or breech block return means.

(1) Note.—The closure may provide an abutment for the breech block return means, or a stop surface for the breech block.

(2) Note.—The breech block return means is usually a spring device, which also apposes the recoil motion of the breech block.

Search this class, subclass—
178—for return means for movable barrels.

97, Plows

in subclass 227, add at the end of the definition:

These devices must include provisions for moving or removing the cut or trimmed sod or turf.

102, Ammunition and Explosive Devices

in subclass 65, insert after "gas", first occurrence, *incendiary*;

cancel the existing note, and add:

Note.—See this class, subclass 66, and the search note thereunder.

in subclass 66, cancel the existing note, and add:

Search this class, subclass—
6—for drop bombs containing such materials.
29—for gas cartridges.
60—for shells containing incendiary or smoke generating material to indicate the path of flight or point of impact.
65—for grenades having such materials.
90—for miscellaneous devices under the class definition containing such materials (e. g., projectiles having no bursting charge).

in subclass 90, under "Search this class, subclass", in the reference to 65, after "gas", first occurrence, insert: *,incendiary*.

106, Compositions, Coating or Plastic

in the main class definition in (1) Note, under B cancel the reference to class 175, Electricity—General Applications, and substitute:

175—ELECTRICITY, GENERAL APPLICATIONS, subclasses 41 and 315 for condensers including a dielectric composition, even though the dielectric composition is claimed, per se.

and in the reference to class 252, Compositions, add:

Subclass 62.5 for magnets defined only by their composition and for compositions specialized and designed for use as magnetic materials.

in the main class definition, in (2) Note, under B "See classes", insert:

17—BUTCHERING, subclass 1 for composition for use in removing feathers and hair from fowls and animals in the preparation of the carcasses for food.

114, Ships

in subclass 20, insert the following:

Search this class, subclass—
238+—for torpedo launching.

in subclass 238, insert the following:

Search this class, subclass—
20+—for torpedo structure.

under "Search Classes", cancel the reference to class 89 and substitute:

89—ORDNANCE, subclass 1.5, for apparatus and processes for dropping torpedoes and other bombs from aircraft, and subclass 5, for torpedo-guns for torpedo-projectiles that are projected rather than launched.

120, Stationery

in subclass 43, under "Search Class", add in numerical order:

222—DISPENSING, subclass 501, for dispensing devices having a material passage in a nozzle or other discharge guide and a movable valve or closure for the passage, the closure being operated by an actuator extending through the material passage and contacted by the receiver.

123, Internal-Combustion Engines

in subclass 171, change "(3) Note" to (4) *Note* and insert:

(3) Note.—Aircraft engine cowling or enclosure devices providing for directing a flow of air against the engine or accessory parts to be cooled are included in this subclass. See (3) Note to subclass 53 in class 244 for the line.

126, Stoves and Furnaces

in subclass 202 add:

Search Class—
160—CLOSURES, PARTITIONS, AND PANELS, FLEXIBLE AND PORTABLE, for screens or guards which are (1) made of a plurality of interconnected strips, slats and panels (2) made of flexible material and/or (3) having feet or handles and being portable.

128, Surgery

in subclass 65, add:

Search Class—
132—TOILET, subclass 11+ for combs which massage the scalp and apply medicament thereto.

in subclass 172, add:

Search Class—
132—TOILET, subclass 11+ for combs which apply medicament to the scalp.

132, Toilet

in subclass 11 add:

(1.5) Note.—Combs combined with devices to (1) massage the scalp or (2) apply medicament to the scalp or (3) both will be found here.

in subclass 73, in the definition, change the comma to *and*.

154, Laminated Fabric and Analogous Manufactures

in subclass 129, change "42.01" to 75.

155, Chairs and Seats

in subclass 6, cancel the notes and substitute:

(1) Note.—Vehicle seat arrangements convertible to beds or berths are classified here where no more of the vehicle body structure is claimed than is necessary to provide support for the seat or berth; the supporting means may include vehicle body walls, compartment partitions, or ceiling or roof attached suspending means. Inclusion in the claims of devices or arrangements providing for privacy for the occupant of the seat or berth will in general cause the patent to be classified in the appropriate vehicle class.

Search this class, subclass—
45+—for chairs or seats convertible to beds.

Search Class—
105—RAILWAY ROLLING STOCK, subclass 316+ for railway car seating arrangements convertible into sleeping berths.

176, Electric Lamps

in subclass 42, insert under "(3) Search Classes":

240—ILLUMINATION, appropriate subclasses, especially subclass 51.11+ for lighting fixtures for liquid electrode arc lamps.

in subclass 122, insert under "Search Class":

240—ILLUMINATION, subclass 51.11+ for lighting fixtures for electric lamps of the gas or vapor discharge type.

184, Lubrication

in subclass 102, under "Search this class, subclass", after "16," insert: *19, 22, 25*.

190, Baggage

establish the following subclass definition:

18. Legs and other structures for bearing the weight of the baggage.

(1) Note.—Handles of strap form are classified in this class, subclass 39. Trunk-handles of other types are classified in class 16, MISCELLANEOUS HARDWARE, subclasses 110 and 125. Casters are classified in class 16, MISCELLANEOUS HARDWARE, subclass 18.

Search this class, subclass—
20—see (1) Note, above.
39—see (1) Note, above.

Search Class—
16—MISCELLANEOUS HARDWARE, see (1) Note, above.
280—LAND VEHICLES, appropriate subclasses, for wheeled carriers for baggage, and for the combination of an article of baggage with transporting wheels where no more baggage structure is claimed than is necessary to mount or house the wheels.

abolish the definition of subclass 38.

235, Registers

in subclass 61.5, cancel the search notes, and substitute:

Search Class—
33—GEOMETRICAL INSTRUMENTS, subclasses 46.5 and 49, for computing devices wherein factors are set in and a telescope or other sight is automatically positioned in accordance with the computed result, e. g., bomb and gun sights.
89—ORDNANCE, subclass 41, for computers combined with gun-controlling mechanisms.

240, Illumination

in subclass 1.1 add:

Search this class, subclass—
51.11+—for lighting fixtures for electric lamps of the gas or vapor type, including lamps of the fluorescent type. Some of the lamp bulbs in the devices in subclasses 51.11+ are designed to simulate daylight.

in subclass 2.25, insert:

Search this class, subclass—
51.11+—for lighting fixtures for electric lamps of the gas or vapor type, including lamps of the fluorescent type. In subclass 51.11, the fluorescent material is applied to the lamp bulb rather than to the fixture or device illuminated by the light source.

in subclass 11.4, insert:

Search this class, subclass—
51.11+—for lighting fixtures for electric lamps of the gas or vapor type, including lamps of the fluorescent type.

establish the following subclass definitions:

51.11. Lighting fixtures for electric lamps of the gas or vapor space discharge type.

(1) Note.—This subclass includes lighting fixtures for gas or vapor lamps of the so-called fluorescent lamp type, such lamps being a gas or vapor discharge lamp having a fluorescent coating upon the lamp for converting the light energy produced by the electric discharge in the gas or vapor to a different character of light.

Search this class, subclass—
1.1—for illuminating devices within the class definition of the "daylight" type. The devices in subclass 1.1 are provided with means to modify the character of light from an artificial source for the purpose of producing light simulating daylight.
2.25—for illuminating devices in combination with fluorescent or phosphorescent material. In the devices in subclass 2.25, the fluorescent or phosphorescent material is applied to the fixture or device illuminated by the source of illumination instead of to the lamp bulb.
11—for lanterns having sources of light which are electric lamps of the gas or vapor space discharge type.

Search Class—
173—ELECTRICITY—CONNECTORS, appropriate subclasses, for sockets and other electrical connectors for gas or vapor discharge lamps, see subclass 328 for sockets of the "double ended" type, that is, designed to receive an elongated lamp having contacts at each end.
176—ELECTRIC LAMPS, subclasses 1, 41+ and 122+ for gas and vapor filled electric space discharge devices, per se.
315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, appropriate subclasses, for gas and vapor filled electric discharge lamps in combination with the electrical supply circuits therefor. Class 315 provides only for the lamp and the supply circuit. Where illuminating structure is claimed, or means for supporting or protecting the lamp bulb is claimed in addition to the supply circuit for the lamp, the patent is classified in class 240.

51.12. Fixtures under subclass 51.11 where the lamp bulb is an elongated tube, the tube being curvilinear or non-straight along its length.

244, Aeronautics

in subclass 53, cancel (3) Note and substitute:

(3) Note.—Devices for cooling internal combustion engines by means of air are classified in class 123, INTERNAL COMBUSTION ENGINES, mainly in subclass 171. This includes aircraft engine cowling or enclosure devices to provide for directing a flow of air against the engine or accessory parts to be cooled, and may include so much of the aircraft structure as necessary to support the engine, cowling, or enclosure, or to complete the control of the flow of air through the cowling or enclosure. Broad recitation in the claims of the relation of the profile or outline of the cowling or enclosure to that of the adjacent aircraft structure is not sufficient to exclude the patent from class 123, nor will the patent be excluded by specific recitation of airfoil or airflow characteristics of the cowling or enclosure.

252, Compositions

establish the following subclass definition:

62.5. Compositions specialized and designed for use as magnetic materials, substances peculiar to such compositions, or processes of making the same.

Search Class—
29—METAL WORKING, subclass 155.56+ and the classes and subclasses specified in the notes to the definition of those subclasses, see especially note 4 to the definition of that subclass for miscellaneous methods for making magnets or cores for electromagnets from comminuted materials, including from mixtures of non-metallic plastic materials and comminuted metals or magnetic nonmetals. This subclass in class 252 provides for miscellaneous processes of making only the mag-

netic composition. Subclasses 180+ of class 29 is the generic place for metal stock including metal strands which are defined only by their composition even though claimed as being formed of magnetic material.

75—METALLURGY, subclass 0.5 for metallic stock and metallic strands which are defined only by their composition even though claimed as being a magnetic material. Metal stock and metal strands composed of a single metal are in subclass 0.5 of class 75, and metal stock and metallic strands composed of an alloy are classified with the appropriate alloy in subclass 122+ of class 75. Subclass 0.5 of class 75 provides for patents claiming comminuted metal composed of a single metal, and for patents claiming mixtures of comminuted metals, the particles being mixtures of two or more metals or two or more alloys. Subclass 22 of class 75 provides for metals or alloys produced by heating in a solid or compact state comminuted metal or metal bearing ingredients, without melting all the ingredients. Subclasses 122+ of class 75 provides for comminuted metal composed of an alloy of two or more metals.

106—COMPOSITIONS, COATING OR PLASTIC, for strands, filaments and compositions distinguished solely by being made of plastic compositions (e. g., mixtures of metal powders and a plastic or coating composition). Such compositions are classified, for the most part, in class 106 in the subclasses entitled "With filler, dye or pigment". This subclass in class 252 provides for all magnetic compositions which would otherwise be classified in class 106.

148—METAL TREATMENT, subclasses 31+ for metal stock and wires which are defined only by their physical or chemical properties even though claimed as being a magnetic material.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 21 for the structure of magnets.

260—CHEMISTRY, CARBON COMPOUNDS, subclasses 37+ for compositions containing synthetic resins and comminuted metal and subclasses 762+ for compositions containing rubber or a derivative thereof and comminuted metal. This subclass in 252 provides for all magnetic compositions which would otherwise be classified in class 260.

260, Chemistry, Carbon Compounds

in the main class definition, in (10) Note change "and lubricant" to *lubricating and magnetic.*

265, Force-Measuring

establish the following subclass definition:

56.5. Subject matter under subclass 49 comprising linearily movable poise features per se, or in combinational relation with beam structure wherein only so much of the beam is included and/or modified as accommodates the poise. Initial or tare balancing poise arrangements are also included.

Search this class, subclass—

6 and 7—for linearly movable poise features included in a printing or recording scale.
30 and 31—for linearly movable poises on the beams of computing scales.
56—for automatically slidable poises.
60—for nonslidable-poise features.

Search Class—

16—MISCELLANEOUS HARDWARE, subclass 1, and see note (2) to the definition thereof, for miscellaneous weights.

273, Amusement Devices, Games

in the main class definition, in the fifth paragraph, cancel the first sentence and substitute:

Score totalizing apparatus for use in games are classified in class 235.

280, Land Vehicles

in the main class definition, add the following note:

(3.5) Note.—Compare class 190, BAGGAGE, subclass 18, for baggage supporting devices. Wheeled carriers for baggage, and the combination of an article of baggage with transporting wheels where no more baggage structure is claimed than is necessary to mount or house the wheels, are in this class (280), appropriate subclasses.

in subclass 80, add:

Search Class—

152—RESILIENT TIRES AND WHEELS, subclass 1+.
301—LAND VEHICLES, WHEELS AND AXLES.
305—LAND VEHICLES, WHEEL SUBSTITUTES, for portable tracks and the like.
306—MACHINE ELEMENTS, BEARINGS AND GUIDES, for vehicle wheel bearings.

312, Supports, Cabinet Structures

abolish the definition of subclass 90.

MARK TAYLOR,
Acting Executive Primary Examiner.

Classification Order No. 7

June 17, 1947

The following changes in the classification of inventions are hereby directed to take place immediately.

ESTABLISH CLASS

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS (Division 26)

Note.—Copies of the subclass titles and of the definitions of this class may be seen in the Search Room and in the Classification Division pending publication.

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *class 73, Measuring and Testing* (Division 36):

18 **Mass spectrometry**

ESTABLISH SUBCLASS

In *class 250, Radiant Energy* (Division 54):

41.9 **Ionic separation or analysis (e. g., mass spectrometry)** (to follow subclass 41.5)

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Division 26, add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

After "172. Electricity-Motive Power", insert:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS . . . 26

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

After "320, Electricity, Battery and Condenser Charging and Discharging", insert:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS . . . 26

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
73	18	250	41.9

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED CLASS AND SUBCLASS

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
250	41.9	73	18
322	all	171	Various (Particularly 119, 221, 222, 223, 224, 225, 227, 229, 230 and 312)

IN THE DEFINITIONS:

13, Electric Furnaces

in subclass 12, under "Search Class", add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses for generator control systems, attention being directed to subclass 17+ for automatic generator control systems.

73, Measuring and Testing

in the class definition, under (3) Note C. Electrical, cancel the reference to class 171 and substitute:

171—ELECTRICITY—GENERATION, subclasses 34+, 95+ for electric meters and galvanometers; subclasses 205–209, 212, 252 and 317 to 329 for structures of electric generators per se.

The line between testing means which generate electricity, in class 73 and generating means in class 171 is as follows:

Where the claimed subject matter is limited to structural details only of a dynamo-electric machine or generator or dynamometer, original classification is in class 171, regardless of the title or function assigned to the structure (for example, a "dynamometer" having detailed structure set forth which pertains only to the structure of the generating mechanism per se is classifiable in class 171).

and add in numerical order:

250—RADIANT ENERGY, subclass 41.9 for ionic analysis of materials by measurement of the mass to electric charge ratio of particles (e. g., mass spectrometry).

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses for systems of control of electric generators of general application.

The line between testing means which generate electricity in class 73 and generating systems in class 322 is as follows:

Where the claimed subject matter is limited (either positively or by necessary inference) to a system which includes a "dynamometer" or to a dynamoelectric machine having an absorption circuit (such as for example a dynamoelectric machine or generator having an eddy current disk or an induction disk or having a resistor connected across the output circuit thereof), original classification is in class 73.

Where the claimed subject matter is limited merely to an electric "generator" or to a "dynamoelectric machine" in combination with control means therefor, original classification is in class 322, regardless of the disclosure, except as noted hereinabove in the reference to class 290.

and after K. Weighing Scales add:

L. Mass Spectrometry
See the reference to class 250, RADIANT ENERGY in Note 3C above.

in (4) Note, under "Search Class", add in numerical order:

264—SPEED RESPONSIVE DEVICES for speed or acceleration responsive devices.

in (5) Note, in the reference to class 250, change "3G, H; 4" to *3C, G, L; 4.*

abolish the definition of subclass 18.

in subclass 136, under "Search Class", cancel the reference to class 171 and substitute:

171—ELECTRICITY—GENERATION, subclass 123 for dynamo-electric converters and their control.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for electric generator systems and their control.

in subclass 341, under "Search Class", add in numerical order:

136—BATTERIES, subclass 4+, for the structure of thermal generators.

171—ELECTRICITY—GENERATION, subclass 125, for pyromagneto-electric generators.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 2 for systems involving non-magnetic type generators including thermal generators; subclass 33+ for generator control in response to thermal conditions.

in subclass 359, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 2 for systems involving non-magnetic type generators including thermal generators; subclass 33+ for generator control in response to thermal conditions.

84, Music

in subclass 1.01, under (4) Note, add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses for miscellaneous generator systems for generating electric currents and potentials.

in subclass 1.04, add:

(6) Note.—For systems of general application for converting mechanical motion to electric currents or potentials, see class 322, ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, particularly subclass 3 for reciprocating or oscillating generator systems.

in subclass 1.09 add:

(4) Note.—For miscellaneous current and voltage regulators for generator systems, see class 322, ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses.

105, Railway Rolling Stock

in subclass 35, under "Search Class", in the reference to 290, Prime Mover Dynamo Plants, add:

and subclass 9+ for prime mover driven generator supplied electric traction motor systems.

and also add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for generator control systems.

123, Internal-Combustion Engines

in subclass 102, in (1) Note, cancel "subclass 226, in class 171, Electricity—Generation" and substitute:

subclass 40+, in class 290, PRIME MOVER DYNAMO PLANTS

and in "(3) Search Class", cancel the reference to class 171 and substitute:

290—PRIME MOVER DYNAMO PLANTS, subclass 40+.

128, Surgery

in subclass 378, number the note thereunder as (1) Note and add:

(2) Note.—For electric generator systems, see class 322, ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses.

in subclass 419, add:

(4) Note.—Systems for regulating the voltage or current of a generator are found in class 322, ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses.

174, Electricity, Conductors and Insulators

in the class definition, in (6) Note, add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS.

183, Gas Separation

in subclass 7, under "Search Class", in the reference to class 250, Radiant Energy, after "type" add:

and subclass 41.9 for methods and apparatus for ionic separation of materials utilizing the mass to electric charge ratio of particles.

204, Chemistry, Electrical and Wave Energy

in the class definition in (20) Note add:

See subclass 41.9 of class 250 for methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles.

209, Classifying, Separating, and Assorting Solids

in the class definition, add:

(15) Note.—Class 250, RADIANT ENERGY, subclass 41.9 provides for methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles.

222, Dispensing

in subclass 76, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS.

240, Illumination

in subclass 6.4, under "(2) Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 1, for portably mounted generator systems.

in subclass 7.6, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for electric generator systems and their control.

246, Railway Switches and Signals

in subclass 245, under "Search Classes", add in numerical order:

171—ELECTRICITY—GENERATION, appropriate subclasses, for electric generator structure.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for electric generator systems.

250, Radiant Energy

in the class definition under "Search Class", in the reference to class 73, Measuring and Testing, cancel ", subclass 18 having mass spectrometry".

in subclass 27, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 72+ for generator field circuit control by means of space discharge devices.

in subclass 36, under "(2) Search Classes", in the reference to class 171, change "subclass 23" to *subclasses 328 and 329.*

in subclass 38, under "Search Classes", in the reference to class 171, change "subclass 23" to *subclass 328*.

in subclass 41.5 under "Search Class", add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 26, for light responsive systems for controlling electric generators.

establish the following subclass definition:

41.9. Methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles.

(1) Note.—This subclass includes mass spectrometry, i. e., the analysis of materials by measurement of the mass to electric charge ratio of particles.

(2) Note.—In general, the apparatus in this subclass provides means for ionizing particles, usually by subjecting them to a stream of electrons, and subjecting the ionized particles to the effects of electric or magnetic fields which causes the particles to travel through a curved trajectory, the particles of one mass to electric charge ratio having a different trajectory from other particles having a different mass to electric charge ratio.

Search this class, subclass—

27—for miscellaneous systems for energizing electronic tubes and devices of the type in which a beam of electrons, positive ions or charged particles is deflected, accelerated or decelerated, or otherwise modified. See the reference to class 315 for cathode ray tube circuits.

27.5—for miscellaneous electronic tubes having means for emitting electrons, or generating positive ions, etc. See indented subclass 141+ for the structure of cathode ray tubes.

49.5—and the classes and subclasses specified in the search notes thereto for apparatus and methods for subjecting materials, including fluids and gases, to the effects of electronic or ionic bombardment.

Search Class—

73—MEASURING AND TESTING, and see the notes thereto for measuring and testing in general.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 183, for miscellaneous electrical testing, subclass 265 for ionization apparatus in general.

183—GAS SEPARATION, subclass 7, for methods and apparatus for gas separation utilizing electrical discharges.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclasses 156 and 164 and indented subclasses for processes, subclasses 311, 312 and indented subclasses, for apparatus for performing chemical reactions in which an electric space discharge is utilized; subclasses 186 and 302 and indented subclasses, for methods and apparatus specialized for the electrical separation or purification of liquids utilizing an electric space discharge device; subclasses 192 and 298, for methods and apparatus specialized for coating or forming objects within a gaseous medium by the action of an electric space discharge (cathode sputtering).

209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, for miscellaneous apparatus for classifying, separating and assorting solids which utilize electrical means, see subclass 81 for automatic assorting according to their electrical conductivity, subclass 127+ for methods and apparatus employing electrostatic charges for assorting materials, subclasses 212 and 213+ for methods and apparatus utilizing the magnetic properties of materials for assorting, and subclass 478 for magnetic stratifiers.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 1+ for cathode ray tube circuits, subclass 108+ for systems for supplying current or potential to discharge devices where the discharge device is provided with means for supplying gas or vapor to the inside of the enclosing envelope, and subclass 111 for systems of supply for discharge devices where the discharge device is provided with means to supply a fluent material (gas, etc.) to the discharge space between the discharge electrodes.

in subclass 49.5 add the following:

(3.5) Note.—Search this class, subclass 41.9, for methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles, the apparatus sometimes including means for charging the particles by subjecting a material to electronic or ionic bombardment.

in subclass 103, under "(2) Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for generator voltage and current regulating systems.

263, Motors, Fluid

in the class definition, under (5) Note, cancel "and" before "230" and add in numerical order:

and 322, ELECTRICITY, SINGLE GENERATOR SYSTEMS.

264, Speed Responsive Devices

in the class definition, under Note, add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 29+.

314, Electric Lamp and Discharge Devices, Consumable Electrodes

in subclass 132, under "(3) Search Classes", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for electric generator regulators of general application.

315, Electric Lamp and Discharge Devices, Systems

in the class definition, in (3) Note, under "171, Electricity—Generation, subclass:", cancel "312, 313 . . . to be excluded from class 315" and substitute:

312, and 313 which take systems having a storage battery as a source of supply. Where there is a second source of supply which may supply energy either simultaneously or alternately with the storage battery, and the battery is designed to be charged either continuously or at times from such second source of supply or from an independent source, the storage battery is considered to be a load device and such systems are excluded from class 315. See class 320 below, for battery charging and/or discharging systems.

after "314, Electric Lamp and Discharge Devices, Consumable Electrodes" add:

320—ELECTRICITY, BATTERY AND CONDENSER CHARGING AND DISCHARGING, appropriate subclasses for battery charging and/or discharging systems.

and under "Search Class" in the reference to class 250, Radiant Energy, add in numerical order:

41.9—Provides for the methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles.

in subclass 1, under "Search Class" in the reference to class 250, Radiant Energy, add:

Subclass 41.9 provides for the methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles, the apparatus used usually being somewhat analogous to a cathode ray tube.

in subclass 33, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 1, for portably mounted generator systems.

in subclass 77, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 1, for portably mounted generator systems.

in subclass 78, under "Search Class", cancel reference to class 171 and substitute:

171—ELECTRICITY—GENERATION, the subclasses indented under the title "Magneto-electric" for magneto-electric generators per se and subclass 313 for car systems wherein a generator driven from the car axle is used to supply the various car loads.

and add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for systems for regulating the current output of generators.

in subclass 108, under "Search Class" in the reference to class 250, Radiant Energy, add:

Subclass 41.9 for the methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles, the apparatus sometimes used including means to subject a gas or vapor to electron or ionic bombardment for the purpose of charging the particles.

in subclass 111, under "Search Class" in the reference to class 250, Radiant Energy, add:

Subclass 41.9 for the methods and apparatus for the ionic separation or analysis of materials utilizing the mass to electric charge ratio of particles, the apparatus sometimes used including means to subject a gas or vapor to electron or ionic bombardment for the purpose of charging the particles.

in subclass 209, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 69+ for periodic interruption of generator field circuit and subclass 94 for interruption of generator armature circuit.

in subclass 291, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses for generator regulating systems, particularly subclass 17+ for automatic generator regulating systems.

in subclass 300, under "Search Class", cancel the reference to class 171 and substitute:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for miscellaneous regulation systems wherein the regulation is controlled by the current generating means.

in subclass 302, under "Search Class", cancel the reference to class 171 and substitute:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for miscellaneous generator regulator systems.

in subclass 303, under "Search Class", in the reference to class 171, cancel "and subclass 312 for other motor generator regulating systems" and add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 14+ for generator systems having combined control of generator and driving means and subclass 38+ for generator systems having driving means control.

in subclass 304, under "Search Class," cancel the reference to class 171 and substitute:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 63+ for generator systems wherein the generator control includes a plurality of field windings.

in subclass 307, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 17+ for automatic generator regulation systems of general application.

320, Electricity, Battery and Condenser Charging and Discharging

in the class definition, under "Searches in other classes", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, is the generic class for generator systems supplying a single load circuit.

in subclass 25, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 5+ for generator polarity control systems.

in subclass 30, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 17+ for automatic generator control responsive to predetermined conditions.

in subclass 31, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 18 for automatic generator control with time delay; subclass 22+ for automatic generator control responsive to plural conditions.

in subclass 32, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 25 for automatic generator control responsive to current and voltage of the generator.

in subclass 35, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 33+ for automatic generator control responsive to thermal conditions.

in subclass 39, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 27 for automatic generator control responsive to generator current; subclass 28 for automatic generator control responsive to generator voltage.

in subclass 41, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 29+ for automatic generator control responsive to the speed of the generator.

in subclass 51, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 79 for unidirectional conductors used as impedances in the generator field circuit.

in subclass 52, under "Search Class", add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 82 for generator systems having pressure varied resistors in the generator field circuit.

in subclass 61, under "Search Class", cancel the reference to class 171 and add:

171—ELECTRICITY—GENERATION, appropriate subclasses, for generator structure.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, appropriate subclasses, for systems of generator control in general.

in subclass 62, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 10+ for generator starting and/or stopping systems.

in subclass 64, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 59+ for generator field winding circuit control.

in subclass 65, under "Search Class", cancel the reference to class 171 and add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 63+ for generator systems having plural field windings.

in subclass 66, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 64 for generator systems having differentially related field windings.

in subclass 67, under "Search Class", cancel the reference to 171 and substitute:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 86+ for other generator systems wherein an auxiliary source of electromotive force is provided in the field circuit of the generator.

in subclass 68, under "Search Class", cancel the reference to 171 and substitute:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 75+ for other generator systems wherein the generator field circuit is controlled by impedance.

in subclass 69, add:

Search Class—

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 83+ for other generator systems wherein the field circuit is controlled by short circuiting a resistance.

in subclass 70, under "Search Class", cancel the reference to 171 and add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 82 for other generation systems wherein the field circuit is controlled by a pressure varied resistance.

in subclass 71, under "Search Class", cancel the reference to 171 and add in numerical order:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 91 for generation systems wherein armature windings are short circuited and subclass 94 for generation systems with armature circuit making and breaking.

in subclass 72, add:

Search Class—

171—ELECTRICITY—GENERATION, appropriate subclasses, for generators per se having structure control.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 49+ for generator systems having generator structure control.

MARK TAYLOR,
Acting Executive Primary Examiner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following patents have been offered for licensing on reasonable terms by Adiel Y. Dodge, % A. Y. Dodge Co., 307 South Main St., Rockford, Ill.

These patents are registered as Nos. 5,982 to 6,011 inclusive.

Pat. 2,167,171. TRANSMISSION BRAKE. Patented July 25, 1939. Group 38—31.

Pat. 2,206,742. BRAKE. Patented July 2, 1940. Group 38—31.

Pat. 2,263,263. BRAKE. Patented Nov. 18, 1941. Group 38—31.

Pat. 2,340,113. MASTER CYLINDER AND PISTON CONSTRUCTION. Patented Jan. 25, 1944. Group 38—31.

The four patents listed above relate to hydraulic brakes. Their construction permits a rapid initial "take-up" movement of the brakes followed by a powerful application of the brakes without any sudden change in pedal pressure, shock, or grabbing of the brakes. A single expansible and contractible actuating band is provided for causing movement of a plurality of brake band segments toward and from a cylindrical braking surface. With this construction no adjustment of the brakes is necessary during the life of the brake lining. One embodiment of the master cylinder and piston construction comprises a low pressure cylinder and a high pressure cylinder, both cylinders being operatively connected together. Other embodiments are shown.

Pat. 2,238,583. COUPLING. Patented Apr. 15, 1941. Torque transmitting coupling comprising driving and driven members will automatically release when the torque load reaches or exceeds a predetermined value and will not re-engage until the load drops materially below that value. It may be adjusted to release under various torque loads, and permit slight angular misalignment of the shafts, if desired. Cammed plungers (or balls) carried by the driven member are normally urged outwardly into driving engagement into grooves in the driving member. Groups 35—66—69; 38—31.

Pat. 2,340,368. AUTOMATIC CLUTCH. Patented Feb. 1, 1944. Clutch comprising inner and outer members for connecting two shafts automatically moves into and out of driving engagement in response to speed variations. Pivoted pawls on the inner member move outwardly in response to centrifugal force to engage ratchet teeth in the outer member. A slotted sleeve having a lost motion connection will move so that its solid portions will overlie the pawls in their retracted position when rotation of the inner member is reversed. The clutch may be manually disengaged by momentarily relieving torque and magnetizing the inner member which will withdraw and hold the pawls in their retracted position. Groups 35—66—69; 38—31.

Pat. 2,366,841. COUPLING. Patented Jan. 9, 1945. Coupling for transmitting torque equally well in either direction will disengage when torque load reaches or exceeds a predetermined value and will automatically re-engage upon removal of torque overload and subsequent synchronisation of the parts. When released a very light slipping load results. Th coupling comprises a positive toothed type of clutch and cam mechanism arranged in series in torque transmitting relationship with a driving and driven shaft. The end of one shaft is journaled in the other shaft. The cam mechanism operates to engage and disengage the clutch. Groups 35—66—69; 38—31.

Pat. 2,371,227. FLUID CLUTCH. Patented Mar. 13, 1945. Fluid clutch of the planetary gear type for connecting two shafts comprises essentially a gear set and a simple control valve. The valve is coaxial with the driving and driven shaft and is slidable axially thereof to control clutch operation. Inlet and outlet ports are formed in the sides of the gear housing and communicate with the ends of the gear teeth. These ports are preferably at opposite ends of the gear teeth so that fluid flows completely across the gears. Groups 35—66—69; 38—31.

Pat. 2,383,295. CLUTCH. Patented Aug. 21, 1945. Clutch for connecting coaxial inner and outer members cannot be engaged until rotation of the parts is synchronized. The clutch which may be either the positive or semi-positive type can be disengaged regardless of torque load. A non-rotatable collar slidable on the outer member may be shifted either manually or by any suitable automatic means to engage and disengage the clutch. A blocking ring and other associated mechanism including a one-way clutch prevents shifting of the collar for engaging the clutch until the parts are synchronized. Groups 35—66—69; 38—31.

Re. 22,682. CLUTCH. Reissued Oct. 16, 1945. (Original No. 2,355,710, dated Aug. 15, 1944.) Groups 35—66—69; 38—31.

Pat. 2,398,087. OVERSPEED RELEASE CLUTCH. Patented Apr. 9, 1946. Groups 35—66—69; 38—31.

The two patents listed above relate to centrifugal clutches having friction shoes connected by linkage to weights. When predetermined speed is reached or exceeded the clutch shown in Reissue #22,682 will engage while the clutch shown in Patent #2,398,087 will disengage. An opposing spring, linkage and other operatively associated mechanism for normally urging the weights inwardly are constructed and arranged so that the mechanical advantage between the weights and spring will change as the weights move in and out. The maximum mechanical advantage of the weights over the springs occurs when the weights have reached their extreme outermost position due to change in the angle of the linkage. A higher speed is required to move the weights outwardly than is necessary to maintain them in this position.

Pat. 2,098,378. AIR-CIRCULATING EQUIPMENT. Patented Nov. 9, 1937. Group 35—84.

Pat. 2,197,492. AIR CONDITIONING SYSTEM. Patented Apr. 16, 1940. Group 35—84.

In the two patents listed above, air to be conditioned is compressed, cooled, and gradually expanded (with entrained moisture separated out) prior to its discharge into an enclosure. Each unit utilises a vaned rotor. In one embodiment the rotor is placed in a casing which is of restricted diameter at its center with lobes at opposite

sides to provide a compressor chamber at one side of the casing and an expander chamber at the opposite side. Water sprayed into and circulated through the casing seals the ends of the rotor blades when the rotor spins. The spaces between the blades of the spinning rotor vary so that inflowing air is compressed in one chamber and expanded into the other. If desired, the compressed air may be conducted from the compressor and over a cooling coil before being discharged into the expander chamber. In another embodiment the casing may be divided into two separate chambers with separate rotors therein on a common shaft.

Pat. 2,141,855. AIR CONDITIONING SYSTEM. Patented Dec. 27, 1938. In this unit air is conditioned and circulated through a building by a centrifugal fan or blower encased in a spiral jacketed wall through which a cooling medium is circulated. Water may be sprayed from the fan shaft into the path of the air. A radiator in the inlet end of the blower is connected to the jacketed wall to receive cooling medium therefrom. The air is subjected to centrifugal force during its entire movement through the casing. Condensate and the sprayed water are collected on the spiral wall and removed by any suitable means. When water is the cooling medium employed, the radiator is preferably connected to a discharge pipe to spray the roof of the building. Group 35—84.

Pat. 2,364,279. AIR-CONDITIONING APPARATUS. Patented Dec. 5, 1944. In this unit air is conditioned by a fan having hollow blades through which a cooling medium is circulated. Condensate collecting on the blades is thrown outwardly by centrifugal force into angularly positioned troughs on the ends of the blades and then laterally from the troughs into an annular channel in the fan casing, thus removing the condensate from the path of the air being conditioned. The blades are mounted on a hollow shaft. Each blade has a partition which terminates short of its outer end and divides the blade into two communicating chambers. These chambers communicate with the interior of the shaft through suitable ports so that the cooling medium will flow outwardly through one chamber and then inwardly through the other chamber. Group 35—84.

Pat. 2,401,557. BEARING CONSTRUCTION. Patented June 4, 1946. Bearing construction is capable of absorbing straight radial loads or combined radial and thrust loads. A series of relatively narrow rollers having barrel shaped rolling surfaces and flat end surfaces are employed between a pair of coaxial races. The rollers are supported and guided from their end surfaces. A cage having flat side members engages the roller ends to guide them for free rolling movement with the races and to limit their tilting movement to prevent scuffing of the races. The rollers occupy a minimum of space and may be employed to carry relatively large bearing loads. Group 35—66—69.

Pat. 1,961,964. ELECTRIC LAMP. Patented June 5, 1934. Electric bulb particularly useful in automobile headlights has a reflector shield inside the bulb to increase its lighting qualities and minimize glare. The shield which may be positioned in front of the filament on the glass post from which the filament extends intercepts forwardly directed rays and reflects them back toward and through the light source where they strike the usual headlight reflector at such an angle as to be forwardly directed as substantially parallel rays. The sides of the shield are cut away to permit a certain amount of forward and side illumination, and a hole in the shield permits direct forward illumination to reduce the shadow cast by the shield. Groups 36—51; 88—31.

Pat. 1,983,124. ELECTRIC SWITCH. Patented Dec. 4, 1934. Mercury switch for opening and closing two separate circuits. When tilted to the right or left the circuits are alternately opened or closed. When the switch is level or in neutral position both circuits are open. In one embodiment the switch comprises a C-shaped sealed glass tube containing mercury with a central contact and a separate contact at each end so that when level the mercury breaks up into three separated bodies in which the three contacts are immersed respectively. Group 36—19.

Pat. 2,069,820. STERILIZING PROCESS. Patented Feb. 9, 1937. Group 36—99.

Pat. 2,082,445. MACHINE FOR STERILIZATION BY COMPRESSION. Patented June 1, 1937. Group 36—99.

The two patents listed above show a machine and process for automatic and continuous sterilization of liquids by compression which does not require the expenditure of a large amount of energy. To render the sterilization process more effective, CO_2 is mixed with a charge of fluid as it is conducted into a compression chamber of the machine and an electric current is passed through the liquid while it is being compressed. Saving in the expenditure of energy is achieved by subjecting the liquid to high pressure against a yielding spring loaded piston which moves outwardly and stores up energy in the spring. Energy thus stored, as well as that stored in the compressed liquid, is returned to the compressor piston during its outward stroke. Two valves of the compressor chamber automatically open so that a new charge admitted under pressure will force the previously treated charge into a suitable reservoir.

Pat. 1,927,597. SPEED INDICATOR. Patented Sept. 19, 1933. Instrument may be used as a remote tachometer when it is difficult to gain access to a rotating shaft or the like to determine its speed. The instrument gives an audible or tactual signal at the end of each revolution of its shaft, the speed of which may be varied and indicated. Preparatory to determining the speed of a selected shaft, indicia (or a mark) is placed thereon which will appear and disappear from view as the shaft rotates. The operator holds the instrument in one hand and observes the indicia, meanwhile turning a speed-adjusting screw of the instrument to synchronize the frequency of its signal with the frequency of the indicia, thereby synchronizing the speed of the selected shaft and the shaft of the instrument. Group 39—11.

Pat. 2,138,143. AIR CONDITIONING SYSTEM. Patented Nov. 29, 1938. In this unit an injector operated by water under pressure from a city main or other source functions to both compress and cool the air. Following compression the air is gradually expanded whereby its temperature is reduced and the air and water separated by centrifugal force. The separated air is conducted into a centrifugal drier wherein expansion of the air is completed and any entrained water or moisture is removed prior to discharge of the air into an enclosure. A discharge line for the liquid is provided with a spring pressed valve for maintaining a predetermined discharge pressure. The injector water separated from the air may be reconducted to the injector or diverted for other uses after its pressure has been increased by use of a second ejector. Group 35—84.

Pat. 2,371,228. TORQUE TRANSMISSION. Patented Mar. 13, 1945. Groups 35—66—69; 38—31.

Pat. 2,371,229. TORQUE TRANSMISSION. Patented Mar. 13, 1945. Groups 35—66—69; 38—31.

Pat. 2,404,623. TORQUE TRANSMITTING MECHANISM. Patented July 23, 1946. Groups 35—66—69; 38—31.

The three patents listed above relate to fluid displacement transmissions employing a plurality of planetary gear sets. Torque is transmitted through one or more of the gear units which act both as reduction gears and fluid clutches. The gears of each unit are enclosed and provided with inlet and outlet ports so that each unit functions as a pump. Shiftable valves are provided for controlling the inlet and outlet ports. When the flow of fluid through the gears is obstructed they will lock to transmit torque.

Pat. 2,011,101. VARIABLE SPEED TRANSMISSION. Patented Aug. 13, 1935. Transmission includes a planetary gear and a one-way reactance clutch in series, whereby

two torque multiplications may be secured, one due to the usual torque multiplication of the planetary gearing, the other due to impulse action of the transmission in combination with the one-way clutch. Flow of fluid is controlled to vary speed ratio by the action of centrifugal force. Groups 35—66—69; 38—31.

Pat. 2,318,471. FRICTION TOROIDAL TRANSMISSION. Patented May 4, 1943. Transmission is particularly well suited for use in conjunction with power tools whose requirements vary from a fraction to more than one horsepower. It has a minimum number of parts and may be formed largely from sheet metal stampings or pressings. Wide variation in speed and torque ratios may be obtained by adjusting the angle of the friction rollers by merely turning a worm mechanism. Groups 35—66—69; 38—31.

Pat. 2,164,504. VARIABLE SPEED TRANSMISSION. Patented July 4, 1939. This patent relates to a friction toroidal transmission. The transmission includes friction and gear units so connected that the friction unit will be compelled to carry only a small part of the transmitted torque. The friction and gear units are preferably connected in series multiple, that is, both the driving and driven members of the friction unit are connected to different elements of the gear unit. Optimum pressure is maintained between the parts regardless of variations of position thereof due to varying speed ratios. Groups 35—66—69; 38—31.

Pat. 2,086,491. VARIABLE SPEED TRANSMISSION. Patented July 6, 1937. Friction toroidal type transmission employs grooved driving and driven wheels and friction rollers to transmit drive therebetween. The rollers may be simultaneously adjusted to vary the transmission ratio, one or more of the rollers being preferably independently adjustable with respect to the others to permit proper alignment of the rollers. The rollers are mounted for limited movement along their rotational axes to permit self-alignment, preferably being resiliently urged axially to assure wedging contact with the wheels. Groups 35—66—69; 38—31.

Pat. 2,006,160. VARIABLE SPEED TRANSMISSION. Patented June 25, 1935. Patent relates to variable transmission of the mass inertia impulse type. It produces positive and negative driving impulses and includes a planetary unit with counterweighted planet and subplanet gears. The counterweights of the planets are arranged so that positive driving impulse due to centrifugal force about the main center and those about the planet center act substantially simultaneously to advance the ring gear. Reactance means are provided to arrest the negative impulses of the counterweights. Circulation of lubricant is utilized as hydraulic means to assist the function of certain parts. Groups 35—66—69; 38—31.

Pat. 2,379,119. INTERNAL-COMBUSTION ENGINE. Patented June 26, 1945. Comprises an elongated, generally cylindrical housing preferably formed of two main abutting sections bolted together. A propeller shaft projects centrally and longitudinally through the housing. A plurality of open-ended cylinders formed in the abutting end of each section are disposed parallel with the propeller shaft and grouped about a circle concentric therewith for pairs of opposed pistons. A common firing chamber is formed in the cylinders between each pair of pistons. Anti-friction wobble plate units are secured on the propeller shaft behind the cylinders and connected to the piston connecting rods. With this arrangement the housing may be of relatively small diameter and shaped to offer minimum wind resistance. (Owners) Jesse D. Tucker and Boine W. Fuller, 1120 Ravenna, Wilmington, Calif. Groups 35—19; 37—22. Reg. No. 6,012.

Pat. 2,410,162. AGITATOR FOR LIQUID COOLING SYSTEMS. Patented Oct. 29, 1946. Device consists of a cylinder and piston with a short section of hose attached thereto. Hose is provided with a specially designed detachable coupling for easy connection to and from the neck of an automobile radiator. When piston is manually reciprocated after connection to radiator, water is repeatedly withdrawn from and expelled back into the radiator to loosen dirt, rust, etc., which is carried away when radiator is drained. (Owner) Joseph H. Horan, 15 East 199th St., Bronx 58, N. Y. Group 38—31. Reg. No. 6,013.

Pat. 2,419,872. TOY. Patented Apr. 29, 1947. Wheeled toy has a hollow body comprising a thick table top with downwardly extending sides and end walls. A series of cylindrical openings are formed in the top to receive and guide a plurality of plug-shaped figure bodies. When toy is pulled or pushed, the figures will alternately bob up and down as well as revolve. Discs eccentrically mounted on the axles engage the bottom of the figures to impart vertical and rotational movement thereto. (Owner) Samuel L. Beder, % Irwin F. Mills Associates, 19 West 44th St., New York 18, N. Y. Groups 39—41; 40. Reg. No. 6,014.

Des. 145,504. DESIGN FOR A POUNDING TOY. Patented Sept. 3, 1946. (Owner) Samuel L. Beder, % Irwin F. Mills Associates, 19 West 44th St., New York 18, N. Y. Groups 39—41; 40. Reg. No. 6,015.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 22, 1947

[VOL. 600. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 505,937. CHESNEY S. JAMES, New Westminster, British Columbia, Canada. Filed July 2, 1946.

ATOMIC BLUE

No claim is made to the word "Blue" except in the association shown.

FOR RAW AND FINISHED FUR SKINS, AND LIVE MINK.

Claims use since Nov. 13, 1945.

Ser. No. 508,807. OMNI PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 10, 1946.

OMNI

FOR THERMOPLASTIC MOLDING COMPOUNDS, CAST RESINS, OIL SOLUBLE RESINS, AND SYNTHETIC RESINS IN GENERAL, SOLD IN THE FORM OF POWDER, GRANULES, SHEETS, RODS, AND LIQUIDS, USED IN THE TEXTILE, LACQUER AND VARNISH, PAPER, AND PLYWOOD INDUSTRIES.

Claims use since 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 501,731. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed May 9, 1946.

Glim

FOR NON-IONIC CHEMICAL LIQUID DETERGENTS.

Claims use since Apr. 2, 1946.

Ser. No. 508,428. A. ARTHUR JAFFE, doing business as Mighty Foam Co., Scranton, Pa. Filed Sept. 3, 1946.



FOR CLEANING PREPARATIONS FOR CLEANING UPHOLSTERY AND RUGS

Claims use since July 10, 1946.

Ser. No. 508,715. VIOLET CLAYSON, doing business as Figaro Mfg Co., Grand Rapids, Mich. Filed Sept. 9, 1946.

figaro

FOR SHAVING CREAM.
Claims use since Aug. 15, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 476,879. ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y. Filed Nov. 25, 1944.

CHEREX

FOR PREPARATION FOR THE TREATMENT AND RELIEF OF COUGHS DUE TO COLDS
Claims use since on or about Sept. 18, 1940.

Ser. No. 486,504. RUDELLE LABORATORIES, Chicago, Ill. Filed July 30, 1945.

Rudelle's

FOR PREPARATION FOR ACNE, ITCH, ECZEMA, POISON IVY, FROST BITES, INSECT BITES, CHAPPED HANDS, SUN BURN, WIND BURN, TIRED AND ACHING FEET, CALLOUSES, TRENCH FEET, HEMORRHOIDS, SORE THROAT, HOARSENESS, TICKLING OF THE THROAT, COUGHS AND TONSILITIS.
Claims use since 1918.

Ser. No. 488,859. I. F. LAUCKS, INC., Seattle, Wash., assignor to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware. Filed Sept. 22, 1945.

LAUXIDE

FOR INSECTICIDE IN POWDERED AND LIQUID FORM.
Claims use since Jan. 19, 1945.

Ser. No. 489,740. RAYMOND T. KAUPP, Portland, Oreg. Filed Oct. 10, 1945.



The mark comprises a blue shield with white stars and lettering in red and white. The words "Protective Jelly" are disclaimed apart from the mark.
FOR MEDICINAL OINTMENT FOR THE PREVENTION OF VENEREAL DISEASE.
Claims use since Sept. 26, 1945.

Ser. No. 492,965. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 8, 1945.

MULTI-KAPS

FOR VITAMIN CAPSULES.
Claims use since June 1945.

Ser. No. 493,842. SOUTHWESTERN DDT CORPORATION, Dallas, Tex. Filed Dec. 22, 1945.

DE-PESTER

FOR INSECTICIDE.
Claims use since Dec. 1, 1945.

Ser. No. 494,243. TURNER HALL CORPORATION, New York, N. Y. Filed Jan. 3, 1946.

Eska

FOR HAIR WAVING PREPARATIONS—NAMELY, HAIR WAVING SOLUTION AND NEUTRALIZING SOLUTION.
Claims use since Apr. 5, 1943.

Ser. No. 495,553. MONARCH CHEMICAL COMPANY, New Orleans, La. Filed Jan. 28, 1946.

SPRITZ

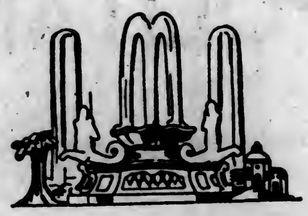
FOR INSECTICIDES.
Claims use since Oct. 8, 1945.

Ser. No. 496,887. COMMANDITAIRE VENNOOTSCHAP CHEMISCHE FABRIEK RIDS, Ijmuiden, Holland. Filed Feb. 19, 1946.

PITS

FOR DEODORANTS, DISINFECTANTS, CHEMICAL PRODUCTS FOR DESTROYING AND REPELLING INSECTS AND OTHER HARMFUL ORGANISMS; PREPARATIONS FOR THE CARE OF AND FOR BEAUTIFYING THE SKIN, HAIRS, LIPS, NAILS, AND EYEBROWS; PREPARATIONS FOR CLEANING MOUTH AND TEETH, AND PREPARATIONS FOR REGULATING THE CIRCULATION AND DEFEATING INFECTION.
Claims use since Nov. 29, 1940.

Ser. No. 496,891. COMMANDITAIRE VENNOOTSCHAP CHEMISCHE FABRIEK RIDS, Ijmuiden, Holland. Filed Feb. 19, 1946.



FOR PAIN-STILLING PHARMACEUTICAL PRODUCTS; CHEMICAL PRODUCTS FOR REPELLING AND DESTROYING INSECTS AND OTHER HARMFUL ORGANISMS; CHEMICAL PREPARATIONS FOR DISINFECTING THE HUMAN BODY, ANIMALS, LIVING AND WORKING ROOMS, CLOTHING, FURNITURE, TOOLS AND INSTRUMENTS; CHEMICAL PREPARATIONS FOR DEODORIZING THE AIR AND THE ODOR OF HUMAN AND ANIMAL BODIES; VANISHING CREAMS, COLD CREAMS, CLEANSING CREAMS, MAKE-UP CREAMS, ROUGES, LIPSTICKS, EYESHADOWS, NAIL POLISHES, NAIL POLISH REMOVERS, FACE POWDERS, TALCUM POWDERS, HAIR SHAMPOOS, TOOTH PASTES, TOOTH POWDERS, PERFUMES, COLOGNES, HAND LOTIONS, FACE LOTIONS, AND HAIR TONICS.
Claims use since Mar. 8, 1941.

Ser. No. 499,072. PLANT PRODUCTS CORPORATION, Blue Point, N. Y. Filed Mar. 27, 1946.

P-40

FOR INSECTICIDE CONTAINING COMPOUNDS USEFUL AS A FERTILIZER.
Claims use since Feb. 28, 1945.

Ser. No. 499,246. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Mar. 29, 1946.

ALPHA-BETA-DELTALIN

The words "Alpha" and "Beta" are disclaimed apart from the mark.
FOR MEDICINAL PREPARATION CONTAINING MEASURED UNITS OF VITAMINS A, B_1, B_2, AND D.
Claims use since July 2, 1940.

Ser. No. 500,563. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J. Filed Apr. 19, 1946.



FOR VAGINAL CREAMS AND JELLIES, ANTISEPTIC PREPARATIONS FOR FEMININE HYGIENE, AND THERAPEUTIC PRODUCTS FOR USE IN THE MANAGEMENT OF MENOPAUSE.
Claims use since Aug. 28, 1944.

501,676. JOHN W. MURPHY, doing business as Murphy Laboratories, Upper Darby, Pa., assignor to Murphy Laboratories Inc., Upper Darby, Pa. Filed May 8, 1946.

YOUTHCRAFT

FOR BATH OIL.
Claims use since April 1944.

Ser. No. 503,980. DOW CORNING CORPORATION, Midland, Mich. Filed June 15, 1946.

SILANEAL

FOR COMPOSITIONS CONSISTING OF OR CONTAINING ORGANO POLYSILOXANES FOR TREATING NON-WATER-REPELLENT MATERIALS TO RENDER THE SAME WATER-REPELLENT.
Claims use since February 1945.

Ser. No. 503,995. PRIMROSE HOUSE, INC., New York, N. Y. Filed June 15, 1946.

Chiffon

FOR FACE POWDERS, ROUGE, SKIN CREAMS, PERFUMES, COLOGNES, DUSTING POWDERS, MAKE-UP BASE, LEG MAKE-UP, LOTIONS FOR CLEANING, SOFTENING, AND BEAUTIFYING THE SKIN, CAKE MAKE-UP, AND LIPSTICKS.
Claims use since 1921 on face powder; since 1937 on rouge, skin creams; since 1938 on perfumes, colognes, dusting powders; since 1943 on make-up base, leg make-up; since April 1945 on lotions; since May 1945 on cake make-up, and since June 7, 1946, on lipsticks.

Ser. No. 505,501. LENNI LABORATORIES, Philadelphia and Lenni, Pa. Filed July 12, 1946.

Queal

FOR HAND LOTION, SKIN LOTION, AND SUNBURN LOTION.
Claims use since May 15, 1946.

Ser. No. 505,546. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed July 13, 1946.

LELANI

FOR FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, PADS CHEMICALLY IMPREGNATED WITH A CREAM OR LOTION FOR USE IN CLEANSING THE FACE, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, TALCUM POWDER, NAIL POLISH REMOVER, PADS IMPREGNATED WITH LIQUID NAIL POLISH REMOVER, CUTICLE SOFTENER, CUTICLE REMOVER, HAND LOTIONS, NAIL POLISHES, HAND CREAMS, HAIR WAX, PADS IMPREGNATED WITH LACQUER FOR USE IN DRESSING THE HAIR, HAIR TONICS, HAIR OIL, BRILLIANTINE (SOLID AND LIQUID), SHAMPOOS, HAIR WAVE LOTIONS, HAIR BLEACHES, POMADES (IN POTS, STICKS AND CAKES), EYEBROW PENCIL, MASCARA, EYE SHADOW, TOILET WATER, PERFUME, CREAM COLOGNE, EAU DE COLOGNE, BATH SALTS, SMELLING SALTS, SACHET POWDERS, DUSTING POWDER, DEODORANTS (LIQUID AND CREAM FORM), PADS IMPREGNATED WITH LIQUID AND CREAM DEODORANTS AND DEPILATORIES IN SOLID, CAKE AND LIQUID FORM.
Claims use since June 20, 1946.

Ser. No. 505,838. IMEX CORPORATION, Camden, N. J. Filed July 18, 1946.

POLITAN

FOR PREPARATION FOR TANNING LEATHER.
Claims use since June 5, 1946.

Ser. No. 505,839. IMEX CORPORATION, Camden, N. J. Filed July 18, 1946.

RESTAN

FOR PREPARATION FOR TANNING LEATHER.
Claims use since June 5, 1946

Ser. No. 506,261. KURT R. PETERSON, doing business under the name La-Ray Products, Elgin, Ill. Filed July 25, 1946.



Applicant disclaims the outline of the label as shown. The outline of the female figure shown is fanciful.
FOR CREAM OIL HAIR DRESS AND OIL SHAMPOOS.
Claims use since Mar. 25, 1946.

Ser. No. 506,536. PIERRE LENOIR, doing business as Erilon S. A. R. L., Paris, France. Filed July 30, 1946.

Erilon

FOR PERFUME, ROUGE, DENTIFRICE, TOILET WATER, POWDER, AND LIPSTICK.
Claims use since Jan. 30, 1946.

Ser. No. 506,557. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed July 30, 1946.

TENITE

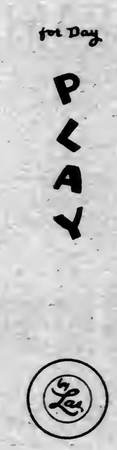
FOR CHEMICAL COMPOSITION COMPRISING CELLULOSE ORGANIC ACID ESTER OR MIXED ESTER, IN SOME CASES PLASTICIZER, PIGMENT OR DYE, HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Nov. 30, 1932.

Ser. No. 506,668. MAMIE LAMPKIN JONES, Atlanta, Ga. Filed Aug. 1, 1946.

TRUINE TEST TELL

Applicant disclaims the use of the words "Test Tell" apart from the mark.
FOR HAND LOTION, HAIR POMADE, AND COLD CREAM.
Claims use since Aug. 9, 1928.

Ser. No. 507,863. LOUIS A. STERN, doing business as Las, Los Angeles, Calif. Filed Aug. 22, 1946.



No claim is made to the word "Las" apart from the mark as shown.
FOR COLOGNE.
Claims use since Mar. 15, 1946.

Ser. No. 508,208. THE CHAIR-LOC COMPANY, Freeport, N. Y. Filed Aug. 29, 1946.

CHAIR-LOC

The representation of the chair and rung and the term "Chair" are disclaimed apart from the mark as shown.
FOR LIQUID CHEMICAL PRODUCTS FOR USE IN TIGHTENING LOOSE CHAIR RUNGS AND LEGS, TOOLS AND SIMILAR HANDLES TO WOODEN OR METAL PARTS.
Claims use since on or about Apr. 18, 1946.

Ser. No. 508,545. PARFUMS VERLAYNE, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France. Filed Sept. 5, 1946.

Lumière de PARIS

The word "Paris" is disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Nov. 29, 1945.

Ser. No. 509,517. JOHN H. KEARES, Ephrata, Pa. Filed Sept. 21, 1946.

KRANIO

FOR HAIR TONIC, HAIR OINTMENT, AND HAIR SALVE.
Claims use since Sept. 9, 1946.

Ser. No. 509,532. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 21, 1946.

PENNSALT

FOR INSECTICIDES.
Claims use since Apr. 22, 1946.

Ser. No. 509,533. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 21, 1946.

Knox-Out

FOR HERBICIDES.
Claims use since Aug. 5, 1946.

Ser. No. 509,559. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed Sept. 23, 1946.

'THEOBA'

FOR SEDATIVE, VASODILATOR, CARDIOTONIC AND DIURETIC; USED IN THE SYMPTOMATIC TREATMENT OF HIGH BLOOD PRESSURE AND CERTAIN HEART CONDITIONS.
Claims use since Sept. 3, 1946.

Ser. No. 509,593. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Sept. 23, 1946.

AMINO-VIBEX

The word "Amino" is disclaimed apart from the mark.
FOR PREPARATION OF AMINO ACIDS AND VITAMINS.
Claims use since Aug. 27, 1946.

Ser. No. 509,924. CUTIN LABORATORIES, Cranford, N. J. Filed Sept. 28, 1946.

QUTIN

FOR MEDICINALS FOR FUNGUS INFECTIONS, RINGWORM, ATHLETE'S FOOT, EPIDERMOPHYTOSIS, AND THE LIKE.
Claims use since Aug. 12, 1945.

Ser. No. 510,079. GILCO LABORATORIES, Los Angeles, Calif. Filed Oct. 2, 1946.

NIAPRIN

FOR DRUG TABLETS TO RELIEVE PAIN, HEADACHES AND NEURALGIA.
Claims use since Aug. 26, 1946.

Ser. No. 510,191. LEE NUSBAUM, doing business as Pennsylvania Engineering Company, Philadelphia, Pa. Filed Oct. 3, 1946.

ODOLOST

FOR DEODORANTS DISPENSED IN AIR COLLOID, SPRAY, OR EVAPORATIVE FORM.
Claims use since Sept. 18, 1946.

Ser. No. 511,555. INTER-HAMOL S. A., Zurich, Switzerland. Filed Oct. 26, 1946.

VITAMOL

FOR TOILET CREAM AND LOTIONS FOR THE FACE AND HANDS.
Claims use since 1935.

Ser. No. 511,836. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 31, 1946.

RETENTJN

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Oct. 16, 1946.

Ser. No. 511,873. GEIGY COMPANY, INC., New York, N. Y. Filed Nov. 1, 1946.

PARPANIT

FOR ANTISPASMODICUM, I. E., A PREPARATION FOR RELIEVING CONVULSIONS OR SPASMS.
Claims use since Oct. 2, 1946.

Ser. No. 511,904. SOCIÉTÉ ANONYME DES ETABLISSEMENTS ROURE-BERTRAND FILS ET JUSTIN DUPONT, Paris, France. Filed Nov. 1, 1946.



FOR SYNTHETIC OILS AND AROMATIC CHEMICALS USED IN THE PRODUCTION OF PERFUMES.
Claims use since Mar. 10, 1904.

Ser. No. 511,905. SOCIÉTÉ ANONYME DES ETABLISSEMENTS ROURE-BERTRAND FILS ET JUSTIN DUPONT, Paris, France. Filed Nov. 1, 1946.

PRIMABSOLUE

FOR CONCENTRATED NATURAL FLOWER OILS, CONCENTRATED NATURAL FLOWER ESSENCES, AND CONCENTRATED NATURAL FLOWER EXTRACTS.
Claims use since May 4, 1923.

Ser. No. 511,915. VIC-CHAR CHEMICAL COMPANY, Minneapolis, Minn. Filed Nov. 1, 1946.

Vic-Char

FOR HAIR TONIC.
Claims use since July 1, 1925.

Ser. No. 512,493. ELGIN LABORATORIES, INC., New York, N. Y. Filed Nov. 13, 1946.

THREE CHEERS

FOR PREPARATION FOR THE TREATMENT OR CORRECTION OF DRUNKENNESS AND HANGOVERS, AND TO RELIEVE THE DISCOMFORTS RESULTING FROM OVERINDULGENCE IN FOOD OR DRINK.
Claims use since June 18, 1946.

Ser. No. 512,513. LANTEEN MEDICAL LABORATORIES, INC., Chicago, Ill. Filed Nov. 13, 1946.

Pyridex

FOR PREPARATION IN TABLET FORM USED FOR RELIEF FROM RADIATION SICKNESS, FOR THE NAUSEA AND VOMITING OF PREGNANCY, DERMATOLOGIC CONDITIONS AND FOR THE TREATMENT OF PELLAGRA AND BERIBERI.
Claims use since Oct. 10, 1946.

Ser No. 512,744. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Nov. 16, 1946.

GENTLEMEN'S AGREEMENT

FOR LIPSTICKS.
Claims use since Oct. 15, 1946.

Ser. No. 512,753. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 16, 1946.

TRESANONE

FOR RECTAL SUPPOSITORY.
Claims use since Oct. 29, 1946.

Ser. No. 512,754. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 16, 1946.

TRESANOIN

FOR RECTAL SUPPOSITORY.
Claims use since Oct. 29, 1946.

Ser. No. 512,993. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 21, 1946.

PENLEVEL

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Nov. 8, 1946.

Ser. No. 512,994. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 21, 1946.

TYROKETS

FOR LOZENGE OR TROCHE, PARTICULARLY AN ANTISEPTIC LOZENGE OR TROCHE.
Claims use since Nov. 8, 1946.

Ser. No. 514,182. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Dec. 13, 1946.

NIBLIC

FOR AFTER SHAVE LOTION.
Claims use since Nov. 22, 1946.

Ser. No. 514,785. SUN OIL COMPANY, Philadelphia, Pa. Filed Dec. 24, 1946.

SUNWAX

"Wax" is disclaimed apart from the mark.
FOR MICROCRYSTALLINE AND CRYSTALLINE PETROLEUM WAX AND HAVING A GENERAL USE IN INDUSTRY.
Claims use since February 1945.

Ser. No. 515,203. SUN OIL COMPANY, Philadelphia, Pa. Filed Jan. 2, 1947.

SUN MICROWAX

"Microwax" is disclaimed apart from the mark.
FOR MICROCRYSTALLINE PETROLEUM WAX AND HAVING A GENERAL USE IN INDUSTRY.
Claims use since May 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 510,118. SPARTA PIPES, INC., Sparta, N. C. Filed Oct. 2, 1946.

KING DAVID

FOR SMOKERS' PIPES AND PARTS THEREFOR.
Claims use since September 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 489,114. GOLD LEAF AND METALLIC POWDERS CO., New York, N. Y., assignor to Gold Leaf and Metallic Powders Inc., New York, N. Y. Filed Sept. 28, 1945.

SWAN



FOR BRONZE POWDER, ALUMINUM POWDER, COPPER POWDER, MAGNESIUM POWDER, METALS OF ALL TYPES IN POWDERED FORM, ALL OF AFOREMENTIONED METAL POWDERS BEING USED FOR MAKING INKS, ALUMINUM PASTE FOR MAKING INKS, IMITATION TRANSFER GOLD LEAF, AND IMITATION TRANSFER SILVER LEAF.
Claims use since Aug. 1, 1944.

Ser. No. 501,469. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J., now by change of name Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey. Filed May 4, 1946.

NOPCOWET

FOR WETTING AGENT FOR PIGMENTS USED IN THE MANUFACTURE OF INKS AND INKING MATERIALS.
Claims use since Nov. 19, 1940.

Ser. No. 503,611. H. STEELS Y CIA., S. A., Mexico City, Mexico. Filed June 10, 1946.

HASTE

FOR PRINTING INK, WRITING INK, INK OILS, CARBON PAPER, TYPEWRITER RIBBONS, AND TRANSFER SHEETS FOR MANIFOLD WORK.
Claims use since June 15, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 483,939. SVENSKA CELLULOSA AKTIEBOLAGET, Stockholm, Sweden. Filed May 29, 1945.

SCA

FOR SAWED AND PLANED LUMBER, BUILDING PAPER, AND COMPOSITION WALL BOARD.
Claims use since 1941.

Ser. No. 517,621. DEL-LOY, INC., Grand Rapids, Mich. Filed Feb. 17, 1947.

TROPICAL

FOR FOLDING METAL AWNINGS.
Claims use since Nov. 15, 1946.

Ser. No. 518,183. WESTERN WATERPROOFING COMPANY, St. Louis, Mo. Filed Feb. 26, 1947.

DILATO

FOR MORTAR.
Claims use since Feb. 7, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 504,982. PHILIP S. LASDON, doing business as Reduction and Refining Company, Newark, N. J. Filed July 2, 1946.

X

FOR HYDROGEN REDUCED TUNGSTEN METAL POWDER AND HYDROGEN REDUCED COBALT METAL POWDER.
Claims use since Aug. 27, 1942.

Ser. No. 504,983. PHILIP S. LASDON, doing business as Reduction and Refining Company, Newark, N. J. Filed July 2, 1946.

XX

FOR HYDROGEN REDUCED TUNGSTEN METAL POWDER AND HYDROGEN REDUCED COBALT METAL POWDER.
Claims use since Aug. 27, 1942.

Ser. No. 504,984. PHILIP S. LASDON, doing business as Reduction and Refining Company, Newark, N. J. Filed July 2, 1946.

XXX

FOR HYDROGEN REDUCED TUNGSTEN METAL POWDER AND HYDROGEN REDUCED COBALT METAL POWDER.
Claims use since Aug. 27, 1942.

Ser. No. 509,120. HENRY WIGGIN & COMPANY LIMITED, London, England. Filed Sept. 14, 1946.

NIMONIC

FOR CAST AND WROUGHT ALLOYS OF NICKEL SOLD IN THE FORM OF BARS, SHEETS, RODS, WIRE, INGOTS, STRIP, TAPE, SHOT AND OTHER SHAPED PIECES.
Claims use since December 1940.

Ser. No. 510,471. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Oct. 9, 1946.

F-3

FOR LEAD AND LEAD ALLOYS IN THE FORM OF PIGS, EXTRUSIONS, CASTINGS, PRESSINGS, TUBES, PIPES, SHEETS, AND RODS.
Claims use since July 24, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 506,414. ATLAS LUBRICANT CORPORATION, New Orleans, La. Filed July 29, 1946.



The picture of the man is fanciful.
FOR MOTOR LUBRICATING OILS.
Claims use since Sept. 6, 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 503,781. JOSEPH WOLF WEINER, Portsmouth, England. Filed June 12, 1946.

SPANISH SHAWL

No claim is made to the word "Spanish" apart from the mark.
FOR CIGARETTES.
Claims use since Apr. 9, 1929.

Ser No. 509,526. ALOIS SELMER, doing business as S. & H. Co., New York, N. Y. Filed Sept. 21, 1946.



SANT' ANTONINO

Applicant is the owner of Reg. No. 423,542.
FOR SNUFF.
Claims use since Oct. 21, 1941.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 493,801. THE MUNISING PAPER COMPANY, Chicago, Ill. Filed Dec. 22, 1945.

Marvalon

FOR FIBROUS MATERIAL IMPREGNATED AND COATED WITH RESINOUS MATERIAL WHICH IS MERCHANDIZED IN ROLL AND SHEET FORM AND ADAPTED FOR USES SIMILAR TO THAT OF OIL-CLOTH.
Claims use since Oct. 24, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 489,457. GENERAL INSTRUMENT CORPORATION, Elizabeth, N. J. Filed Oct. 5, 1945.

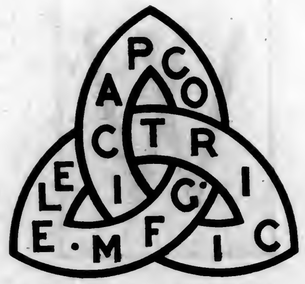
FOR RADIO CONDENSERS AND RADIO TUNERS.
Claims use since Sept. 15, 1945.

Ser. No. 501,585. THE OKONITE-CALLENDER CABLE COMPANY, INCORPORATED, Passaic, N. J. Filed May 7, 1946.

OCONAC

FOR SHEATHS FOR ELECTRIC CABLES.
Claims use since May 7, 1945.

Ser. No. 510,337. PACIFIC ELECTRIC MFG. CORPORATION, San Francisco, Calif. Filed Oct. 5, 1946.



The words "Electric Mfg. Co." are disclaimed apart from the mark as shown.
FOR ELECTRICAL APPARATUS AND EQUIPMENT—NAMELY, ELECTRICAL SWITCHES, CIRCUIT BREAKERS, FUSIBLE CUTOUTS, AUTOMATIC SERVICE RESTORERS, RECLOSING CIRCUIT BREAKERS, CURRENT TRANSFORMERS, CONTROL PANELS, RELAYS AND SEQUENCE TIMING APPARATUS.
Claims use since Apr. 1, 1925.

Ser. No. 511,571. THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Oct. 26, 1946.

MECHANO-PLUG

Applicant disclaims the word "Plug" apart from the mark.
FOR ELECTRIC CABLE CONNECTORS OR PLUGS.
Claims use since May 9, 1941.

Ser. No. 513,037. ELECTRO VOICE, INC., Buchanan, Mich. Filed Nov. 22, 1946.

E-V

FOR MICROPHONES AND MICROPHONE ACCESSORIES—NAMELY, MICROPHONE STANDS, CABLES, CONNECTORS, SWITCHES, AND MICROPHONE STRUCTURAL PARTS.
Claims use since on or about Sept. 1, 1944.

Ser. No. 513,051. GUSTAV GUNDERSON, Tremont, Pa. Filed Nov. 22, 1946.

FLEXI-SWAY

No claim is made for the word "Sway" apart from the mark.
FOR ELECTRIC IRON CORD HOLDERS.
Claims use since Oct. 14, 1946.

Ser. No. 513,170. FLUORESCENT PRODUCTS, Los Angeles, Calif. Filed Nov. 25, 1946.

GRANOCO

FOR ELECTRICAL APPARATUS, MACHINERY AND SUPPLIES—NAMELY, FLUORESCENT LIGHTING FIXTURES COMPRISING INDUSTRIAL UNITS; DECORATIVE UNITS, OPEN TUBE; DECORATIVE UNITS, GLASS DIFFUSER; DOUBLE TUBE STRIPPING, OPEN TUBE; SINGLE TUBE STRIPPING, OPEN TUBE; KITCHEN AND BREAKFAST NOOK UNITS, OPEN TUBE, STANDARD AND WITH GLASS DIFFUSING UNIT; PULL SWITCHES; LOUVERS; IMPEDANCE COILS; JACK CHAIN, AND STANDARD CANOPIES AND ROD HANGERS.
Claims use since June 30, 1942.

Ser. No. 513,417. HORACE A. HUNT, Chicago, Ill. Filed Nov. 29, 1946.

TELETROL

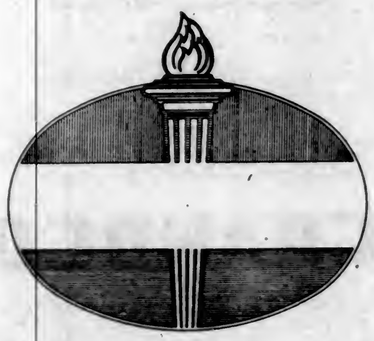
FOR WINDOW VENTILATOR REMOTE CONTROL DEVICE DESIGNED TO CONTROL THE MOTOR SPEED OR AIR VOLUME OF AN ELECTRIC WINDOW VENTILATOR FROM A DISTANT POINT. THE DEVICE INCORPORATES AN AUTO TRANSFORMER WIRED TO A SELECTOR SWITCH, BOTH OF WHICH ARE INCORPORATED IN A HOUSING, SO THAT WHEN CONNECTED TO THE MOTOR CIRCUIT OF THE VENTILATOR BY MEANS OF CORDS OR CABLES, FULL CONTROL OF THE MOTOR SPEED AND AIR VOLUME IS OBTAINED.
Claims use since Nov. 20, 1946.

Ser. No. 513,547. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Dec. 2, 1946.

Air-Way SANITIZOR

FOR ELECTRICAL SUCTION CLEANERS AND PARTS AND ACCESSORIES THEREOF—NAMELY, ATTACHMENT SUCTION TOOLS FOR CLEANING WALLS, UPHOLSTERY, AND RADIATORS, DUST COLLECTORS, FLOOR BRUSHES FOR ATTACHMENT TO ELECTRICAL SUCTION CLEANER NOZZLES, AND EXTENSION TUBING FOR ATTACHMENT OF ACCESSORY SUCTION DEVICES.
Claims use since Oct. 23, 1946.

Ser. No. 515,015. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 30, 1946.



The drawing is lined for red and blue.

FOR AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, AND AUTOMOBILE BATTERY CHARGERS.

Claims use since Oct. 9, 1946.

Ser. No. 515,052. RUSSELL & STOLL COMPANY, INC., New York, N. Y. Filed Dec. 30, 1946.

SEQUTROL

FOR SWITCHES FOR MAKING AND BREAKING CONTACTS IN SEQUENCE.

Claims use since July 15, 1946.

Ser. No. 515,400. AMERICAN MOTORS CORPORATION, St. Charles, Mo. Filed Jan. 8, 1947.

THE CHIEF

FOR ELECTRIC MOTORS PARTICULARLY DESIGNED FOR REFRIGERATION PURPOSES.

Claims use since Dec. 21, 1946.

Ser. No. 515,594. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Jan. 10, 1947.

W

FOR AUDIO-FREQUENCY AMPLIFIERS COMPRISING ASSEMBLED UNITS FOR AMPLIFYING ELECTRIC SIGNALS, AUDIO-FREQUENCY TRANSFORMERS, CHOKE COILS, ELECTRIC PICK-UP TONE ARMS, ELECTRIC PICK-UP VOLTAGE CONTROLS, ELECTRICAL SOCKETS AND PLUGS, ELECTRICAL PHONOGRAPH PICK-UPS, POWER TRANSFORMERS, HIGH-VOLTAGE IGNITION TRANSFORMERS, ENERGIZING TRANSFORMERS FOR ELECTRIC SIGNS, VOLTAGE AND CURRENT REGULATING DEVICES OF THE MOVING-COIL TYPE, INTERCOMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS AND PARTS THEREOF, COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES. INTERCONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION.

Claims use since July 1, 1932.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 508,791. BEN CONVISSER, Jamaica, Long Island, N. Y. Filed Sept. 10, 1946.

"FOXESCHASEGEESE"

FOR GAME COMPRISING GAME PLATFORM AND CHECKERS.

Claims use since Aug. 15, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 485,125. BETHLEHEM FOUNDRY AND MACHINE COMPANY, Bethlehem, Pa. Filed June 28, 1945.

CHEM-WELD

No claim is made to the word "Weld" apart from the mark as shown.

FOR WELDED EQUIPMENT OR PARTS USED IN THE CHEMICAL INDUSTRIES—NAMELY, TANKS, KETTLES, DRYERS AND HEAT EXCHANGERS ALL MORE OR LESS EQUIPPED WITH MECHANICAL AGITATORS, THE HEAT EXCHANGERS BEING DESIGNED FOR THE TREATMENT OF ACIDS AND OTHER LIQUIDS FLOWING THERETHROUGH.

Claims use since June 15, 1945.

Ser. No. 495,551. MIDWESTERN TOOL COMPANY, Chicago, Ill. Filed Jan. 28, 1946.

BROCHIP

FOR MILLING CUTTERS.

Claims use since Feb. 3, 1945.

Ser. No. 500,244. PREFERRED PRODUCTS COMPANY, Toledo, Ohio. Filed Apr. 15, 1946.

PRECO

No claim is made to the representation of a micrometer separate and apart from the mark.

FOR BOLT AND NUT WRENCHES FOR TRANSMITTING TORQUE THERETO.

Claims use since Apr. 8, 1946.

Ser. No. 500,556. NARRAGANSETT MACHINE COMPANY, Pawtucket, R. I. Filed Apr. 19, 1946.

PORTA-DRAULIC

FOR NON-AUTOMATIC PORTABLE CRANE.

Claims use since Jan. 17, 1946.

Ser. No. 504,666. EMPIRE TOOL COMPANY, Detroit, Mich. Filed June 27, 1946.

EMPRITE

FOR CUTTING-OFF BLADES USED ON AUTOMATIC SCREW MACHINES, TURRET LATHES, TURNING LATHES, AND CUT-OFF MACHINES FOR CUTTING OFF ANY TYPE MATERIAL PRODUCED ON THE ABOVE MACHINES.

Claims use since Apr. 26, 1946.

Ser. No. 506,616. NAT P. STECKLER, New York, N. Y. Filed July 31, 1946.

AQUAPRUF

FOR SAFETY RAZORS AND SAFETY RAZOR BLADES; CUTTERS WITH REPLACEABLE BLADES; ELECTRIC SHAVERS; KNIVES; CHISEL KNIVES, TWINE CUTTERS; AND FOR BLADES FOR ALL SAID CUTTERS AND FOR RAZOR STROPPING MACHINES.

Claims use since Apr. 11, 1945.

Ser. No. 512,969. GRANDRIDGE PRODUCTS COMPANY, Grandridge, Ill., assignor to Grand Ridge Products Co., Grandridge, Ill., a corporation of Nebraska. Filed Nov. 21, 1946.

LIQUTITE

FOR AUTOMOTIVE WATER PUMP.

Claims use since Sept. 2, 1946.

Ser. No. 514,420. J. E. INGRAM EQUIPMENT COMPANY, San Antonio, Tex. Filed Dec. 17, 1946.

TAMPO

FOR ROAD BUILDING EQUIPMENT—NAMELY, ROAD ROLLERS, PNEUMATIC-TIRED EARTH PACKING ROLLERS USED IN MAKING ROAD BEDS, TOOTHED EARTH-TAMPING ROLLERS COMMONLY CALLED SHEEPFOOT ROLLERS, SELF-PROPELLED THREE-WHEELED SOIL-PACKING ROLLERS, AND SELF-PROPELLED SOIL-PACKING TANDEM ROLLERS.

Claims use since Oct. 15, 1946.

Ser. No. 517,100. JOHN AHLBIN & SONS, INC., Bridgeport, Conn. Filed Feb. 7, 1947.

JA-SON

FOR SCISSORS.

Claims use since Jan. 2, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 514,055. MID-WEST METALLIC PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 11, 1946.

Easydo

FOR CLOTHESLINE REELS.

Claims use since about May 31, 1946.

Ser. No. 516,387. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Jan. 25, 1947.

Laundromat

FOR ELECTRIC LAUNDRY WASHERS.

Claims use since on or about Oct. 26, 1940.

Ser. No. 516,572. PRESSING SUPPLY COMPANY, Philadelphia, Pa. Filed Jan. 29, 1947.

EMPRESS

FOR IRONING BOARD PADS AND IRONING BOARD PAD COVERS.
Claims use since Jan. 2, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 511,947. HULL MANUFACTURING COMPANY, Warren, Ohio. Filed Nov. 2, 1946.

Beaconlite

FOR COMPASSES AND PARTS THEREOF.
Claims use since July 1946.

Ser. No. 512,190. M. L. & M. J. STITH, San Antonio, Tex. Filed Nov. 7, 1946.

BEAR CUB

FOR RIFLE TELESCOPE SIGHTS.
Claims use since Sept. 1, 1946.

Ser. No. 514,187. THE DI-NOC COMPANY, Cleveland, Ohio. Filed Dec. 13, 1946.

DINOCLOTH

FOR PHOTO-SENSITIZED TRACING CLOTH.
Claims use since Nov. 19, 1946.

Ser. No. 514,267. GALTER PRODUCTS CO., Chicago, Ill. Filed Dec. 14, 1946.

ETERNA

FOR CAMERAS, PHOTOGRAPHIC LENSES, AND SENSITIZED PHOTOGRAPHIC FILMS.
Claims use since Feb. 15, 1946.

Ser. No. 514,804. CRAFTMEN'S GUILD, Hollywood, Calif. Filed Dec. 26, 1946.

CRAFTSMEN'S GUILD

FOR VIEWERS FOR VIEWING TRANSPARENT FILM SLIDES AND FILM STRIPS; MOUNTS FOR TRANSPARENCIES; AND CONTAINERS FOR HOLDING TRANSPARENCIES AND VIEWING APPARATUS.
Claims use since Oct. 5, 1939.

Ser. No. 515,057. WEIMET PHOTO PRODUCTS COMPANY, New York, N. Y. Filed Dec. 30, 1946.

ROCKET

FOR CAMERAS.
Claims use since Oct. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 513,508. HEIFERMAN & BERGER, INC., New York, N. Y. Filed Nov. 30, 1946.

JAYCRAFT

The lines on the drawing are for shading only.
FOR COSTUME JEWELRY.
Claims use since Aug. 23, 1946.

Ser. No. 514,185. SIG DAWER & CO., INC., New York, N. Y. Filed Dec. 13, 1946.

Blue Ribbon

FOR SEMI-PRECIOUS STONES, AND ORNAMENTAL JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since May 21, 1929.

Ser. No. 514,471. GRAND PRODUCTS CO., Chicago, Ill. Filed Dec. 18, 1946.

TAGALONG

FOR PERFUME DISPENSERS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME.
Claims use since Feb. 10, 1943.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 516,503. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Jan. 28, 1947. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR BROOMS, BATH BRUSHES, SCRUBBING BRUSHES, HAND, PALM, AND NAIL BRUSHES, DRY AND WET MOPS, TOOTH AND DENTURE BRUSHES, MANICURE BRUSHES, HAIR BRUSHES, BOTTLE BRUSHES, BATH TUB AND TOILET BOWL BRUSHES, DUST PAN BRUSHES, RADIATOR BRUSHES, CLOTHES BRUSHES, FURNITURE BRUSHES, SHOWER BRUSHES, FACIAL AND POWDER BRUSHES, HAT BRUSHES, FURNITURE AND FEATHER DUSTERS, VENETIAN BLIND BRUSHES, HEARTH AND CHIMNEY BRUSHES, WINDOW BRUSHES, SPOKE BRUSHES, PIPE BRUSHES AND SQUEEGEES.
Claims use since Feb. 13, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 493,935. TENALITH PRODUCTS, INC., New York, N. Y. Filed Dec. 27, 1945.

TENALITH

FOR KITCHEN TABLES, DINING ROOM TABLES, COFFEE TABLES, END TABLES, DRESSING TABLES AND TABLE TOPS MADE OR CONSISTING MAINLY OF WOOD, METAL OR PLASTICS; DESKS, DESK TOPS, KITCHEN COUNTERS AND SERVING COUNTERS, WALL MIRRORS, REFRESHMENT BARS, BATHROOM FURNITURE—NAMELY, WALL CABINETS; KITCHEN FURNITURE—NAMELY, KITCHEN CABINETS; AND STORAGE CHESTS.
Claims use since Dec. 15, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 518,535. KNOX STOVE WORKS, Knoxville, Tenn. Filed Mar. 5, 1947.

Twin-Temp

FOR OIL, COAL AND WOOD BURNING HEATING STOVES.
Claims use since Feb. 1, 1941, on coal and wood burning heating stoves; and since Nov. 18, 1946, on oil burning heating stoves.

Ser. No. 518,536. KNOX STOVE WORKS, Knoxville, Tenn. Filed Mar. 5, 1947.

Mealmaster

FOR COAL, WOOD, OIL AND GAS, AND COMBINATIONS THEREOF, RANGES AND COOKING STOVES.
Claims use on coal, wood and gas ranges and cooking stoves and combinations thereof, since on or about Apr. 6, 1938; on oil ranges and cooking stoves since May 1939; and on combinations of oil and gas ranges and cooking stoves, since April 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 501,036. C. WHEATSTONE & COMPANY LIMITED, London, England. Filed Apr. 26, 1946. Under 10-year proviso.

WHEATSTONE

FOR CONCERTINAS.
Claims use since June 1, 1889.

CLASS 37

PAPER AND STATIONERY

Ser. No. 494,598. EUREKA SPECIALTY PRINTING CO., Scranton, Pa. Filed Jan. 11, 1946.

DUPLISTICKERS

FOR GUMMED, PERFORATED SHEETS OF TYPEWRITER PAPER.
Claims use since about Nov. 1, 1940.

Ser. No. 509,919. CHICAGO PRINTED STRING COMPANY, Chicago, Ill. Filed Sept. 28, 1946.

Chiprene

FOR PAPER—NAMELY, WRAPPING PAPER AND PAPER BANDS.
Claims use since Sept. 2, 1946.

Ser No. 509,976. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif. Filed Sept. 30,,1946.

CROWNLINER



FOR CREPED PAPER LINERS FOR FRUIT AND VEGETABLE PRODUCE BOXES AND CONTAINERS.
Claims use since Mar. 10, 1946.

Ser No. 510,607. NEW YORK WALLPAPER AND PAINT CO., INC., Perth Amboy, N. J. Filed Oct. 10, 1946.

SILKRAFT

FOR WALLPAPER.
Claims use since August 1946.

Ser. No. 515,261. EAGLE PENCIL COMPANY, New York, N. Y. Filed Jan. 4, 1947.

MIRADO

FOR LEAD PENCILS, CRAYONS, PENCIL LEADS, LUMBER LEADS, PENCIL POINT PROTECTORS, PENCIL HOLDERS, PENCIL LENGTHENERS, PENCIL CASES, LEAD BOXES, MECHANICAL PENCILS, MANUALLY-OPERATED PENCIL SHARPENERS, PENHOLDERS, METALLIC PENS, STYLOGRAPHIC PENS, FOUNTAIN PENS, RUBBER ERASERS, PENCIL BOXES, SCHOOL SETS, PEN AND PENCIL CLIPS, TRAYS FOR LEAD PENCILS AND PENHOLDERS AND EASELS FOR LEAD PENCILS AND PENHOLDERS, DESK SETS AND DESK STANDS.
Claims use since Dec. 10, 1941.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 497,982. SOLID SET, South San Francisco, Calif. Filed Mar. 9, 1946.

SOLID SET

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since Sept. 1, 1942.

Ser. No. 501,097. TINY-TOT GIFTS OF HOLLYWOOD, Los Angeles, Calif. Filed Apr. 27, 1946.

Belinda Pink-Ears



FOR GIFT CARDS, PUBLISHED LETTERS, AND PRINTED BOOKS.
Claims use since Mar. 1, 1946.

Ser. No. 508,068. MELVIN M. SCHWARTZ, Madison, Wis. Filed Aug. 26, 1946.

BIRTH-O-GRAM

Applicant disclaims the word "Birth" apart from the mark.
FOR GREETING AND ANNOUNCEMENT CARDS AND PUBLICATIONS.
Claims use since July 22, 1946.

Ser. No. 509,482. THE WESTERNERS, Chicago, Ill. Filed Sept. 20, 1946.



FOR PUBLICATIONS—NAMELY, PRINTED AND OTHERWISE MECHANICALLY REPRODUCED BOOKS AND PERIODICALS.
Claims use since May 1, 1944.

Ser. No. 509,746. UNITED STATES NEWS PUBLISHING CORPORATION, doing business as The Bureau of National Affairs, Washington, D. C., assignor to The Bureau of National Affairs, Inc., a corporation of Delaware. Filed Sept. 25, 1946.

USPQ

FOR PERIODICAL PUBLICATIONS.
Claims use since 1935.

Ser. No. 510,008. NORMAN L. CAHNERS, doing business as Materials Handling Laboratories, Boston, Mass. Filed Oct. 1, 1946.

THE PALLETIZER

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Mar. 5, 1946.

CLASS 39
CLOTHING

Ser. No. 480,435. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Mar. 3, 1945.

AKOM MEANS "GOOD GOODS"

Applicant disclaims the words 'Means "Good Goods"' apart from the mark.
FOR MEN'S, BOYS', AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS, JACKETS, AND SPORTS COATS.
Claims use since Aug. 25, 1944.

Ser. No. 492,329. MARTINI FROCKS, New York, N. Y. Filed Nov. 28, 1945.

Martini

FOR WOMEN'S AND YOUNG MISSES' EVENING GOWNS, HOSTESS GOWNS, DRESSES, AND SUITS FOR ORDINARY STREET WEAR.
Claims use since 1932.

Ser No. 503,277. BARNEY'S CLOTHES, INC., New York, N. Y. Filed June 5, 1946.

di Grazzo

FOR MEN'S SUITS AND MEN'S TOP COATS.
Claims use since May 1935.

Ser. No. 503,285. MAY DE HUYN, doing business as Maisies Manufacturing Co., New York, N. Y. Filed June 5, 1946.

Maisies

FOR SHOE INSOLE LINERS.
Claims use since Apr. 24, 1946.

Ser. No. 504,814. WILLIAMSTON SHIRT COMPANY, Williamston, S. C. Filed June 28, 1946.



Citadel

FOR MEN'S DRESS SHIRTS, MEN'S AND BOYS' SPORT SHIRTS, MEN'S AND BOYS' SHORTS FOR UNDERWEAR.
Claims use since May 3, 1946.

Ser. No. 504,829. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed June 29, 1946.



The picture of the man is fanciful.
FOR MEN'S AND WOMEN'S SWIM SUITS AND TRUNKS.
Claims use since Jan. 2, 1932.

Ser. No. 506,911. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed Aug. 6, 1946.

DITTOS

THEY SECOND

YOUR MOTION

FOR KNITTED UNDERWEAR FOR MEN AND BOYS.
Claims use since July 16, 1946.

Ser. No. 509,183. TWEEDIE FOOTWEAR CORPORATION, Jefferson City, Mo. Filed Sept. 16, 1046.

toplex

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, RUBBER, PLASTIC OR COMBINATIONS OF SAID MATERIAL.
Claims use since Sept. 6, 1946.

Ser. No. 509,239. PADI CLOTHES COMPANY, Philadelphia, Pa. Filed Sept. 17, 1946.

Lastley

FOR MEN'S CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, SPORTCOATS, LEISURE COATS, TUXEDO COATS AND PANTS, AND VESTS.
Claims use since July 1, 1946.

Ser. No. 509,813. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Sept. 27, 1946.

HAMMER-LOCK

FOR MEN'S WORK CLOTHING ITEMS—NAMELY, OVERALLS, COVERALLS, DUNGAREES, AND HOSE.
Claims use since August 1937.

Ser. No. 509,949. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Sept. 28, 1946.

Ranchcraft

FOR MEN'S AND BOYS' BELTS INTENDED FOR PERSONAL WEAR, HATS; SHOES OF LEATHER, FABRIC AND COMBINATIONS OF SUCH MATERIALS; PANTS, SHIRTS, AND JACKETS; AND WOMEN'S AND GIRLS' HATS; SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF SUCH MATERIALS; SLACKS, OUTER SKIRTS, OUTER SHIRTS, AND JACKETS.
Claims use since Aug. 9, 1946.

Ser. No. 510,115. M. C. ROSS MFG. CO. INC., New York, N. Y. Filed Oct. 2, 1946.

HEAR YE!  HEAR YE!

The picture of the man shown is purely fanciful.
FOR BOYS' AND GIRLS' BLOUSES AND SHIRTS AND GIRLS' DRESSES.
Claims use since Nov. 14, 1945.

Ser. No. 510,201. M. C. ROSS MFG. CO. INC., New York, N. Y. Filed Oct. 3, 1946.

HEAR YE!  HEAR YE!

"... the symbol of better wares"

Applicant disclaims the words "The Symbol of Better Wares" alone and apart from the mark. The picture of the man shown is purely fanciful.
FOR BOYS' AND GIRLS' BLOUSES AND SHIRTS AND GIRLS' DRESSES.
Claims use since Nov. 14, 1945.

Ser. No. 512,444. NUSRALA-BOWEN SHOE COMPANY, INC., St. Louis, Mo. Filed Nov. 12, 1946.

DaVenci

FOR SHOES MADE OF LEATHER AND COMBINATIONS OF FABRIC AND LEATHER.
Claims use since August 1946.

Ser. No. 512,588. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Nov. 14, 1946.

"Frost Loom"

FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES.
Claims use since Oct. 7, 1946.

Ser. No. 512,589. HERMANN SPIELMANN & SON, INC., New York, N. Y. Filed Nov. 14, 1946.

SPHINX

FOR NECKTIES.
Claims use since 1921.

Ser No. 512,931. ROSANNE MANUFACTURING COMPANY, INC., York, Pa. Filed Nov. 20, 1946.

Rosanne

FOR BRASSIÈRES AND GARTERS.
Claims use since May 1, 1945.

Ser. No. 514,570. EDWARD O. STOLEBERG, doing business as Eddy's Shoes, Boston, Mass. Filed Dec. 19, 1946.

TOWN TROTTERS

No claim is made to the word "Town" apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Jan. 1, 1934.

Ser. No. 517,283. AMITY MANUFACTURING CO. INC., Boyertown, Pa. Filed Feb. 11, 1947.

AMITY

FOR WORK GARMENTS—NAMELY, PANTS, OVERALLS, DUNGAREES, COVERALLS, JUMPERS, APRONS, AND SLACKS, AND SEMI-DRESS PANTS.
Claims use since 1899.

Ser. No. 518,740. ALLESON SPORTSWEAR COMPANY, Rochester, N. Y. Filed Mar. 10, 1947.

Created by Alleson
ROCHESTER QUALITY SPORTSWEAR

Applicant disclaims the use of the descriptive words "Created by" and "Rochester Quality Sportswear."
FOR SPORT COATS, CARDIGANS, LOAFER COATS, ZIPPER JACKETS, AND SPORT SHIRTS.
Claims use since Sept. 1, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 500,426. STUART COMPANY, St. Paul, Minn. Filed Apr. 17. 1946.

WHIMZY

FOR STUFFED DOLLS, CONTAINING SACHET, PERFUME, OR THE LIKE.
Claims use since Dec. 1, 1945.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 507,099. BEST & CO. INC., New York, N. Y. Filed Aug. 9, 1946. Under 10-year proviso.

Best & Co.

Applicant is the owner of trade-mark "Best & Co.," registration No. 204,847, of Oct. 27, 1925, renewed, effected under the 10-year proviso.
FOR UMBRELLAS.
Claims use since 1882.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 486,195. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 24, 1945.

Contro

FOR KNITTED, BRAIDED AND/OR WOVEN WIDE ELASTIC WEBBING, AND ELASTIC TEXTILE FABRIC SOLD AS PIECE GOODS.
Claims use since on or about June 18, 1937.

Ser. No. 498,052. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 12, 1946.

CELATONE

FOR PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON.
Claims use since about Mar. 8, 1946.

Ser. No. 499,078. ROSS & ROBERTS, INC., West Haven, Conn. Filed Mar. 27, 1946.

AROLON

FOR TRANSPARENT OR TRANSLUCENT VINYL PLASTIC FILM SOLD IN SHEET FORM FOR MAKING UP APRONS, SHOWER CURTAINS, BABY PANTS, TABLE COVERS, AND VARIOUS OTHER ITEMS.
Claims use since Mar. 25, 1946.

Ser. No. 500,853. EDDIE BAUER, doing business as Arctic Feather & Down Co., Seattle, Wash. Filed Mar. 4, 1946.

Feather Foam

Applicant disclaims the word "Feather" apart from the mark as shown.
FOR QUILTS AND BED COMFORTERS.
Claims use since Mar. 1, 1944.

Ser. No. 505,706. M. & W. THOMAS CO., New York, N. Y. Filed July 16, 1946.

Bandley

FOR SILK, RAYON, WOOLEN, COTTON, AND LINEN PIECE GOODS FOR THE MANUFACTURE OF NECKTIES.
Claims use since Feb. 16, 1944, on piece goods of silk, rayon, wool, and cotton; and since June 12, 1946, on piece goods of linen.

Ser. No. 507,274. ROTH FABRICS OF CALIFORNIA, Los Angeles, Calif. Filed Aug. 12, 1946.



The word "Fabrics" and the term "A California Production" together with the outline map of the State of California are disclaimed apart from the mark.
FOR PIECE GOODS OF COTTON, RAYON, AND/OR MIXTURES THEREOF.
Claims use since July 24, 1946.

Ser. No. 507,582. CHAS. N. GEORGE, New York, N. Y. Filed Aug. 17, 1946.



The lines displayed on the drawing conform to the actual display of the lines in the specimens and do not indicate shading or color.
FOR TEXTILE TABLE CLOTHS AND BRIDGE TABLE CLOTHS.
Claims use since Apr. 29, 1946.

Ser. No. 508,246. RICHARD BORDEN MILLS CORP., Fall River, Mass. Filed Aug. 29, 1946.

Snow Berry

FOR WINDOW CURTAINS FOR KITCHENS, BEDROOMS, LIVING ROOMS, DINING ROOMS, AND BATHROOMS, WINDOW DRAPERIES AND DOOR DRAPERIES, ALL OF THE TAILORED OR TRIMMED TYPE, CLOTH PANELS FOR BEDS, AND CLOTH BEDSPREADS.
Claims use since June 1, 1946.

Ser. No. 510,489. DAN RIVER MILLS, INCORPORATED, Danville, Va., Filed Oct. 9, 1946.

ETHODYED

FOR PIECE GOODS OF COTTON, RAYON, NYLON, OR MIXTURES THEREOF.
Claims use since Sept. 18, 1946.

Ser. No. 511,585. WHITE TEXTILES, INC., New York, N. Y. Filed Oct. 26, 1946.

WHITLITE

FOR TEXTILE FABRICS IN THE PIECE, OF WOOLEN, WORSTED, COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Sept. 3, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 505,457. TEXAS FRUIT GROWERS, Weatherford, Tex. Filed July 11, 1946.

The WETBACK

FOR FRESH DECIDUOUS FRUIT.
Claims use since May 1942.

Ser. No. 506,942. CARROLL T. JORDAN, Hartsville, S. C. Filed Aug. 6, 1946.

JOGAR

FOR WATERMELONS AND CANTALOUPES.
Claims use since July 6, 1946.

Ser. No. 507,719. THE EUCLID UNDERWRITING CORPORATION, Brooklyn, N. Y. Filed Aug. 21, 1946.

DOLLY DIMPLE



Applicant is the owner of Reg. No. 418,404. The portrait is fanciful and is not that of any living person.
FOR CANDY.
Claims use since 1926.

Ser. No. 507,720. THE EUCLID UNDERWRITING CORPORATION, Brooklyn, N. Y. Filed Aug. 21, 1946.



The portrait is fanciful and not a portrait of any living person.
FOR CANDY.
Claims use since 1926.

Ser. No. 508,783. BRISTOL BAY PACKING COMPANY, doing business under the name Alaska Salmon Company, Seattle, Wash. Filed Sept. 10, 1946.

Wig Wag

FOR CANNED FISH.
Claims use since 1901.

Ser. No. 509,766. GARGIULO & AMENDOLA, INC., New York, N. Y. Filed Sept. 26, 1946.

S-O-R-O-A

FOR FRESH PINEAPPLES, FRESH TOMATOES, FRESH PEPPERS, FRESH EGGPLANTS, AND FRESH CUCUMBERS.
Claims use since December 1933.

Ser. No. 511,374. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif. Filed Oct. 24, 1946.

MAGIC LAKE

FOR FRESH DECIDUOUS FRUITS.
Claims use since August 1938.

Ser. No. 511,640. PRUNTY SEED & GRAIN COMPANY, St. Louis, Mo. Filed Oct. 28, 1946.

RUSH HOUR

FOR RAW POPCORN.
Claims use since Feb. 17, 1946.

Ser. No. 511,931. COIT RANCH, INC., Firebaugh, Calif. Filed Nov. 2, 1946.

SUPER GOLD

FOR FRESH CANTALOUPES.
Claims use since June 1941.

Ser. No. 512,426. LAKE COVE GROWERS, INC., Finley, Calif. Filed Nov. 12, 1946.

PIRATE'S COVE

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 25, 1931.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 508,397. WEYMOUTH ART LEATHER COMPANY, South Braintree, Mass. Filed Aug. 31, 1946.

WEYMOLITE

FOR COATED CLOTH RESEMBLING ARTIFICIAL LEATHER.
Claims use since Jan. 2, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

JULY 22, 1947

431,371. SHOES MADE OF LEATHER, RUBBER, FABRIC OR COMBINATIONS THEREOF. DR. A. POSNER SHOES, INC., New York, N. Y.
Filed January 28, 1944. Serial No. 466,949. PUBLISHED APRIL 15, 1947. Class 39.

431,372. PIECE GOODS MADE OF CELLULOSE DERIVATIVES ALONE AND IN ADMIXTURE WITH COTTON, WOOL OR SILK. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed June 29, 1944. Serial No. 471,789. PUBLISHED APRIL 15, 1947. Class 42.

431,373. FABRICS COMPRISING COTTON, WOOL, LINEN, RAYON AND PROTEIN FIBERS, AND VARIOUS MIXTURES AND BLENDS THEREOF SOLD IN THE PIECE. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y.
Filed November 2, 1944. Serial No. 476,008. PUBLISHED APRIL 22, 1947. Class 42.

431,374. WOMEN'S MINK FUR COATS, WOMEN'S MINK FUR SCARFS, AND WOMEN'S MINK FUR COLLARS AND FUR CUFFS INTENDED FOR ATTACHMENT TO CLOTH COATS. I. J. FOX, INC., New York, N. Y.
Filed December 11, 1944. Serial No. 477,410. PUBLISHED OCTOBER 23, 1945. Class 39.

431,375. CANNED FRUITS AND CANNED VEGETABLES. R. R. MACK, doing business as Walter M. Field & Co., San Francisco, Calif.
Filed December 11, 1944. Serial No. 477,425. PUBLISHED DECEMBER 17, 1946. Class 46.

431,376. KNITTED WOOL OUTER AND UNDER GARMENTS—NAMELY, FOR MEN: CARDIGANS, JERSEYS, WAISTCOATS, COATS, PULL-OVERS, SHIRTS, SWEATERS, BALACLAVA HELMETS, DRESSING GOWNS, PYJAMAS, COMBINATIONS (UNION SUITS), VESTS, PANTS, KNICKERS, JACKETS, FABRIC GLOVES, SCARVES, MITTENS, NECKTIES AND HOSIERY, ETC. PATONS & BALDWINS LIMITED, Halifax, Yorkshire, England.
Filed February 12, 1945. Serial No. 479,722. PUBLISHED APRIL 29, 1947. Class 39.

431,377. NURSES' UNIFORMS AND MAIDS' DRESSES. ALBERT A. SILVERMAN, New York, N. Y.
Filed March 10, 1945. Serial No. 480,796. PUBLISHED JUNE 19, 1945. Class 39.

431,378. MATTRESSES, PLAYARDS, CRIBS, BEDS, CHAIRS, HIGH CHAIRS, CHIFFOROBES, DOOR AND PORCH SWINGS OF THE GLIDER TYPE FOR BABIES AND CHILDREN, CHAIRS AND AUXILIARY SEATS APPLICABLE TO CHAIRS AND BASSINETS FOR BABIES SLEEPING PURPOSES. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed May 24, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 483,735. PUBLISHED APRIL 22, 1947. Class 32.

431,379. CLOTH AND TEXTILE PIECE GOODS OF COTTON DRILL, COTTON MOLE SKIN AND RAYON. GOLDEN RULE COMPANY, Dallas, Tex.
Filed August 20, 1945. Serial No. 487,323. PUBLISHED APRIL 29, 1947. Class 42.

431,380. WATCHES. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed September 15, 1945. Serial No. 488,557. PUBLISHED APRIL 29, 1947. Class 27.

431,381. TEXTILE CARPETS AND RUGS. C. H. MASLAND & SONS, Carlisle, Pa.
Filed September 18, 1945. Serial No. 488,653. PUBLISHED APRIL 22, 1947. Class 42.

431,382. SHELLED EDIBLE NUTS; RAW OR SALTED. THE CHARLES A. PETERSON COMPANY, Cleveland, Ohio.
Filed September 24, 1945. Serial No. 488,927. PUBLISHED APRIL 29, 1947. Class 46.

431,383. WOOL GREASE, USED AS A CONSTITUENT IN THE MANUFACTURE OF LANOLINE, SOAPS, BELT DRESSING COMPOUNDS, PRINTING INKS, AND OTHER USES IN THE INDUSTRIAL ARTS. THE EAST WEYMOUTH WOOL SCOURING CO., East Weymouth, Mass.
Filed September 26, 1945. Serial No. 488,996. PUBLISHED APRIL 22, 1947. Class 1.

431,384. WATCHES, CLOCKS, AND PARTS THEREOF. OCTO WATCHES, INC., New York, N. Y.
Filed October 17, 1945. Serial No. 490,076. PUBLISHED APRIL 29, 1947. Class 27.

431,385. WATCHES, CLOCKS, AND PARTS THEREOF. OCTO WATCHES, INC., New York, N. Y.
Filed October 17, 1945. Serial No. 490,077. PUBLISHED APRIL 29, 1947. Class 27.

431,386. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed October 26, 1945. Serial No. 490,551. PUBLISHED APRIL 2, 1946. Class 39.

431,387. KITCHEN CABINETS, UTILITY CABINETS, WARDROBES, CLOTHING LOCKERS, AND ORNAMENTAL ENCLOSURES FOR HEATING RADIATORS. EMILIE M. BECKER, administratrix cum testamento annexo de bonis non of the Estate of Thomas H. Coll, deceased, doing business as Richmond Engineering Company, Philadelphia, Pa., assignor to Richmond Metal and Plastics Corporation, Philadelphia, Pa., a corporation of Pennsylvania.
Filed October 30, 1945. Serial No. 490,735. PUBLISHED FEBRUARY 11, 1947. Class 32.

431,388. TEXTILE RUGS AND FLOOR COVERINGS. OREGON FLAX TEXTILES, INC., Oakland, Calif.
Filed November 6, 1945. Serial No. 491,169. PUBLISHED APRIL 22, 1947. Class 42.

431,389. THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL RESIN, SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, ETC. RALPH S. HARTE, San Francisco, Calif.
Filed November 8, 1945. Serial No. 491,255. PUBLISHED APRIL 22, 1947. Class 42.

431,390. DIAMONDS, DIAMONDS MOUNTED IN FINGER RINGS, AND RINGS WITHOUT DIAMONDS. WILLIAM LUDEL, doing business as Diamond Craft of America, New York, N. Y., assignor to Diamond Craft of America, Inc., New York, N. Y., a corporation of Delaware.
Filed November 8, 1945. Serial No. 491,276. PUBLISHED APRIL 15, 1947. Class 28.

431,391. LEATHER SHOES. BOYD-RICHARDSON COMPANY, St. Louis, Mo.
Filed November 29, 1945. Serial No. 492,357. PUBLISHED APRIL 8, 1947. Class 39.

431,392. LAUNDRY RACKS. RALPH S. PALMER, doing business as Ralph S. Palmer Co., Detroit, Mich.
Filed December 3, 1945. Serial No. 492,578. PUBLISHED APRIL 22, 1947. Class 24.

431,393. WATCHES AND WATCH CASES. LOUIS SICKLES, Philadelphia, Pa.
Filed December 6, 1945. Serial No. 492,799. PUBLISHED APRIL 22, 1947. Class 27.

431,394. WATCHES AND WATCH CASES. LOUIS SICKLES, Philadelphia, Pa.
Filed December 6, 1945. Serial No. 492,800. PUBLISHED APRIL 22, 1947. Class 27.

431,395. PIECE GOODS OF RAYON. STEIN & FISHMAN FABRICS, New York, N. Y.
Filed December 8, 1945. Serial No. 492,968. PUBLISHED APRIL 22, 1947. Class 42.

431,396. TABLE CLOTHS, SHEETS, AND PILLOW CASES. GENERAL LINEN COMPANY, New York, N. Y.
Filed December 19, 1945. Serial No. 493,544. PUBLISHED APRIL 29, 1947. Class 42.

431,397. PARTIALLY PRINTED GUMMED PAPER LABELS. THE LABEL-RITE CO. LIMITED, Toronto, Ontario, Canada.
Filed January 7, 1946. Serial No. 494,408. PUBLISHED APRIL 22, 1947. Class 37.

431,398. CRIB COVERS, QUILTS, CARRIAGE SETS, CRIB SPREADS, COMFORTERS, PILLOW COVERS, BLANKET COVERS, AND BED SPREADS. AMERICAN NEEDLECRAFTS, INC., New York, N. Y.
Filed January 8, 1946. Serial No. 494,421. PUBLISHED APRIL 22, 1947. Class 42.

431,399. STAMPED, PRESSED OR DRAWN STEEL WASH TUBS AND TUBS FOR WASHING MACHINES; AND STAMPED, PRESSED OR DRAWN STEEL WASH TUBS AND TUBS FOR WASHING MACHINES HAVING A PORCELAIN ENAMEL COATING THEREON. MULLINS MANUFACTURING CORPORATION, Salem and Warren, Ohio.
Filed January 12, 1946. Serial No. 494,698. PUBLISHED APRIL 22, 1947. Class 24.

431,400. MEN'S SUITS, OVERCOATS, TOPCOATS, HATS, OUTER SHIRTS, AND LEATHER SHOES. BOYD-RICHARDSON COMPANY, St. Louis, Mo.
Filed January 14, 1946. Serial No. 494,735. PUBLISHED APRIL 15, 1947. Class 39.

431,401. FINGER RINGS. JOSEPH BERLAND, New York, N. Y.
Filed January 28, 1946. Serial No. 495,533. PUBLISHED APRIL 29, 1947. Class 28.

431,402. CLOTHES WASHING AND IRONING MACHINES. JASON G. HURLEY, Chicago, Ill.
Filed March 1, 1946. Serial No. 497,480. PUBLISHED APRIL 1, 1947. Class 24.

431,403. KNOCK DOWN STEEL CABINETS. G. R. M. C. COMPANY, doing business as Grand Rapids Metal Cabinet Company, Grand Rapids, Mich.
Filed March 4, 1946. Serial No. 497,600. PUBLISHED APRIL 29, 1947. Class 32.

431,404. NEWS SERVICE PUBLICATION IN SHEET FORM PUBLISHED WEEKLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed March 15, 1946. Serial No. 498,297. PUBLISHED APRIL 29, 1947. Class 38.

431,405. PRINTING INKS, DRAWING INKS, TYPEWRITER RIBBONS, AND CARBON PAPERS USED FOR OFFSET LITHOGRAPHY. REPLICA PRODUCTS COMPANY, New York, N. Y.
Filed March 15, 1946. Serial No. 498,312. PUBLISHED APRIL 22, 1947. Class 11.

431,406. GREETING CARDS. BROWNIE'S BLOCKPRINTS, INC., New York, N. Y.
Filed March 27, 1946. Serial No. 499,041. PUBLISHED APRIL 29, 1947. Class 38.

431,407. MATERIAL FOR WATCHES CONSISTING OF WATCH MAIN SPRINGS. PEREZ MEREMINSKY, Brooklyn, N. Y.
Filed March 29, 1946. Serial No. 499,272. PUBLISHED APRIL 22, 1947. Class 27.

431,408. MATTRESSES, BOX SPRINGS, CRIBS, SOFA BEDS, HOLLYWOOD BEDS, CRIB AND COT PADS. NATIONAL MATTRESS COMPANY, Huntington, W. Va.
Filed April 5, 1946. Serial No. 499,728. PUBLISHED APRIL 15, 1947. Class 32.

431,409. INFANTS' HIGH CHAIRS AND HIGH CHAIR TRAYS. THAYER COMPANY, Gardner, Mass.
Filed April 9, 1946. Serial No. 499,924. PUBLISHED APRIL 29, 1947. Class 32.

431,410. SMOKERS' PIPES, AND CIGAR AND CIGARETTE HOLDERS. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 17, 1946. Serial No. 500,343. PUBLISHED APRIL 29, 1947. Class 8.

431,411. SMOKING TOBACCO, CIGARS, AND CIGARETTES. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 17, 1946. Serial No. 500,347. PUBLISHED APRIL 22, 1947. Class 17.

431,412. SHOES MADE OF LEATHER. TRES HERMANOS, Albuquerque, N. Mex.
Filed April 17, 1946. Serial No. 500,390. PUBLISHED APRIL 15, 1947. Class 39.

431,413. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES), FINGER RINGS, BROOCHES, ORNAMENTAL CHAINS, NOVELTY JEWELRY AND THE LIKE, AND TABLE SILVERWARE—NAMELY, STERLING SILVER FLATWARE AND HOLLOWWARE. ACADEMY AWARD PRODUCTS, INC., New York, N. Y.
Filed April 18, 1946. Serial No. 500,443. PUBLISHED APRIL 15, 1947. Class 28.

431,414. MAGAZINE SECTION, ARCHITECTURAL PLANS, AND PAMPHLETS CONTAINING LISTS OF MATERIALS AND SPECIFICATIONS FOR HOUSES. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed April 22, 1946. Serial No. 500,684. PUBLISHED APRIL 29, 1947. Class 38.

431,415. SMOKING TOBACCO AND CIGARETTES. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England.
Filed April 26, 1946. Serial No. 501,018. PUBLISHED APRIL 29, 1947. Class 17.

431,416. POWDERED CLEANING COMPOUND. CHEMICAL MANUFACTURING & DISTRIBUTING COMPANY, Easton, Pa.
Filed May 2, 1946. Serial No. 501,310. PUBLISHED APRIL 22, 1947. Class 4.

431,417. CALENDARS, PUBLICATIONS ISSUED FROM TIME TO TIME, BULLETINS, CHRISTMAS AND GREETING CARDS. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,441. PUBLISHED APRIL 29, 1947. Class 38.

431,418. UPHOLSTERY COVERS. IRVING AND ANNA HERMAN, Chicago, Ill.
Filed May 4, 1946. Serial No. 501,451. PUBLISHED APRIL 22, 1947. Class 32.

431,419. COMPOUNDS FOR CLEANING FURS. NATHAN ROOT, doing business as Root & Company, Grand Rapids, Mich.
Filed May 9, 1946. Serial No. 501,775. PUBLISHED APRIL 22, 1947. Class 4.

431,420. TEXTILE PIECE GOODS OF WOOL, WORSTED, AND HAIR. G. & G. KYNOCH LIMITED, London, England.
Filed May 14, 1946. Serial No. 502,068. PUBLISHED APRIL 15, 1947. Class 42.

431,421. INFLATABLE PILLOWS COMPOSED OF PLASTIC SHEETS AND CONSTRUCTED IN SECTIONAL COMPARTMENTS AND ADAPTED TO BE USED ON THE GROUND AT BEACHES AND THE LIKE AS A HEAD REST. ELECTRONIC APPLIANCES CORP., Bronx, N. Y.
Filed May 17, 1946. Serial No. 502,280. PUBLISHED APRIL 22, 1947. Class 32.

431,422. SILVER POLISH HAVING INCIDENTAL PROPERTIES AS A SILVER PLATING PREPARATION. J. ENNEST COMPANY, Detroit, Mich.
Filed May 25, 1946. Serial No. 502,741. PUBLISHED APRIL 22, 1947. Class 4.

431,423. JEWELRY FOR PERSONAL WEAR AND METAL ARTICLES OF ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, CLIPS, NECKLACES, PINS, EARRINGS, BRACELETS, MOUNTINGS AND PRECIOUS AND SEMI-PRECIOUS AND IMITATION STONES. JEWEL-SMITHS, INC., Boston, Mass.
Filed May 25, 1946. Serial No. 502,753. PUBLISHED APRIL 15, 1947. Class 28.

431,424. PAPER FOR WRITING AND PRINTING PURPOSES, BOXED STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED, ENVELOPES, PACKAGED PAPERS AND WRITING TABLETS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed June 4, 1946. Serial No. 503,274. PUBLISHED APRIL 22, 1947. Class 37.

431,425. WORSTED KNITTED FABRICS AND RAYON KNITTED FABRICS BOTH IN THE PIECE. FRANK PHILLIPS, doing business as Frank Phillips Company, New York, N. Y.
Filed June 5, 1946. Serial No. 503,325. PUBLISHED APRIL 22, 1947. Class 42.

431,426. INKS. SWITZER BROTHERS, Cleveland, Ohio, assignor to Switzer Brothers, Inc., Cleveland, Ohio, a corporation of Ohio.
Filed June 7, 1946. Serial No. 503,478. PUBLISHED APRIL 15, 1947. Class 11.

431,427. INDEX DEVICES OF THE TYPE COMPRISING A STACK OF SELECTIVELY SEPARABLE INDEXED SHEETS—NAMELY, INDEX DEVICES FOR TELEPHONE NUMBERS, NAMES, AND ADDRESSES. THE BATES MANUFACTURING COMPANY, Orange, N. J.
Filed June 8, 1946. Serial No. 503,491. PUBLISHED APRIL 29, 1947. Class 37.

431,428. WASHING COMPOUND FOR CLEANSING OF HOSIERY, GIRDLES, UNDERWEAR, AND LINGERIE. THE WOOLFOAM CORPORATION, New York, N. Y.
Filed June 8, 1946. Serial No. 503,541. PUBLISHED APRIL 15, 1947. Class 4.

431,429. CLEANING PREPARATIONS, COMPRISING LIQUID DRY CLEANERS, SHOE CLEANING PREPARATIONS, AND A WINDOW CLEANER. STERLING DRUG INC., Wilmington, Del.
Filed June 12, 1946. Serial No. 503,768. PUBLISHED APRIL 15, 1947. Class 4.

431,430. WATCHES, WATCH MOVEMENTS AND PARTS OF THE SAME. N. ENGEL & COMPANY, New York, N. Y.
Filed June 18, 1946. Serial No. 504,102. PUBLISHED APRIL 29, 1947. Class 27.

431,431. WOMEN'S AND MISSES' READY-TO-WEAR COATS AND SUITS. THE RAPAPORT COAT CORPORATION, Chicago, Ill.
Filed June 18, 1946. Serial No. 504,129. PUBLISHED APRIL 8, 1947. Class 39.

431,432. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, AND PRECIOUS AND SEMI-PRECIOUS GEMS. LAWRENCE MFG., INC., Providence, R. I.
Filed June 19, 1946. Serial No. 504,185. PUBLISHED APRIL 29, 1947. Class 28.

431,433. TEXTILE FABRICS—NAMELY, PIECE GOODS OF RAYON AND SILK. REMOND, HOLLAND, INC., New York, N. Y.
Filed June 19, 1946. Serial No. 504,212. PUBLISHED APRIL 15, 1947. Class 42.

431,434. TYPEWRITER RIBBONS AND CARBON PAPER. L. C. SMITH & CORONA TYPEWRITERS, INC., Syracuse, N. Y.
Filed June 19, 1946. Serial No. 504,218. PUBLISHED APRIL 15, 1947. Class 11.

431,435. PIECE GOODS COMPOSED OF RAYON, NYLON, SILK, COTTON, WOOL, OR MIXTURES THEREOF. BIANCHINI FERIER, INC., New York, N. Y.
Filed June 20, 1946. Serial No. 504,262. PUBLISHED APRIL 22, 1947. Class 42.

431,436. SHOES. CLAUSEN AND COMPANY, Charlotte, N. C.
Filed June 26, 1946. Serial No. 504,605. PUBLISHED APRIL 15, 1947. Class 39.

431,437. FLUID MILK AND FLUID CREAM. IRVINDALE FARMS, INC., Atlanta, Ga.
Filed June 27, 1946. Serial No. 504,673. PUBLISHED APRIL 29, 1947. Class 46.

431,438. FERTILIZERS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed June 28, 1946. Serial No. 504,742. PUBLISHED APRIL 15, 1947. Class 10.

431,439. MAGAZINE PUBLISHED PERIODICALLY. THE SOCIETY FOR THE PRESERVATION AND ENCOURAGEMENT OF BARBER SHOP QUARTET SINGING IN AMERICA, INC., Chicago, Ill., and Detroit, Mich.
Filed June 29, 1946. Serial No. 504,868. PUBLISHED APRIL 29, 1947. Class 38.

431,440. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. COURIER PAPETERIES, Minneapolis, Minn.
Filed July 3, 1946. Serial No. 505,145. PUBLISHED APRIL 15, 1947. Class 37.

431,441. CANNED FRUIT JUICES AND CANNED VEGETABLE JUICES FOR FOOD PURPOSES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed July 8, 1946. Serial No. 505,175. PUBLISHED APRIL 22, 1947. Class 46.

431,442. CONFECTION CONSISTING OF POPCORN, PEANUTS, MOLASSES, AND SUGAR. THE D. L. CLARK COMPANY, Pittsburgh, Pa.
Filed July 8, 1946. Serial No. 505,185. PUBLISHED APRIL 29, 1947. Class 46.

431,443. CANNED CITRUS JUICES. B & W FRUIT COMPANY, INC., Groveland, Fla.
Filed July 11, 1946. Serial No. 505,382. PUBLISHED APRIL 29, 1947. Class 46.

431,444. PHILATELIC ACCESSORY—NAMELY, A STAMP HINGE HOLDER AND DISPENSER. HOWARD R. ELZEY, Upper Darby, Pa.
Filed July 11, 1946. Serial No. 505,402. PUBLISHED APRIL 22, 1947. Class 37.

431,445. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed July 11, 1946. Serial No. 505,426. PUBLISHED APRIL 29, 1947. Class 46.

431,446. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed July 11, 1946. Serial No. 505,428. PUBLISHED APRIL 29, 1947. Class 46.

431,447. SMOKING TOBACCO. LANE TOBACCO, LTD., New York, N. Y., now by change of name to Lane Limited.
Filed July 13, 1946. Serial No. 505,602. PUBLISHED APRIL 15, 1947. Class 17.

431,448. SMOKING TOBACCO. BROOKS BROTHERS, New York, N. Y.
Filed July 15, 1946. Serial No. 505,635. PUBLISHED APRIL 15, 1947. Class 17.

431,449. SMOKING PIPES. REGAL PIPE COMPANY, San Francisco, Calif.
Filed July 15, 1946. Serial No. 505,669. PUBLISHED APRIL 15, 1947. Class 8.

431,450. MAGAZINE PUBLISHED MONTHLY AND AT OTHER INTERVALS. BLEU BLANC ROUGE PUBLICATIONS, INC., New York, N. Y.
Filed July 17, 1946. Serial No. 505,728. PUBLISHED APRIL 29, 1947. Class 38.

431,451. RAYON FABRICS IN THE PIECE. GRANVILLE FABRICS CO., New York, N. Y.
Filed July 18, 1946. Serial No. 505,821. PUBLISHED APRIL 22, 1947. Class 42.

431,452. BROOMS. ATLANTIC SOUTHWESTERN BROOM COMPANY, Baltimore, Md.
Filed July 19, 1946. Serial No. 505,884. PUBLISHED APRIL 22, 1947. Class 29.

431,453. LADIES' HANDBAGS. HARMONY BAG CO., INC., New York, N. Y.
Filed July 20, 1946. Serial No. 505,955. PUBLISHED MARCH 11, 1947. Class 3.

431454. BRASSIÈRES. G. M. POIX, INC., New York, N. Y.
Filed July 20, 1946. Serial No. 505,982. PUBLISHED APRIL 15, 1947. Class 39.

431,455. BRASSIÈRES. G. M. POIX, INC., New York, N. Y.
Filed July 20, 1946. Serial No. 505,984. PUBLISHED APRIL 15, 1947. Class 39.

431,456. PRINTED BOOKS. BUSINESS NEWS PUBLISHING COMPANY, Detroit, Mich.
Filed July 22, 1946. Serial No. 506,003. PUBLISHED APRIL 29, 1947. Class 38.

431,457. MOPS, BRUSHES, AND DUSTERS FOR HOUSEHOLD CLEANING. DECO MANUFACTURING COMPANY, INC., Los Angeles, Calif.
Filed July 22, 1946. Serial No. 506,015. PUBLISHED APRIL 15, 1947. Class 29.

431,458. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER. NOVELTÉ PAPETERIES, INC., Colorado Springs, Colo.
Filed July 22, 1946. Serial No. 506,056. PUBLISHED APRIL 15, 1947. Class 37.

431,459. MAGAZINE ISSUED QUARTERLY. ARCHIE COMIC PUBLICATIONS, INC., New York, N. Y., and St. Louis, Mo.
Filed July 23, 1946. Serial No. 506,083. PUBLISHED APRIL 29, 1947. Class 38.

431,460. RIBBONS MADE OF RAYON AND SOLD IN HANKS, BOLTS OR BULK ROLLS. VISRAY TEXTILES, INC., New York, N. Y.
Filed July 23, 1946. Serial No. 506,149. PUBLISHED APRIL 22, 1947. Class 42.

431,461. MOPS. JOHN M. JOHNSTON, doing business as Jonco Products Company, Hillside, N. J.
Filed July 24, 1946. Serial No. 506,172. PUBLISHED APRIL 15, 1947. Class 29.

431,462. PERIODIC PUBLICATION OR CIRCULAR. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 24, 1946. Serial No. 506,207. PUBLISHED APRIL 29, 1947. Class 38.

431,463. COAL. WYOMING MINING CORPORATION, Philadelphia, Pa.
Filed July 24, 1946. Serial No. 506,215. PUBLISHED APRIL 15, 1947. Class 1.

431,464. WINDOW SHADES. KEYSTONE WINDOW SHADE COMPANY, INC., Pittsburgh, Pa.
Filed July 25, 1946. Serial No. 506,244. PUBLISHED APRIL 22, 1947. Class 32.

431,465. COMIC STRIP APPEARING IN DAILY NEWSPAPERS. THE MCNAUGHT SYNDICATE, INC., New York, N. Y.
Filed July 25, 1946. Serial No. 506,248. PUBLISHED APRIL 29, 1947. Class 38.

431,466. SCRAP BOOKS AND ALBUMS. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill.
Filed July 26, 1946. Serial No. 506,286. PUBLISHED APRIL 15, 1947. Class 37.

431,467. SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS. THE REISS-PREMIER CORPORATION, West New York, N. J.
Filed July 26, 1946. Serial No. 506,345. PUBLISHED APRIL 29, 1947. Class 8.

431,468. PHOTOGRAPHS. ROBERT H. GOBRECHT, Mountainville, N. Y.
Filed July 27, 1946. Serial No. 506,376. PUBLISHED APRIL 29, 1947. Class 38.

431,469. PILLOWS. INTERSTATE LATEX COMPANY, Youngstown, Ohio.
Filed July 29, 1946. Serial No. 506,450. PUBLISHED APRIL 22, 1947. Class 32.

431,470. MATTRESSES AND BOX SPRINGS. A. MOODY & CO., INC., Los Angeles, Calif.
Filed July 31, 1946. Serial No. 506,608. PUBLISHED APRIL 22, 1947. Class 32.

431,471. GOLD, GOLD-FILLED, STERLING, AND PLATED JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) WITH OR WITHOUT SETTINGS OF PRECIOUS, SEMI-PRECIOUS, SYNTHETIC, OR IMITATION STONES. ALVA S. PERRY, doing business as A. S. Perry and Associates, Atlanta, Ga.
Filed August 1, 1946. Serial No. 506,686. PUBLISHED APRIL 15, 1947. Class 28.

431,472. SILVER FLATWARE—NAMELY, TABLE-KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD FORKS, COLD MEAT FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLESPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES, AND TOMATO SERVERS. FINE ARTS STERLING SILVER COMPANY, Philadelphia, Pa.
Filed August 2, 1946. Serial No. 506,744. PUBLISHED APRIL 22, 1947. Class 28.

431,473. SILVER FLATWARE—NAMELY, TABLE KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD FORKS, COLD MEAT FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLESPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES, AND TOMATO SERVERS. FINE ARTS STERLING SILVER COMPANY, Philadelphia, Pa.
Filed August 2, 1946. Serial No. 506,745. PUBLISHED APRIL 22, 1947. Class 28.

431,474. SILVER FLATWARE—NAMELY, TABLE-KNIVES, BUTTER-KNIVES, YOUTH-KNIVES, TABLE-FORKS, SALAD FORKS, COLD MEAT FORKS, COCKTAIL-FORKS, YOUTH-FORKS, BABY-FORKS, SOUP-SPOONS, TEASPOONS, BERRY-SPOONS, TABLESPOONS, ICE DRINK-SPOONS, DESSERT-SPOONS, COFFEE-SPOONS, YOUTH-SPOONS, BABY-SPOONS, BUTTER-SPREADERS, SUGAR SHELLS, GRAVY LADLES, AND TOMATO SERVERS. FINE ARTS STERLING SILVER COMPANY, Philadelphia, Pa.
Filed August 2, 1946. Serial No. 506,746. PUBLISHED APRIL 29, 1947. Class 28.

431,475. PRETZELS. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed August 5, 1946. Serial No. 506,852. PUBLISHED APRIL 29, 1947. Class 46.

431,476. PRETZELS. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed August 5, 1946. Serial No. 506,853. PUBLISHED APRIL 29, 1947. Class 46.

431,477. LADIES', WOMEN'S, AND MISSES' DRESSES. NORMAN JACOBSON, New York, N. Y.
Filed August 6, 1946. Serial No. 506,941. PUBLISHED APRIL 22, 1947. Class 39.

431,478. HAIR BRUSHES. TROJAN BRUSH PRODUCTS, INC., New York, N. Y.
Filed August 7, 1946. Serial No. 507,032. PUBLISHED APRIL 29, 1947. Class 29.

431,479. GLOVES. WIMELBACHER & RICE, INC., New York, N. Y.
Filed August 7, 1946. Serial No. 507,034. PUBLISHED APRIL 22, 1947. Class 39.

431,480. WOMEN'S NIGHTGOWNS. MUNSINGWEAR, INC., Minneapolis, Minn.
Filed August 10, 1946. Serial No. 507,210. PUBLISHED APRIL 29, 1947. Class 39.

431,481. WOMEN'S NIGHTGOWNS. MUNSINGWEAR, INC., Minneapolis, Minn.
Filed August 10, 1946. Serial No. 507,211. PUBLISHED APRIL 29, 1947. Class 39.

431,482. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Filed August 10, 1946. Serial No. 507,213. PUBLISHED APRIL 15, 1947. Class 28.

431,483. NECKTIE HOLDERS, COLLAR FASTENERS, BELT BUCKLES, MONEY HOLDERS AND KEY HOLDERS, ALL OF PRECIOUS METALS OR A COMBINATION OF BASE METALS AND PRECIOUS OR SEMI-PRECIOUS METALS. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed August 13, 1946. Serial No. 507,315. PUBLISHED APRIL 15, 1947. Class 28.

431,484. COSTUME JEWELRY. KAUFMAN AND RUDERMAN CO. INC., New York, N. Y.
Filed August 13, 1946. Serial No. 507,319. PUBLISHED APRIL 15, 1947. Class 28.

431,485. SHAVING BRUSHES. THE BIXLER CORPORATION, Cleveland, Ohio.
Filed August 15, 1946. Serial No. 507,456. PUBLISHED APRIL 22, 1947. Class 29.

431,486. FRESH FROZEN APRICOTS, BLACKBERRIES, BOYSENBERRIES, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, CORN, GREEN BEANS, LIMA BEANS, LOGANBERRIES, MIXED VEGETABLES, PEAS, PEAS AND CARROTS, PEACHES, AND SPINACH. TOP FROST FOODS, INC., Philadelphia, Pa.
Filed August 21, 1946. Serial No. 507,762. PUBLISHED APRIL 29, 1947. Class 46.

431,487. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, FELT, OR TEXTILE MATERIAL. W. L. DOUGLAS SHOE CO., Brockton, Mass.
Filed August 23, 1946. Serial No. 507,894. PUBLISHED APRIL 22, 1947. Class 39.

431,488. MEN'S, WOMEN'S, AND CHILDREN'S SLIPPERS. GUSTAV COHN, New York, N. Y.
Filed August 27, 1946. Serial No. 508,100. PUBLISHED APRIL 29, 1947. Class 39.

431,489. WOMEN'S AND GIRLS' SHOES OF LEATHER, FABRIC, RUBBER, PLASTICS, AND/OR COMBINATIONS THEREOF. VICTORY SHOE COMPANY, St. Louis, Mo.
Filed August 31, 1946, Serial No. 508,395. PUBLISHED APRIL 15, 1947. Class 39.

431,490. SANDWICHES. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed September 5, 1946. Serial No. 508,508. PUBLISHED APRIL 29, 1947. Class 46.

431,491. CLASSROOM FURNITURE — NAMELY, SCHOOL CHAIRS, DESKS, AND TABLES. AMERICAN SEATING COMPANY, Grand Rapids, Mich.
Filed September 7, 1946. Serial No. 508,639. PUBLISHED APRIL 29, 1947. Class 32.

431,492. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed September 9, 1946. Serial No. 508,708. PUBLISHED APRIL 22, 1947. Class 27.

431,493. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed September 9, 1946. Serial No. 508,709. PUBLISHED APRIL 22, 1947. Class 27.

431,494. WOMEN'S COATS. JOSEPH BRODY & BROS., INC., Chicago, Ill.
Filed September 13, 1946. Serial No. 508,972. PUBLISHED APRIL 22, 1947. Class 39.

431,495. CULOTTES. LOUIS M. SEVER, Los Angeles, Calif.
Filed September 13, 1946. Serial No. 509,041. PUBLISHED APRIL 29, 1947. Class 39.

431,496. WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed September 13, 1946. Serial No. 509,054. PUBLISHED APRIL 22, 1947. Class 27.

431,497. WATCHES, WATCH MOVEMENTS, WATCH-CASES, AND PARTS THEREOF. R. GSELL & CO., INC., New York, N. Y.
Filed September 17, 1946. Serial No. 509,217. PUBLISHED APRIL 22, 1947. Class 27.

431,498. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. BATES & KLINKE, INC., Attleboro, Mass.
Filed September 19, 1946. Serial No. 509,327. PUBLISHED APRIL 29, 1947. Class 28.

431,499. BRACELETS. NATIONAL STEEL FABRIC COMPANY, Pittsburgh, Pa.
Filed September 20, 1946. Serial No. 509,440. PUBLISHED APRIL 29, 1947. Class 28.

431,500. CHILDREN'S JEWELRY—NAMELY, BRACELETS, NECKLACES, AND LOCKETS. SPEIDEL CORPORATION, Providence, R. I.
Filed September 21, 1946. Serial No. 509,541. PUBLISHED APRIL 29, 1947. Class 28.

431,501. PLASTIC COMPOSITION TABLE TOPS. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio.
Filed September 24, 1946. Serial No. 509,644. PUBLISHED APRIL 22, 1947. Class 32.

431,502. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed September 27, 1946. Serial No. 509,841. PUBLISHED APRIL 29, 1947. Class 27.

431,503. SOLES AND INSOLES OF LEATHER. EDWARD D. VAN TASSEL, JR., Cohasset, Mass.
Filed September 27, 1946. Serial No. 509,894. PUBLISHED APRIL 22, 1947. Class 39.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,504. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ZIV STEEL & WIRE CO., Chicago, Ill. Filed Apr. 17, 1944. Serial No. 469,425.

ZIV'S "SUPER" HIGH SPEED STEEL

FOR HIGH SPEED STEEL.
Claims use since March 1925.

431,505. (CLASS 39. CLOTHING.) JOE KORET, doing business as Koret of California, San Francisco, Calif. Filed June 7, 1944. Serial No. 470,980.

TRIKSHORT

FOR GIRLS' AND WOMEN'S SHORTS FOR ATHLETIC AND SPORTS WEAR.
Claims use since Nov. 1, 1943.

431,506. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HUMANE SOCIETY OF THE CITY OF COLUMBUS, OHIO, Columbus, Ohio. Filed Oct. 19, 1944. Serial No. 475,497.

Animal Life

FOR MONTHLY MAGAZINE DEVOTED TO DEVELOPING IN CHILDREN A LOVE OF ANIMALS OF ALL KINDS.
Claims use since Sept. 1, 1944.

431,507. (CLASS 39. CLOTHING.) JOE KORET, doing business as Koret of California, San Francisco, Calif. Filed Nov. 18, 1944. Serial No. 476,624.

TRIKULOTTE

FOR WOMEN'S DIVIDED SKIRTS.
Claims use since Oct. 6, 1944.

431,508. (CLASS 39. CLOTHING.) SUPERBA CRAVATS, Rochester, N. Y. Filed Apr. 4, 1945. Serial No. 481,720.

The Gainsborough

FOR NECKTIES.
Claims use since Dec. 27, 1944.

431,509. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) CALLITE TUNGSTEN CORPORATION, Union City, N. J. Filed June 7, 1945. Serial No. 484,239.

PURETUNG
99% PURE TUNGSTEN WELDING ELECTRODES

FOR PERMANENT TUNGSTEN ELECTRODES FOR WELDING MACHINES.
Claims use since May 22, 1945.

431,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. PLETCHER, Harlingen, Tex. Filed June 18, 1945. Serial No. 484,700.

RUBY RED

FOR FRESH GRAPEFRUIT.
Claims use since Nov. 1, 1944.

431,511. (CLASS 38. PRINTS AND PUBLICATIONS.) THE NATIONAL COMMITTEE ON ALCOHOL HYGIENE, INC., Baltimore, Md. Filed July 4, 1945. Serial No. 485,468.

ALCOHOL HYGIENE

FOR A PERIODICAL PUBLICATION.
Claims use since Oct. 1, 1944.

431,512. (CLASS 39. CLOTHING.) KORET OF CALIFORNIA, INC., San Francisco, Calif. Filed July 23, 1945. Serial No. 486,153.

SWURLSHORT

FOR GIRLS' AND WOMEN'S OUTER SHORTS.
Claims use since June 20, 1945.

431,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOLF BRAND PRODUCTS, Corsicana, Tex. Filed Oct. 12, 1945. Serial No. 489,890.

Heat 'n Eat

FOR CANNED CHILI AND TAMALE SEASONING, AND CANNED CHILI BEANS.
Claims use since 1930.

431,514. (CLASS 39. CLOTHING.) EDDIE BAUER, doing business as Arctic Feather & Down Co., Seattle, Wash. Filed Oct. 29, 1945. Serial No. 490,625.

"It Breathes"

FOR MEN'S AND WOMEN'S STREET CLOTHES AND SPORTSWEAR—NAMELY, COATS, JACKETS, OUTER AND UNDER SHIRTS, TROUSERS, PARKAS AND SHAWLS; AND FOR QUILTED GARMENTS FOR USE BY MEN AND WOMEN—NAMELY, HOODS, HOODED COATS, TROUSERS, PADDED BOOTS AND SLEEPING BAGS.
Claims use since June 1, 1941.

431,515. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LINK-BELT COMPANY, Chicago, Ill. Filed Dec. 19, 1945. Serial No. 493,559.

MULTI-LOUVRE

FOR ENCASED TRAVELING PAN CONVEYOR TYPE DRYERS AND COOLERS FOR HANDLING FLOWABLE SOLIDS.
Claims use since Oct. 24, 1945.

431,516. (CLASS 39. CLOTHING.) S. & M. SPORTSWEAR CO., New York, N. Y. Filed Jan. 3, 1946. Serial No. 494,238.

Sophye Morris

FOR LADIES' SWEATERS.
Claims use since Nov. 1945.

431,517. (CLASS 39. CLOTHING.) LOUIS J. GALLINA, Union City, N. J. Filed Jan. 7, 1946. Serial No. 494,399.

RANCH AND TURFWEAR

FOR RIDING PANTS, RIDING JACKETS, SLACKS AND JACKETS FOR MEN, WOMEN AND CHILDREN.
Claims use since Dec. 15, 1945.

431,518. (CLASS 39. CLOTHING.) DYER'S GROUND GRIPPER SHOE STORE, INC., Madison, Wis., now by change of name Dyer's Shoe Stores, Inc. Filed Jan. 11, 1946. Serial No. 494,597.

DR. DENNISTON SHOE
FAMOUS FOR COMFORT-CORRECTION STYLE

FOR SHOES MADE OF LEATHER, AND OF VARIOUS COMBINATIONS OF LEATHER, RUBBER, AND FABRIC.
Claims use since Aug. 1, 1939.

431,519. (CLASS 39. CLOTHING.) ED GERRICK, INC., New York, N. Y. Filed Jan. 12, 1946. Serial No. 494,671.

SIZETTE

FOR MISSES' DRESSES, SUITS, COATS, JACKETS, BLOUSES, AND DRESS ENSEMBLES.
Claims use since Nov. 1945.

431,520. (CLASS 39. CLOTHING.) AMERICAN GIRL SHOE CO., Boston, Mass. Filed Jan. 16, 1946. Serial No. 494,807.

AMERICAN NURSE

FOR SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR WOMEN AND MISSES.
Claims use since Sept. 19, 1945.

431,521. (CLASS 39. CLOTHING.) DORIS MILLER, INC., New York, N. Y. Filed Jan. 22, 1946. Serial No. 495,181.

Terry TEENS

FOR CHILDREN'S AND YOUNG LADIES' UNDERWEAR.
Claims use since Nov. 1, 1945.

431,522. (CLASS 39. CLOTHING.) COLUMBIA SKIRT & SPORTSWEAR CO., Boston, Mass. Filed Jan. 31, 1946. Serial No. 495,725.

COLUMBIA of BOSTON

FOR WOMEN'S AND GIRLS' SKIRTS, SUITS, JACKETS, SLACKS, OUTER SHORTS, JUMPERS, AND DRESSES.
Claims use since Jan. 21, 1946.

431,523. (CLASS 39. CLOTHING.) M. R. BRASSIERE CO., New York, N. Y. Filed Feb. 2, 1946. Serial No. 495,899.

MAGNIFICENT FORM

FOR BRASSIÈRES.
Claims use since December 1945.

431,524. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. N. HANGE, Chicago, Ill. Filed Feb. 8, 1946. Serial No. 496,235.



FOR CANDIES.
Claims use since Dec. 14, 1945.

431,525. (CLASS 39. CLOTHING.) CARLISLE SORTSWEAR, New York, N Y. Filed Feb. 15, 1946. Serial No. 496,607.

June Porter

FOR LADIES' KNITTED SWEATERS.
Claims use since July 10, 1943.

431,526. (CLASS 39. CLOTHING.) P. PORTFOLIO & CO., INC., New York, N. Y. Filed Feb. 23, 1946. Serial No. 497,128.



The picture of the girl is fanciful. The drawing is lined for the color brown. No claim is made to any particular color.
FOR WOMEN'S AND MISSES' COATS.
Claims use since Jan. 31, 1946.

431,527. (CLASS 39. CLOTHING.) ALAMAK JUNIORS, New York, N. Y. Filed Feb. 26, 1946. Serial No. 497,221.



FOR WOMEN'S, MISSES' AND JUNIOR MISSES' COATS AND SUITS.
Claims use since December 1945.

431,528. (CLASS 39. CLOTHING.) SAFETY CLOTHING & EQUIPMENT CO., Cleveland, Ohio. Filed Mar. 22, 1946. Serial No. 498,800.

GARDWELL

FOR PROTECTIVE GARMENTS AND APPAREL FOR WEAR BY INDUSTRIAL WORKERS—NAMELY, HELMETS, COATS, SLEEVES, GLOVES, MITTENS, HAND PADS, PANTS, LEGGINGS, KNEE PADS, SPATS, SHOES, APRONS, OVERALLS, AND JUMPER SUITS.
Claims use since Oct. 1, 1945.

431,529. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLIED FOOD INDUSTRIES, INC., Perth Amboy, N. J. Filed Apr. 26, 1946. Serial No. 500,921.

Sweetabs

FOR SWEETENER OF LOW CALORIE CONTENT IN TABLET FORM FOR USE AS A SUBSTITUTE FOR SUGAR IN SWEETENING FOODS.
Claims use since Feb. 1, 1946.

431,530. (CLASS 39. CLOTHING.) A & H BINDER COMPANY, Boston, Mass. Filed May 3, 1946. Serial No. 501,358.



FOR WOMEN'S, MISSES' AND GIRLS' SKIRTS, SLACKS, SUITS, COATS, SHORTS, JERKINS, PEDAL PUSHERS, AND JACKETS.
Claims use since Apr. 11, 1946.

431,531. (CLASS 39. CLOTHING.) HENRY LEVINE, doing business as Henry Levine Company, Boston, Mass., assignor to Henry Levine Co., Inc., Boston, Mass., a corporation of Massachusetts. Filed May 3, 1946. Serial No. 501,394.



FOR LADIES' SLACKS, SLACKSUITS, SUITS, JACKETS, SKIRTS, SHORTS, SPORT DRESSES, AND JUMPER DRESSES.
Claims use since Apr. 1, 1946.

431,532. (CLASS 39. CLOTHING.) SMART MAID COAT CO. INC., New York, N. Y. Filed May 7, 1946. Serial No. 501,607.

Rainseal

FOR GIRLS' AND MISSES' COATS.
Claims use since February 1945.

431,533. (CLASS 39. CLOTHING.) JOSEPH STEIN COAT CO., New York, N. Y. Filed May 9, 1946. Serial No. 501,784.

AQUA TREND

FOR LADIES', MISSES', AND JUNIOR MISSES' RAINWEAR—NAMELY, COATS AND SUITS.
Claims use since Apr. 17, 1946.

431,534. (CLASS 39. CLOTHING.) RIEGEL & DECHTER, New York, N. Y. Filed May 17, 1946. Serial No. 502,333.

SemiteeN

FOR GIRLS' DRESSES, PINAFORES, SKIRTS, JUMPERS, PLAYSUITS, SLACKS, JERKINS, BLOUSES, AND SUITS.
Claims use since Apr. 15, 1946.

431,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL KAFFER & SONS, Joliet, Ill. Filed May 29, 1946. Serial No. 502,980.

FAST-SET

FOR A PREPARATION OF PECTIN, CORN SUGAR, AND ACID, FOR USE IN MAKING JAMS, JELLIES, PRESERVES, OR MARMALADE.
Claims use since Apr. 29, 1946.

431,536. (CLASS 38. PRINTS AND PUBLICATIONS.) PROVIDENCE JOURNAL COMPANY, Providence, R. I. Filed June 1, 1946. Serial No. 503,172.

The RHODE ISLANDER

FOR MAGAZINES.
Claims use since May 31, 1946.

431,537. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN M. BETTNER, New York, N. Y. Filed June 15, 1946. Serial No. 503,969.

CINE · RULE

FOR COMPUTING SLIDE RULE DEVICE USED BY PHOTOGRAPHERS TO DETERMINE FILM FACTORS IN REGARD TO LENGTH, FOOTAGE, AND TIME, IN FEET AND SECONDS.
Claims use since Apr. 9, 1946.

431,538. (CLASS 39. CLOTHING.) METZ BROS., New York, N. Y. Filed June 22, 1946. Serial No. 504,444.

MB Elaborate

FOR FUR COATS AND FUR JACKETS.
Claims use since May 15, 1946.

431,539. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) STADHAM COMPANY, INC., Philadelphia, Pa. Filed July 1, 1946. Serial No. 504,939.

Snap-Tite

FOR IRONING BOARD COVER.
Claims use since May 1, 1946.

431,540. (CLASS 39. CLOTHING.) MORRIS S. TANOWITZ, doing business as The Wee Bonnet, New York, N. Y. Filed July 2, 1946. Serial No. 505,018.

Wee Bonnet

FOR CHILDREN'S AND INFANTS' HATS AND BONNETS.
Claims use since February 1939.

431,541. (CLASS 39. CLOTHING.) KNIT GOODS SPECIALTY CO., Chicopee, Mass. Filed July 8, 1946. Serial No. 505,209.

Slumber Sox

FOR KNITTED COVERING FOR THE FEET.
Claims use since November 1940.

431,542. (CLASS 39. CLOTHING.) WALTER THORNTON, New York, N. Y. Filed July 13, 1946. Serial No. 505,629.

Walter Thornton Pin-Up Swim Suit

FOR BATHING SUITS.
Claims use since Jan. 1, 1944.

431,543. (CLASS 39. CLOTHING.) THE BROWNING KING CO. OF NEW YORK, INC., New York, N. Y. Filed July 17, 1946. Serial No. 505,730.

Ever Lustrous

FOR OUTER SHIRTS, PAJAMAS, AND UNDERWEAR FOR MEN.
Claims use since May 1, 1945.

431,544. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed July 18, 1946. Serial No. 505,857.



FOR WOOL FELT HAT BODIES.
Claims use since Mar. 1, 1946.

431,545. (CLASS 38. PRINTS AND PUBLICATIONS.) MEDIA PUBLISHING COMPANY, Media, Pa. Filed July 26, 1946. Serial No. 506,331.

DELAWARE COUNTY COMMERCE

FOR PERIODICAL PUBLICATION.
Claims use since Apr. 29, 1946.

431,546. (CLASS 39. CLOTHING.) C. H. MASLAND & SONS, Carlisle, Pa. Filed Aug. 5, 1946. Serial No. 506,881.

MASLAND

FOR SPORTSWEAR—NAMELY, HUNTING AND FISHING COATS, VESTS, AND JACKETS, EQUIPPED WITH DETACHABLE GAME POCKETS AND FISH CREELS TAILORED AS PART OF THE GARMENT ASSEMBLY AND SOLD THEREWITH EXCEPT WHEN SOLD AS REPLACEMENTS, AND CAPES.
Claims use since Mar. 20, 1946.

431,547. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PASCAL M. KELLY, El Paso, Tex. Filed Aug. 7, 1946. Serial No. 507,007.

KELLY

FOR BELT BUCKLES, TIE CLASPS OR TIE HOLDERS, AND BAR PINS ALL MADE OF PRECIOUS OR SEMI-PRECIOUS METALS.
Claims use since June 1939.

431,548. (CLASS 38. PRINTS AND PUBLICATIONS.) STYLE PUBLICATIONS, INC., New York, N. Y. Filed Aug. 14, 1946. Serial No. 507,437.

your own Home

FOR MONTHLY MAGAZINE.
Claims use since Nov. 20, 1945.

431,549. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DOC KIRBY, doing business as Kirby Sales Co., Hereford, Tex. Filed Sept. 13, 1946. Serial No. 509,012.



The lining in the drawing is for shading purposes only.
FOR POSTHOLE DIGGERS, POSTHOLE DIGGER AUGERS, AND POSTHOLE DIGGER BEARINGS.
Claims use since December 1945.

431,550. (CLASS 39. CLOTHING.) BORGENICHT BROS., INC., New York, N. Y. Filed Oct. 5, 1946. Serial No. 510,300.

"A Sister-Lee Fashion"

FOR CHILDREN'S DRESSES.
Claims use since June 1941.

431,551. (CLASS 39. CLOTHING.) F. WEINBERG, INC., New York, N. Y. Filed Oct. 5, 1946. Serial No. 510,370.

Flo Weinberg

FOR LADIES' BED JACKETS.
Claims use since Sept. 1, 1945.

431,552. (CLASS 39. CLOTHING.) SULLY HATS, Dallas, Tex. Filed Oct. 15, 1946. Serial No. 510,906.

Sully

FOR LADIES', MISSES', AND CHILDREN'S HATS.
Claims use since 1941.

431,553. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) HAROLD N. SHAW, Erie, Pa. Filed Oct. 31, 1946. Serial No. 511,837.

Flasheat

FOR ELECTRIC HEATING ELEMENTS.
Claims use since July 31, 1941.

431,554. (CLASS 12. CONSTRUCTION MATERIALS.) THE UNION FIRE BRICK COMPANY, Grantsville, Md., and Pittsburgh,, Pa. Filed Dec. 5, 1946. Serial No. 513,783.

MT. SAVAGE

FOR FIRE BRICK.
Claims use since Jan. 15, 1895.

431,555. (CLASS 12. CONSTRUCTION MATERIALS.) ALBERT STORMS & Co., New York, N. Y. Filed Mar. 1, 1947. Serial No. 518,336.

STORMTITE WINDOWS

FOR METAL WINDOWS AND FRAMES.
Claims use since Mar. 3, 1945.

TRADE-MARK REGISTRATIONS RENEWED

29,166. **BÉNÉDICTINE.** A LIQUOR. Registered Nov. 17, 1896. SOCIÉTÉ ANONYME DE LA DISTILLERIE DE LA LIQUEUR BÉNÉDICTINE DE L'ABBAYE DE FÉCAMP. Re-renewed Nov. 17, 1946, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Class 49.

29,261. **"BOSISTO'S PARROT BRAND OIL OF EUCALYPTUS" ETC. AND DRAWING.** OIL OF EUCALYPTUS OR RHEUMATIC OIL. Registered Dec. 8, 1896. J. BOSISTO & Co. Re-renewed Dec. 8, 1946, to J. Bosisto & Co., Proprietary Limited, Richmond, Victoria, Australia, a company organized according to the laws of the State of Victoria, Commonwealth of Australia. Class 6.

29,556. **"B" AND DIAMOND-SHAPED FIGURE.** COAL-TAR PRODUCTS, EXCEPTING DYES. Registered Feb. 2, 1897. BARRETT MANUFACTURING COMPANY, Philadelphia, Pa. Re-renewed Feb. 2, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

29,704. **"PROF. ROUBIQUET'S GREAT DISCOVERY" AND REPRESENTATION OF HORSE AND JOCKEY ETC.** LINIMENT DESIGNED ESPECIALLY FOR USE UPON HORSES. Registered Mar. 16, 1897. CHARLES H. LANYON. Re-renewed Mar. 16, 1947, to Lester H. Lanyon, Chicago, Ill. Class 6.

29,795. **HORLICK'S DIASTOID.** MALTED DRY FOOD EXTRACTS. Registered Apr. 6, 1897. HORLICK'S FOOD CO. Re-renewed Apr. 6, 1947, to Horlicks Corporation, Racine, Wis., a corporation of Delaware. Class 46.

56,565. **FAMOUS OHIO.** CULTIVATORS, STALK-CUTTERS, HARROWS, BEAN-HARVESTERS, AND CORN-PLANTERS. Registered Oct. 9, 1906. THE OHIO CULTIVATOR COMPANY. Re-renewed Oct. 9, 1946, to National Farm Machinery Cooperative, Incorporated, Bellevue, Ohio, a corporation of Indiana. Class 23.

57,684. **"D. O. M" ETC. AND CIRCLE DESIGN.** LIQUEUR. Registered Nov. 27, 1906. SOCIÉTÉ ANONYME DE LA DISTILLERIE DE LA LIQUEUR BÉNÉDICTINE DE L'ABBAYE DE FÉCAMP. Re-renewed Nov. 27, 1946, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Class 49.

57,712. **"CAMPBELL'S TABASCO-KETCHUP" AND DESIGN.** CATCHUP. Registered Nov. 27, 1906. JOSEPH CAMPBELL COMPANY. Re-renewed Nov. 27, 1946, to Campbell Soup Company, Camden, N. J., a corporation of New Jersey. Class 46.

58,206. **"STERLING" AND REPRESENTATION OF AN ELECTRIC CABLE ETC.** WIRES AND CABLES INSULATED FOR ELECTRICAL PURPOSES. Registered Dec. 11, 1906. STANDARD UNDERGROUND CABLE COMPANY, Pittsburgh, Pa. Re-renewed Dec. 11, 1946, to General Cable Corporation, New York, N. Y., a corporation of New Jersey. Class 21.

58,495. **"MASPERO FRÈRES LIMITED" ETC. AND REPRESENTATION OF HEAD OF A SPHINX WITHIN A SEAL.** CIGARETTES. Registered Dec. 18, 1906. MASPERO FRÈRES, LIMITED, London, England, and Cairo, Egypt. Re-renewed Dec. 18, 1946, to Maspero Frères, Limited, London, England, a corporation organized under the laws of Great Britain. Class 17.

58,531. **U. S. G. CO'S.** SILVER, LEAD, OR PLUMBAGO FOUNDRY-FACINGS, AND PULVERIZED GRAPHITE, (NOT CRUDE). Registered Dec. 18, 1906. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed Dec. 18, 1946. Class 1.

59,032. **LUX.** SOAP AND SOAP POWDER. Registered Jan. 1, 1907. LEVER BROTHERS COMPANY, Portland, Maine, and Cambridge, Mass. Re-renewed Jan. 1, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

59,044. **NATIONAL.** PLAYING-CARDS. Registered Jan. 1, 1907. THE UNITED STATES PLAYING CARD COMPANY. Re-renewed Jan. 1, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

59,054. **REPRESENTATION OF AN ARROW AND TARGET.** TIN AND TERNE PLATE. Registered Jan. 1, 1907. N. & G. TAYLOR CO., Philadelphia, Pa. Re-renewed Jan. 1, 1947, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. Class 14.

59,137. **REPRESENTATION OF A BEE-HIVE.** PLAYING-CARDS. Registered Jan. 1, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Jan. 1, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

59,311. **A RED TRIANGLE.** SASH-CORD. Registered Jan. 8, 1907. THE J. E. FRICKE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Jan. 8, 1947. Class 7.

59,412. **GOLDENE.** WASHING-POWDER. Registered Jan. 8, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed Jan. 8, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

59,422. **REPRESENTATION OF A HORSESHOE.** SILVER-PLATED WARE COMPRISING FLAT AND HOLLOW WARE AND CUTLERY. Registered Jan. 8, 1907. WM. A. ROGERS LTD., New York, N. Y. Re-renewed Jan. 8, 1947, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 28.

59,446. **REPRESENTATION OF A PAIR OF CLASPED HANDS.** SOAP. Registered Jan. 8, 1907. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Re-renewed Jan. 8, 1947. Class 4.

59,455. **REPRESENTATION OF A SEATED FEMALE FIGURE KNOWN AS "BRITTANIA" ETC.** VARNISH AND JAPANS. Registered Jan. 8, 1907. ROBT. INGHAM CLARK & CO., LTD. Re-renewed Jan. 8, 1947, to Pinchin, Johnson & Co., Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 16.

59,505. **MEXICAN.** LUBRICATING-GRAPHITE, GRAPHITE CABLE GREASE, GRAPHITE AXLE-GREASE, GRAPHITE JOURNAL AND GEAR GREASE, GRAPHITE AUTOLUBRICANT AND GRAPHITE CUP-GREASE. Registered Jan. 8, 1907. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed Jan. 8, 1947. Class 15.

59,701. **"STANDARD" AND BLUE PENNANT.** PLAYING-CARDS. Registered Jan. 15, 1907. HOME GAME COMPANY, Chicago, Ill. Re-renewed Jan. 15, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

59,991. **REPRESENTATION OF A RAT.** RAT, VERMIN, AND INSECT DESTROYERS AND EXTERMINATORS. Registered Jan. 22, 1907. EPHRAIM S. WELLS. Re-renewed Jan. 22, 1947, to Estate of E. S. Wells, Jersey City, N. J., a testamentary trust. Class 6.

60,075. **GOLD DUST.** WASHING-POWDERS. Registered Jan. 29, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed Jan. 29, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

60,293. **TWIGS.** PRETZELS. Registered Feb. 5, 1907. OAKDALE BAKING COMPANY. Re-renewed Feb. 5, 1947, to American Cone & Pretzel Company, Philadelphia, Pa., a corporation of West Virginia. Class 46.

60,304. **"WHITE TOP ASBESTOS ROOFING" AND BLACK AND WHITE SHIELD BACKGROUND DESIGN.** ASBESTOS ROOFING. Registered Feb. 5, 1907. H. W. JOHNS-MANVILLE COMPANY. Re-renewed Feb. 5, 1947, to Johns-Manville Corporation, New York, N. Y., a corporation of New York. Class 12.

60,313. **REPRESENTATION OF A BEE.** PLAYING-CARDS. Registered Feb. 5, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 5, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,314. **92.** PLAYING-CARDS. Registered Feb. 5, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 5, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,319. **"MEXICAN" AND REPRESENTATION OF A MEXICAN MAN.** SILVER, LEAD OR PLUMBAGO FOUNDRY FACINGS AND PULVERIZED GRAPHITE. Registered Feb. 5, 1907. THE UNITED STATES GRAPHITE CO., Saginaw, Mich., a corporation of Michigan. Re-renewed Feb. 5, 1947. Class 1.

60,345. **"THE TRIUMPH H L" AND DRAWING.** UPPER-LEATHER FOR SHOES. Registered Feb. 5, 1907. HERMANN LOEWENSTEIN. Re-renewed Feb. 5, 1947, to Hermann Loewenstein, Inc., New York, N. Y., a corporation of New York. Class 1.

60,460. **OAKDALE.** PRETZELS, CAKES, CRACKERS, BISCUITS, AND BREAD. Registered Feb. 12, 1907. OAKDALE BAKING COMPANY. Re-renewed Feb. 12, 1947, to American Cone & Pretzel Company, Philadelphia, Pa., a corporation of West Virginia. Class 46.

60,469. **REPRESENTATION OF A PORTION OF A PENCIL AND AN ERASER WITH A BLUE BAND.** LEAD-PENCILS AND POINT-PROTECTORS. Registered Feb. 12, 1907. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Re-renewed Feb. 12, 1947, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Class 37.

60,618. **22.** PLAYING-CARDS. Registered Feb. 12, 1907. THE UNITED STATES PLAYING CARD CO. Re-renewed Feb. 12, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,693. **AMAZON.** READY TAR AND FELT ROOFING. Registered Feb. 19, 1907. BARRETT MANUFACTURING COMPANY. Re-renewed Feb. 19, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 12.

60,825. **TRICOPHEROUS.** MEDICATED PREPARATION FOR THE HAIR, SCALP, AND SKIN. Registered Feb. 19, 1907. BARCLAY & BARCLAY. Re-renewed Feb. 19, 1947, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York. Class 6.

60,907. **REPRESENTATION OF AN ANGEL.** PLAYING-CARDS. Registered Feb. 26, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 26, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,908. **REPRESENTATION OF AN ANGEL.** PLAYING-CARDS. Registered Feb. 26, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 26, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,909. **REPRESENTATION OF ANGEL WITH CARDS IN HAND.** PLAYING-CARDS. Registered Feb. 26, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 26, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

60,910. **REPRESENTATION OF ANGEL IN SWING.** PLAYING-CARDS. Registered Feb. 26, 1907. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y. Re-renewed Feb. 26, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

61,055. **"THE NATIONAL REFINING CO. CLEVELAND, O. WHITE ROSE STOVE GASOLINE" AND DRAWING.** STOVE-GASOLENE. Registered Mar. 5, 1907. THE NATIONAL REFINING COMPANY. Re-renewed Mar. 5, 1947, to The National Refining Company, Cleveland, Ohio, a corporation of Ohio. Class 15.

61,057. **PURINA.** CORNMEAL, WHEAT-FLOUR, CEREAL BREAKFAST FOOD, AND PANCAKE-FLOUR. Registered Mar. 5, 1907. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Mar. 5, 1947. Class 46.

61,080. **"RED SEAL ENGINE OIL THE NATIONAL REFINING CO. CLEVELAND, O." ETC. AND DRAWING.** LUBRICATING-OIL. Registered Mar. 5, 1907. THE NATIONAL REFINING COMPANY. Re-renewed Mar. 5, 1947, to The National Refining Company, Cleveland, Ohio, a corporation of Ohio. Class 15.

61,232. **"BARCLAY & CO. NEW YORK" ETC. AND DESIGN.** MEDICINAL SYRUP, MEDICINAL PILLS, LINIMENT, PAIN RELIEF, HAIR-TONIC, HAIR-DYE, TOOTH-POWDER, FACE-LOTION, AND PERFUMERY. Registered Mar. 12, 1907. BARCLAY & BARCLAY. Re-renewed Mar. 12, 1947, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York. Class 6.

61,261. **CREONOID.** INSECTICIDES. Registered Mar. 12, 1907. NATIONAL COAL TAR COMPANY, Wilmington, Del., and Boston, Mass. Re-renewed Mar. 12, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

61,285. **REUTER.** SOAP FOR TOILET AND MEDICINAL PURPOSES. Registered Mar. 12, 1907. BARCLAY & BARCLAY. Re-renewed Mar. 12, 1947, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York. Class 4.

61,286. **"BARCLAY & CO. NEW YORK" ETC. AND DESIGN.** SOAP. Registered Mar. 12, 1907. BARCLAY & BARCLAY. Re-renewed Mar. 12, 1947, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York. Class 4.

61,307. **"NATIONAL LIGHT OIL THE NATIONAL REFINING CO. CLEVELAND, O." ETC. AND DRAWING.** ILLUMINATING-OIL. Registered Mar. 12, 1907. THE NATIONAL REFINING COMPANY. Re-renewed Mar. 12, 1947, to The National Refining Company, Cleveland, Ohio, a corporation of Ohio. Class 15.

61,437. **"CONFECTIONERS JOURNAL" ETC.** PERIODICAL. Registered Mar. 19, 1907. THE CONFECTIONERS JOURNAL PUBLISHING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Mar. 19, 1947. Class 38.

61,530. **DEFENDUM.** HIGH-GRADE PAPER FOR USE IN WRITING, PRINTING, AND ENGRAVING. Registered Mar. 26, 1907. PARSONS PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Mar. 26, 1947. Class 37.

61,587. **SCOTCH.** HIGH-GRADE PAPER FOR USE IN WRITING, PRINTING, AND ENGRAVING. Registered Mar. 26, 1907. PARSONS PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Mar. 26, 1947. Class 37.

61,588. **MERCANTILE BOND.** HIGH-GRADE PAPER FOR USE IN WRITING, PRINTING AND ENGRAVING. Registered Mar. 26, 1907. PARSONS PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Mar. 26, 1947. Class 37.

61,589. **OLD HAMPDEN.** HIGH-GRADE PAPER FOR USE IN WRITING, PRINTING, AND ENGRAVING. Registered Mar. 26, 1907. PARSONS PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Mar. 26, 1947. Class 37.

61,694. **BLUE-JAY.** CORN AND BUNION PLASTERS. Registered Apr. 2, 1907. BAUER & BLACK, Chicago, Ill. Re-renewed Apr. 2, 1947, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts. Class 6.

61,824. **"LOG CABIN" AND REPRESENTATION OF A LOG CABIN ETC.** PANCAKE-FLOUR. Registered Apr. 9, 1907. THE TOWLE SYRUP COMPANY, St. Paul, Minn. Re-renewed Apr. 9, 1947, to Igleheart Brothers, Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

61,841. **"BUFFALO BRAND" AND REPRESENTATION OF HEAD OF A BUFFALO.** SEWING-COTTON OR COTTON THREAD. Registered Apr. 9, 1907. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Re-renewed Apr. 9, 1947. Class 43.

61,937. **REPRESENTATION OF A BLUE JAY.** CORN AND BUNION PLASTERS. Registered Apr. 9, 1907. BAUER & BLACK, Chicago, Ill. Re-renewed Apr. 9, 1947, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts. Class 6.

61,962. **"LOG CABIN" AND REPRESENTATION OF A LOG CABIN ETC.** MAPLE SYRUP AND MOLASSES. Registered Apr. 9, 1907. THE TOWLE SYRUP COMPANY, St. Paul, Minn. Re-renewed Apr. 9, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

61,963. **"LOG CABIN PENOCHE" AND REPRESENTATION OF LOG CABIN ETC.** SYRUP. Registered Apr. 9, 1907. THE TOWLE SYRUP COMPANY, St. Paul, Minn. Re-renewed Apr. 9, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

61,964. **"LOG CABIN CAMP" AND REPRESENTATION OF A LOG CABIN ETC.** SYRUP. Registered Apr. 9, 1907. THE TOWLE SYRUP COMPANY, St. Paul, Minn. Re-renewed Apr. 9, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

62,022. **CIRCULAR DESIGN ETC.** ALL KINDS OF COTTON THREAD. Registered Apr. 16, 1907. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Re-renewed Apr. 16, 1947. Class 43.

62,127. **SEISMOTITE.** ABRASIVE CLEANSING, POLISHING, AND SCOURING PREPARATION. Registered Apr. 23, 1907. THE CUDAHY PACKING COMPANY, Chicago, Ill., and South Omaha, Nebr. Re-renewed Apr. 23, 1947, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Class 4.

62,178. **RESERVE.** DRY BATTERIES. Registered Apr. 23, 1907. NATIONAL CARBON COMPANY, Cleveland, Ohio. Re-renewed Apr. 23, 1947, to National Carbon Company, Inc., New York, N. Y., a corporation of New York. Class 21.

62,214. **PANCREOPEPSINE.** PREPARATIONS FOR THE CURE OF INDIGESTION, DYSPEPSIA, SICK-STOMACH AND LIKE OR ALLIED AILMENTS. Registered Apr. 23, 1907. WILLIAM R. WARNER & CO., Philadelphia, Pa. Re-renewed Apr. 23, 1947, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware. Class 6.

62,385. **DRAGON.** SPOOL-COTTON AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed May 7, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

62,387. **IVERTON.** SPOOL-COTTON, SEWING-COTTON AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed May 7, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

62,388. **WILLIMANTIC.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered May 7, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed May 7, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

62,460. **RALSTON.** CEREAL BREAKFAST FOOD. Registered May 7, 1907. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed May 7, 1947. Class 46.

62,496. **"THE PURITAN" AND REPRESENTATION OF PURITAN GIRL ETC.** LIQUID WOOD-FILLER. Registered May 7, 1907. THE GLIDDEN VARNISH COMPANY. Re-renewed May 7, 1947, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

62,522. **REPRESENTATION OF A PORTLAND VASE UPON WHICH APPEARS FEMALE FIGURES ETC.** EARTHENWARE AND PORCELAIN. Registered May 14, 1907. JOSIAH WEDGWOOD & SONS LTD., Etruria, England. Re-renewed May 14, 1947, to Josiah Wedgwood & Sons Ltd., Barlaston, Stoke-upon-Trent, England, a corporation organized under the laws of the Kingdom of Great Britain. Class 30.

62,523. **"MOSS ROSE" AND REPRESENTATION OF A ROSE.** TAPESTRY CHENILLE, TAPESTRY AND VELOUR. Registered May 14, 1907. MOSS ROSE MANUFACTURING COMPANY. Re-renewed May 14, 1947, to Moss Rose Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 42.

62,565. **AIR-CUSHION FINISH.** PLAYING CARDS. Registered May 14, 1907. THE UNITED STATES PLAYING CARD CO. Re-renewed May 14, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

62,577. **"CRESCENT" AND REPRESENTATION OF CRESCENT.** SASH-FASTENERS. Registered May 14, 1907. THE H. B. IVES COMPANY, New Haven, Conn., a corporation of Connecticut. Re-renewed May 14, 1947. Class 25.

62,613. **NOVASPIRIN.** ANALGESIC AND ANTIRHEUMATIC. Registered May 14, 1907. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Elberfeld, Germany. Re-renewed May 14, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

62,662. **"KEYSTONE" ETC. AND DESIGN.** FINISHING PRODUCT WHICH IS A COMBINATION OF PAINT AND VARNISH. Registered May 21, 1907. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Re-renewed May 21, 1947. Class 16.

62,679. **BOTANIC BLOOD BALM.** A REMEDY FOR THE ALLEVIATION AND CURE OF BLOOD DISEASES. Registered May 21, 1907. BLOOD BALM COMPANY, Atlanta, Ga. Re-renewed May 21, 1947, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

62,684. **"FATHER JOHN'S" AND REPRESENTATION OF A PRIEST.** A REMEDY FOR LUNG AND THROAT TROUBLES, A BODY-BUILDER, HEALTH FOOD, AND NUTRITIVE BLOOD AND NERVE TONIC. Registered May 21, 1907. CARLETON & HOVEY. Re-renewed May 21, 1947, to Father John's Medicine Company, Inc., Lowell, Mass., a corporation of New Jersey. Class 6.

62,714. **"J.H. CUTTER A. NO. 1. OLD BOURBON" ETC. AND REPRESENTATION OF A BARREL.** WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Re-renewed May 21, 1947, to C. P. Moorman & Company, Louisville, Ky., a corporation of Kentucky. Class 49.

62,715. **"J.H. CUTTER. A No. 1. OLD BOURBON" ETC. AND DRAWING.** WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Re-renewed May 21, 1947, to C. P. Moorman & Company, Louisville, Ky., a corporation of Kentucky. Class 49.

62,716. **"J.H. CUTTER. PURE OLD RYE." AND DRAWING.** WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Re-renewed May 21, 1947, to C. P. Moorman & Company, Louisville, Ky., a corporation of Kentucky. Class 49.

62,717. **"J.H.C." ETC. AND REPRESENTATION OF A BARREL.** WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Re-renewed May 21, 1947, to C. P. Moorman & Company, Louisville, Ky., a corporation of Kentucky. Class 49.

62,722. **KENTUCKY CLUB.** WHISKY. Registered May 21, 1907. THE DAVIESS COUNTY DISTILLING CO., Owensboro, Ky. Re-renewed May 21, 1947, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia. Class 49.

62,733. **A FIVE POINTED STAR HAVING THEREON A CIRCULAR PANEL CONTAINING A WHITE FIVE POINTED STAR.** WHISKY. Registered May 21, 1907. FREDERICK C. RENZIEHAUSEN, Pittsburgh, Pa. Re-renewed May 21, 1947, to A. Overholt & Co., Inc., Broad Ford, Pa., a corporation of Pennsylvania. Class 49.

62,758. **MORSE.** CALIPERS AND GAGES. Registered May 21, 1907. MORSE TWIST DRILL & MACHINE COMPANY, New Bedford, Mass., a corporation of Massachusetts. Re-renewed May 21, 1947. Class 26.

62,768. **"J.H. CUTTER. OLD RESERVE." AND DRAWING.** WHISKY. Registered May 21, 1907. C. P. MOORMAN & COMPANY, INC. Re-renewed May 21, 1947, to C. P. Moorman & Company, Louisville, Ky., a corporation of Kentucky. Class 49.

62,778. **A & P.** SOAPS IN POWDERED AND CAKE FORMS. Registered May 28, 1907. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed May 28, 1947. Class 4.

62,908. **RED SEAL.** DRY BATTERIES. Registered May 28, 1907. MANHATTAN ELECTRICAL SUPPLY COMPANY, Jersey City, N. J., and New York, N. Y. Re-renewed May 28, 1947, to National Carbon Company, Inc., New York, N. Y., a corporation of New York. Class 21.

62,926. **A & P.** CONDENSED MILK, EVAPORATED MILK AND BUTTER. Registered May 28, 1907. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed May 28, 1947. Class 46.

62,927. **SULTANA.** CANNED VEGETABLES AND SPICES. Registered May 28, 1907. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed May 28, 1947. Class 46.

203,970. **KOLSTER.** COILS USED IN RADIO APPARATUS. Registered Sept. 29, 1925. FEDERAL TELEGRAPH COMPANY, San Francisco, Calif. Renewed Sept. 29, 1945, to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware. Class 21.

209,039. **AEROWALK.** HEEL CUSHIONS. Registered Feb. 16, 1926. THE SILVERITE CO. Renewed Feb. 16, 1946, to Silverite Gutterman Co., Boston, Mass., a corporation of Massachusets. Class 39.

216,137. **"BEACON" ETC. AND DRAWING.** CONDENSERS, JACKS, PLUGS, RHEOSTATS, DIALS, RADIO RECEIVING SETS, AND PARTS THEREOF. Registered Aug. 3, 1926. BEACON RADIO MFG. CO., INC., Brooklyn, N. Y. Renewed Aug. 3, 1946, to Pilot Radio Corporation, Long Island City, N. Y., a corporation of New York. Class 21.

217,117. **TRYME.** FOOD-FLAVORING EXTRACTS. Registered Aug. 24, 1926. DAVIS MANUFACTURING COMPANY. Renewed Aug. 24, 1946, to Davis Manufacturing Co., Inc., Knoxville, Tenn., a corporation of Tennessee. Class 46.

219,621. **"PENNY WEIGHT".** CAPS AND HATS FOR MEN AND WOMEN. Registered Oct. 19, 1926. DISNEY HATS, New York, N. Y. Renewed Oct. 19, 1946, to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut. Class 39.

219,642. **DISNEY.** CAPS AND HATS FOR MEN AND WOMEN. Registered Oct. 19, 1926. DISNEY HATS, New York, N. Y. Renewed Oct. 19, 1946, to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut. Class 39.

221,028. **CHILI-LILLI.** CONDIMENT SIMILAR TO CHILI SAUCE. Registered Nov. 23, 1926. PAXTON & GALLAGHER CO., Omaha, Nebr., a corporation of Nebraska. Renewed Nov. 23, 1946. Class 46.

221,056. **JACKLASTIC.** ELASTIC BOTTOMS FOR USE ON PARTS OF GARMENTS—NAMELY, THE BOTTOMS, CUFFS AND NECKS OF SWEATERS, LUMBERJACKS, WIND-BREAKERS AND SHIRTS. Registered Nov. 23, 1926. THE RUSSELL MANUFACTURING COMPANY, Middletown, Conn., a corporation of Connecticut. Renewed Nov. 23, 1946. Class 39.

221,121. **LISTERINE.** BATH SALTS. Registered Nov. 23, 1926. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Renewed Nov. 23, 1946, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware. Class 6.

221,251. **CREPITINE.** SOLVENT FOR PAINTS, VARNISHES AND LACQUER. Registered Nov. 23, 1926. THE FRIES & FRIES COMPANY, Cincinnati, Ohio. Renewed Nov. 23, 1946, to Kay Fries Chemicals Inc., West Haverstraw, N. Y., a corporation of New York. Class 16.

221,457. **"MAPLE LEAF BRAND", REPRESENTATION OF MAPLE LEAF AND DESIGN.** DRESSED POULTRY. Registered Nov. 30, 1926. ALEX GETZ. Renewed Nov. 30, 1946, to Meyer Litman, Chicago, Ill. Class 46.

221,548. **"MORTEN MILLING CO. LA FRANCE" FLORAL DESIGN ETC.** WHEAT FLOUR. Registered Dec. 7, 1926. MORTEN MILLING COMPANY. Renewed Dec. 7, 1946, to Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex., a corporation of Delaware. Class 46.

221,586. **"PYRAMID CONCRETE PRODUCTS PERMANENT AS THE PYRAMIDS" ETC. AND A REPRESENTATION OF A PYRAMID.** CONCRETE PIPES. Registered Dec. 7, 1926. CONCRETE PIPE COMPANY, Portland, Oreg., a corporation of Oregon. Renewed Dec. 7, 1946. Class 12.

221,647. **"FAVORITA" ETC. AND REPRESENTATION OF COW'S HEAD.** SWEETENED CONDENSED MILK. Registered Dec. 7, 1926. AMERICAN MILK PRODUCTS CORPORATION. Renewed Dec. 7, 1946, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware. Class 46.

221,667. **UNITRIM.** COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. Registered Dec. 7, 1926. J. SCHOENEMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Dec. 7, 1946. Class 39.

221,681. **"STAR CROSS" AND DESIGN COLORED RED AND BLUE.** CANNED TOMATOES AND CANNED SAUERKRAUT. Registered Dec. 7, 1926. CARL R. HIRZEL. Renewed Dec. 7, 1946, to Karl A. Hirzel, doing business as Hirzel Canning Company, Toledo, Ohio. Class 46.

221,745. **"PEACOCK" AND PICTURE OF A PEACOCK.** SWEETENED CONDENSED MILK. Registered Dec. 7, 1926. AMERICAN MILK PRODUCTS CORPORATION. Renewed Dec. 7, 1946, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware. Class 46.

221,800. **"GLORIA" AND REPRESENTATION OF A FLOWER.** UNSWEETENED EVAPORATED MILK. Registered Dec. 14, 1926. AMERICAN MILK PRODUCTS CORPORATION. Renewed Dec. 14, 1946, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware. Class 46.

222,215. **PAINT-O-CLEAN.** CLEANSER FOR PAINTED, VARNISHED, AND ENAMELED SURFACES, MARBLE, TERRA COTTA, AND TILE. Registered Dec. 28, 1926. THE SKIDOO COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Dec. 28, 1946. Class 4.

222,284. **CREPITINE.** ALCOHOL DENATURANT, A CHEMICAL REAGENT AND A PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION USED IN COMPOUNDING MORPHINE WITH THE RESULT OF ADDING TO THE HYPNOTIC PROPERTIES THEREOF AND FOR USE WHERE A SEDATIVE OR THE LIKE IS PROVIDED. Registered Dec. 28, 1926. THE FRIES & FRIES COMPANY, Cincinnati, Ohio. Renewed Dec. 28, 1946, to Kay Fries Chemicals Inc., West Haverstraw, N. Y., a corporation of New York. Class 6.

222,521. **"E V" AND REPRESENTATION OF VALVE WITHIN A CIRCLE OUTLINE.** VALVES FOR CONTROLLING THE FLOW OF FLUIDS—NAMELY, GLOBE AND ANGLE STOP VALVES, CHECK VALVES, STOP AND CHECK VALVES, AND OTHER NAMED VALVE ITEMS. Registered Jan. 4, 1927. THE EDWARD VALVE AND MANUFACTURING CO. Renewed Jan. 4, 1947, to Edward Valves, Incorporated, East Chicago, Ind., a corporation of Illinois. Class 13.

222,541. **"STA-PUT" AND DESIGN.** FIREPLACE DAMPERS. Registered Jan. 4, 1927. MATHIAS J. SKUBE. Renewed Jan. 4, 1947, to Mary T. Stoeckert, Seattle, Wash. Class 34.

222,580. **"STEARODINE" AND BACKGROUND DESIGN.** CALCIUM IDOSTEARATE FOR THE PREVENTION AND TREATMENT OF GOITER. Registered Jan. 4, 1927. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Jan. 4, 1947. Class 6.

222,602. **THE INDEX.** PERIODICAL PUBLISHED MONTHLY. Registered Jan. 4, 1927. THE NEW YORK TRUST COMPANY, New York, N. Y., a New York banking corporation. Renewed Jan. 4, 1947. Class 38.

222,658. **"LAVACOL" AND BACKGROUND DESIGN.** RUBBING ALCOHOL COMPOUND. Registered Jan. 4, 1927. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Jan. 4, 1947. Class 6.

222,704. **GAS-O-CLENZ.** DRY CLEANER. Registered Jan. 4, 1927. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed Jan. 4, 1947, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 4.

222,809. **TRAVELUXE.** TALCUM POWDER, FACE POWDER, FOUNDATION CREAM, VANISHING CREAM, COLD CREAM, CONTOUR CREAM, AND PERFUME. Registered Jan. 11, 1927. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 6.

222,813. **VENOM.** INSECTICIDE. Registered Jan. 11, 1927. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed Jan. 11, 1947, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 6.

222,894. **"MOTOR CITY" AND DRAWING.** PAPER CANS, MAILING TUBES, PAPER CARTONS, CASES, DISKS. Registered Jan. 11, 1927. ALBERT A. SCHAERER, doing business as Motor City Paper Tube Co. Renewed Jan. 11, 1947, to Motor City Paper Tube Company, Detroit, Mich., a corporation of Michigan. Class 2.

222,989. **GULF PENETRATING OIL.** LUBRICATING OIL. Registered Jan. 11, 1927. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed Jan. 11, 1947, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 15.

222,990. **GULF HIGH PRESSURE GREASE.** LUBRICATING GREASE. Registered Jan. 11, 1927. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed Jan. 11, 1947, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 15.

223,081. **"RED SEAL FLASHLIGHT" AND RED SEAL.** FLASH LIGHTS, SEARCHLIGHTS, AND PARTS THEREOF. Registered Jan. 18, 1927. MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y., assignor to National Carbon Company, Inc. Renewed Jan. 18, 1947, to National Carbon Company, Inc., New York, N. Y., a corporation of New York. Class 21.

223,121. **MANUFACTURERS RECORD.** WEEKLY MAGAZINE. Registered Jan. 18, 1927. MANUFACTURERS RECORD PUBLISHING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed Jan. 18, 1947. Class 38.

223,413. **AMPYDIN.** COAL-TAR PRODUCT USED FOR MEDICINAL PURPOSES AS AN ANALGESIC. Registered Feb. 1, 1927. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed Feb. 1, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

223,442. **BARETEX.** SOLVENTS IN THE NATURE OF BENZOL AND ITS HOMOLOGUES. Registered Feb. 1, 1927. THE BARRETT COMPANY. Renewed Feb. 1, 1947, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

223,702. **" W WHEELING" ETC. AND DESIGN.** WASH-TUBS. Registered Feb. 8, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 8, 1947. Class 24.

223,711. **"KATHLEEN" AND TWO PARALLEL LINES.** WOMEN'S, MISSES' AND CHILDREN'S SHOES OF LEATHER OR OF FABRIC OR OF LEATHER AND FABRIC. Registered Feb. 8, 1927. OPPENHEIM, COLLINS & CO., INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; Newark, N. J., Philadelphia, Pa., etc. Renewed Feb. 8, 1947, to Oppenheim, Collins & Co. Inc., New York, N. Y., a corporation of Delaware. Class 39.

223,898. **THE LEXICOGRAPHER'S EASY CHAIR.** A MAGAZINE SECTION. Registered Feb. 15, 1927. FUNK & WAGNALLS COMPANY, New York, N. Y., a corporation of Delaware. Renewed Feb. 15, 1947. Class 38.

223,930. **"W WHEELING" ETC. AND DESIGN.** PAILS, ASH CANS, GARBAGE CANS, GALVANIZED BASKETS, WELL BUCKETS, OIL CANS, COAL HODS, AND BRICK AND MORTAR HODS. Registered Feb. 15, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 15, 1947. Class 2.

223,977. **BEN HUR.** WRIST-WATCH BANDS OR BRACELETS OF METAL. Registered Feb. 15, 1927. EDWARD F. HERSCHEDE, Cincinnati, Ohio. Renewed Feb. 15, 1947. Class 28.

223,983. **'49 BRAND.** CANNED VEGETABLES. Registered Feb. 15, 1927. IDAHO CANNING COMPANY, LIMITED, Payette, Idaho, a corporation of Idaho. Renewed Feb. 15, 1947. Class 46.

224,145. **COLONIAL FRIED CAKES.** FRIED CAKES. Registered Feb. 22, 1927. EDWARD S. GOLDHILL. Renewed Feb. 22, 1947, to Doughnut Corporation of America, New York, N. Y., a corporation of New York. Class 46.

224,242. **"STANDARD" AND REPRESENTATION OF PENNANT.** PLAYING CARDS AND CARD GAMES. Registered Feb. 22, 1927. STANDARD PLAYING CARD CO., Chicago, Ill. Renewed Feb. 22, 1947, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

224,244. **"BUTY-CHYNE" AND BACKGROUND DESIGN.** COTTON, SILK, SILK AND COTTON MIXED, RAYON, COTTON AND RAYON MIXED, SILK AND RAYON MIXED PIECE GOODS. Registered Feb. 22, 1927. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 42.

224,258. **"FAMOUS FIFTIES" AND RECTANGULAR BORDER.** MEN'S AND BOYS' READY-TO-WEAR COATS, VESTS, TROUSERS, AND OVERCOATS. Registered Feb. 22, 1927. B. KUPPENHEIMER & CO. INC., Chicago, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 39.

224,306. **"THE SHEIK" AND REPRESENTATION OF A MAN IN A SHEIK COSTUME.** POWDER PUFFS. Registered Feb. 22, 1927. MAURICE LEVY, New York, N. Y. Renewed Feb. 22, 1947, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York. Class 29.

224,312. **"PIERROT" AND REPRESENTATION OF GIRL IN CLOWN COSTUME.** POWDER PUFFS. Registered Feb. 22, 1927. MAURICE LEVY, New York, N. Y. Renewed Feb. 22, 1947, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York. Class 29.

224,324. **IT'S A SABIN.** GLOVES MANUFACTURED FROM LEATHER, ARTIFICIAL LEATHER, AND FABRIC AND FROM THE COMBINATION OF THESE MATERIALS. Registered Feb. 22, 1927. SABIN COMPANY GLOVES. Renewed Feb. 22, 1947, to Irene E. Sabin, doing business as Sabin Company Gloves, Youngstown, Ohio. Class 39.

224,343. **HAZEL.** CANNED TOMATOES, CANNED SUGAR CORN, CANNED PEAS, CANNED SALMON, CANNED FRUITS; CEREAL FOODS—NAMELY, RICE; AND OTHER NAMED FOOD ITEMS. Registered Feb. 22, 1927. GEO. RASMUSSEN COMPANY. Renewed Feb. 22, 1947, to National Tea Co., Chicago, Ill., a corporation of Illinois. Class 46.

224,356. **GULF GLEAM.** CLEANING AND POLISHING OIL FOR FURNITURE, FLOORS, AUTOMOBILE BODIES, AND HOUSEHOLD DUSTING. Registered Feb. 22, 1927. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa. Renewed Feb. 22, 1947, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Class 16.

224,821. **"LAWRENCE UNIVERSAL ENAMEL" AND REPRESENTATION OF A TIGER WITH DESIGN.** PAINT ENAMELS. Registered Mar. 8, 1927. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Mar. 8, 1947. Class 16.

224,884. **"THE SMACK THAT OTHERS LACK".** COFFEE. Registered Mar. 8, 1927. TRIGG, DOBBS & COMPANY. Renewed Mar. 8, 1947, to Fleetwood Coffee Company, Chattanooga, Tenn., a corporation of Tennessee. Class 46.

224,909. **STAYRIB.** METAL LATH. Registered Mar. 8, 1927. MILWAUKEE CORRUGATING COMPANY. Renewed Mar. 8, 1947, to Milcor Steel Company, Milwaukee, Wis., a corporation of Delaware. Class 12.

224,978. **ΦΔΘ** FRATERNITY BADGES, LAPEL BUTTONS, SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. Registered Mar. 8, 1927. PHI DELTA THETA, Oxford, Ohio, a corporation of Ohio. Renewed Mar. 8, 1947. Class 28.

224,995. **SUPER SERVICE.** POWER-DRIVEN UPRIGHT AND RADIAL DRILLING MACHINES. Registered Mar. 8, 1927. THE CINCINNATI BICKFORD TOOL COMPANY, Oakley, Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 8, 1947. Class 23.

225,068. **REPRESENTATION OF A BAKER WITH TUB, ETC.** WHEAT FLOUR. Registered Mar. 8, 1927. CLARO MILLING COMPANY. Renewed Mar. 8, 1947, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware. Class 46.

225,096. **ABSOLUTE.** WHEAT FLOUR. Registered Mar. 8, 1927. PILLSBURY FLOUR MILLS COMPANY. Renewed Mar. 8, 1947, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

225,370. **CITY CLUB.** MALT BEVERAGES. Registered Mar. 15, 1927. JACOB SCHMIDT BREWING COMPANY, St. Paul, Minn., a corporation of Minnesota. Renewed Mar. 15, 1947. Class 48.

225,371. **SCHMIDT'S.** MALT BEVERAGES. Registered Mar. 15, 1927. JACOB SCHMIDT BREWING COMPANY, St. Paul, Minn., a corporation of Minnesota. Renewed Mar. 15, 1947. Class 48.

225,467. **"GREAT AMERICAN" AND REPRESENTATION OF AN INDIAN HEAD.** TOILET SOAP. Registered Mar. 22, 1927. THE OSKAMP NOLTING CO., Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 22, 1947. Class 4.

225,583. **"THE CHAMPION OF ORGANIZATION" ETC. AND ILLUSTRATION.** PRINTING PAPER. Registered Mar. 22, 1927. THE CHAMPION COATED PAPER COMPANY. Renewed Mar. 22, 1947, to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio. Class 37.

225,612. **REPRESENTATION OF A BAKER AND TUB, ETC. AND CIRCULAR DESIGN COLORED BLUE AND ORANGE.** WHEAT FLOUR. Registered Mar. 22, 1927. CLARO MILLING COMPANY. Renewed Mar. 22, 1947, to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware. Class 46.

225,652. **BAKWEL.** WHEAT FLOUR. Registered Mar. 22, 1927. PILLSBURY FLOUR MILLS COMPANY. Renewed Mar. 22, 1947, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

225,704. **CRESCENT.** PREPARED COCONUT. Registered Mar. 22, 1927. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Mar. 22, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

225,858. **"CORNUCOPIA" AND REPRESENTATION OF A CORNUCOPIA.** SMOKING AND CHEWING TOBACCO AND SNUFF. Registered Mar. 29, 1927. MACLIN-ZIMMER-MCGILL TOBACCO CO., INCORPORATED, Petersburg, Va., a corporation of Virginia. Renewed Mar. 29, 1947. Class 17.

225,874. **DEL DIABLO.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Mar. 29, 1927. ESCONDIDO CITRUS UNION. Renewed Mar. 29, 1947, to Escondido Lemon Association, Escondido, Calif., a corporation of California. Class 46.

225,940. **HEALTH-WAY.** SURGICAL CORSETS, CORRECTIVE SUPPORTERS, ABDOMINAL SUPPORTERS, DIAPHRAGM SUPPORTERS, SACROILIAC SUPPORTERS, BACK SUPPORTERS, AND OTHER NAMED SIMILAR ITEMS. Registered Mar. 29, 1927. WILLIAM S. RICE, INC., Adams and Buffalo, N. Y. Renewed Mar. 29, 1947, to William S. Rice, Inc., Adams, N. Y., a corporation of New York. Class 44.

226,165. **"SPORTOWN".** CLOAKS, OVERCOATS, SWEATERS, BATH ROBES, BATHING SUITS, UNDERWEAR OF KNITTED AND TEXTILE FABRIC, BELTS FOR PERSONAL WEAR, AND CERTAIN OTHER NAMED ITEMS OF CLOTHING AND WEARING APPAREL; AND SLEEPING BAGS. Registered Apr. 5, 1927. CHAIN SHIRT SHOPS INC. Renewed Apr. 5, 1947, to Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Class 39.

226,295. **GRAIN BELT.** MALT SIRUP FOR FOOD PURPOSES. Registered Apr. 5, 1927. MINNEAPOLIS BREWING COMPANY. Renewed Apr. 5, 1947, to Minneapolis Brewing Co., Minneapolis, Minn., a corporation of Minnesota. Class 46.

226,296. **"GRAIN BELT M" AND DESIGN.** MALT SYRUP FOR FOOD PURPOSES. Registered Apr. 5, 1927. MINNEAPOLIS BREWING COMPANY. Renewed Apr. 5, 1947, to Minneapolis Brewing Co., Minneapolis, Minn., a corporation of Minnesota. Class 46.

226,297. **"M" AND DESIGN.** MALT SIRUP FOR FOOD PURPOSES. Registered Apr. 5, 1927. MINNEAPOLIS BREWING COMPANY. Renewed Apr. 5, 1947, to Minneapolis Brewing Co., Minneapolis, Minn., a corporation of Minnesota. Class 46.

226,350. **KOZY.** BROODER HOUSES, HOG HOUSES, AND COOPS. Registered Apr. 5, 1927. TOM GODWIN, doing business as G. F. Manufacturing Company. Renewed Apr. 5, 1947, to Kozy Manufacturing Company, Exira, Iowa, a corporation of Iowa. Class 50.

226,351. **BONITA.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Registered Apr. 5, 1927. SWEETWATER FRUIT COMPANY, Bonita, Calif. Renewed Apr. 5, 1947, to F. H. Vahlsing, Inc., New York, N. Y., a corporation of Texas. Class 46.

226,411. **CADET.** SIDE UPPER LEATHER. Registered Apr. 5, 1927. AMERICAN HIDE AND LEATHER COMPANY, Boston, Mass., a corporation of New Jersey. Renewed Apr. 5, 1947. Class 1.

226,463. **CARBO-SEPTIC.** GARGLES FOR THROAT AFFECTIONS AND MOUTH WASHES. Registered Apr. 12, 1927. CARBO-SEPTIC CORPORATION, New York, N. Y., a corporation of New Jersey. Renewed Apr. 12, 1947. Class 6.

226,510. **PAROIDIN.** EXTRACT OF PARATHYROID GLAND. Registered Apr. 12, 1927. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Apr. 12, 1947. Class 6.

226,561. **"DR. KING'S PILLS" AND DESIGN.** REMEDIES FOR DISORDERED LIVER, BILIOUSNESS, AND CONSTIPATION, HEADACHE, LOSS OF APPETITE, DIZZINESS, JAUNDICE, FEVER AND AGUE, AND CERTAIN OTHER AILMENTS. Registered Apr. 12, 1927. H. E. BUCKLEN & COMPANY. Renewed Apr. 12, 1947, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

226,835. **THE HOOSIER MOTORIST.** MONTHLY MAGAZINE. Registered Apr. 19, 1927. THE HOOSIER MOTOR CLUB, Indianapolis, Ind., a corporation of Indiana. Renewed Apr. 19, 1947. Class 38.

226,846. **"LITTLE FENDRICH" ETC. AND PORTRAIT.** CIGARS. Registered Apr. 19, 1927. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Renewed Apr. 19, 1947. Class 17.

226,847. **"LA FENDRICH" ETC. AND PORTRAIT.** CIGARS. Registered Apr. 19, 1927. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Renewed Apr. 19, 1947. Class 17.

226,975. **"8" AND FIVE POINTED STAR IN A CIRCULAR OUTLINE.** MALT BEVERAGES. Registered Apr. 26, 1927. JACOB SCHMIDT BREWING COMPANY, St. Paul, Minn., a corporation of Minnesota. Renewed Apr. 26, 1947. Class 48.

226,984. **AMERIGRAIN.** BAG AND CASE LEATHER. Registered Apr. 26, 1927. AMERICAN HIDE AND LEATHER COMPANY, Boston, Mass., a corporation of New Jersey. Renewed Apr. 26, 1947. Class 1.

226,985. **AMHIDE.** SIDE UPPER LEATHER. Registered Apr. 26, 1927. AMERICAN HIDE AND LEATHER COMPANY, Boston, Mass., a corporation of New Jersey. Renewed Apr. 26, 1947. Class 1.

227,056. **TOOT SWEET.** CANDY LOLLIPOPS OR SUCKERS. Registered Apr. 26, 1927. MELVIN CANDY COMPANY, INC., Chicago, Ill., assignor to The Sweets Company of America, Incorporated. Renewed Apr. 26, 1947, to The Sweets Company of America, Incorporated, Hoboken, N. J., a corporation of Virginia. Class 46.

227,058. **"LONG-BELL" AND HEAVY UNDERLINES.** FINISHED AND UNFINISHED LUMBER—NAMELY, DRESSED AND PARTIALLY-DRESSED TIMBER, TIES, PLANKS, BOARDS, PILES, SASH, DOORS, AND FRAMES. Registered Apr. 26, 1927. THE LONG-BELL LUMBER COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Apr. 26, 1947. Class 12.

227,199. **HYDRAULIC PRESSED.** CANDLES. Registered May 3, 1927. SMITH & NICHOLS, INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 15.

227,218. **"IVORY" AND REPRESENTATION OF AN ELEPHANT WITH DESIGN.** TWINE, ROPE, AND CORD. Registered May 3, 1927. A. W. ARCHER CO. INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 7.

227,250. **THE NATIONAL TRIBUNE. THE STARS AND STRIPES.** WEEKLY NEWSPAPER. Registered May 3, 1927. NATIONAL TRIBUNE CORPORATION, Washington, D. C., a corporation of Delaware. Renewed May 3, 1947. Class 38.

227,292. **POUR LE SPORT.** PERFUME. Registered May 3, 1927. PECK & PECK, New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 6.

227,295. **CHARVAI.** COMPACT POWDER AND COMPACT ROUGES, LIP STICK, EYEBROW PENCILS, LIQUID FACE POWDER, MASCARA, SACHET, TALCUM POWDER, FACE LOTION, AND OTHER SUCH GOODS. Registered May 3, 1927. HOUSE OF TRE-JUR, INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 6.

227,300. **CELLITAZOL.** DYES AND DYESTUFFS. Registered May 3, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed May 3, 1947, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. Class 6.

227,306. **ALBALITH.** LITHOPONE, USED AS A FILLER IN THE COMPOUNDING OF RUBBER AND IN THE MANUFACTURE OF LINOLEUM, OILCLOTH, WINDOW SHADES, AND CELLULOID. Registered May 3, 1927. THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J. Renewed May 3, 1947, to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey. Class 6.

227,310. **"GIANT SODA CAUSTICA" ETC. AND REPRESENTATION OF A GIANT WITH BLUE AND RED DESIGN.** CAUSTIC SODA. Registered May 3, 1927. B. T. BABBITT, INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 6.

227,376. **"CHESEBROUGH VASELINE PETROLEUM JELLY" AND REPRESENTATION OF LIGHTHOUSE AND BEACON WITH BACKGROUND DESIGN.** PETROLEUM-JELLY PREPARATIONS. Registered May 3, 1927. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 6.

227,413. **CELLITON.** DYES AND DYESTUFFS. Registered May 3, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed May 3, 1947, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. Class 6.

227,479. **MARICOPA.** EVAPORATED MILK IN HERMETICALLY-SEALED CANS OR OTHER HERMETICALLY-SEALED CONTAINERS. Registered May 10, 1927. THE MARICOPA CREAMERY CO., Phoenix, Ariz. Renewed May 10, 1947, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

227,481. **LIDO.** HOUSE PAINTS—NAMELY, READY-MIXED PAINTS. Registered May 10, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed May 10, 1947. Class 16.

227,491. **MEXENE CHILE POWDER SEASONING.** PREPARATION IN POWDERED FORM AND COMPOSED OF CHILI PEPPER AND OTHER INGREDIENTS FOR USE IN MAKING MEXICAN DISHES, SUCH AS CHILI CON CARNE, AND FOR SEASONING MEATS, VEGETABLES, AND OTHER FOODS. Registered May 10, 1927. WALKER PROPERTIES ASSOCIATION. Renewed May 10, 1947, to Walker's Austex Chili Company, Austin, Tex., a corporation of Texas. Class 46.

227,515. **STEPPING-OUT.** WEARING APPAREL FOR WOMEN, MISSES, JUNIORS, AND CHILDREN—NAMELY, DRESSES, FROCKS, SUITS, AND COATS FOR STREET, SPORT, AND DRESS WEAR. Registered May 10, 1927. CARAFIOL-SILVERMAN GARMENT CO. Renewed May 10, 1947, to Carafiol-Silverman Co., St. Louis, Mo., a corporation of Missouri. Class 39.

227,517. **"SUNFOIL" AND REPRESENTATION OF UMBRELLA AND SUN BURST.** SUITS FOR MEN. Registered May 10, 1927. KELLER-HEUMANN-THOMPSON CO. INC. Renewed May 10, 1947, to Timely Clothes, Inc., Rochester, N. Y., a corporation of New York. Class 39.

227,525. **"JACOB'S BRAND" AND DESIGN.** CANNED MUSHROOMS. Registered May 10, 1927. EDWARD H. JACOB, doing business as E. H. Jacob, Green Hill Mushroom Farms and Oakbourne Mushroom Farms, West Chester, Pa. Renewed May 10, 1947, to Grocery Store Products Co., Union City, N. J., a corporation of Delaware. Class 46.

227,527. **FIESTA.** HOSIERY. Registered May 10, 1927. PECK & PECK, New York, N. Y., a corporation of New York. Renewed May 10, 1947. Class 39.

227,575. **ROSE.** MALT SIRUP FOR FOOD PURPOSES. Registered May 10, 1927. E. CLEMENS HORST COMPANY, San Francisco, Calif., a corporation of New Jersey. Renewed May 10, 1947. Class 46.

227,589. **"REVERE KNITTING MILLS" ETC. AND DESIGN.** KNITTED SWEATERS AND HOSIERY. Registered May 10, 1927. REVERE KNITTING MILLS, INC., Malden, Mass., a corporation of Massachusetts. Renewed May 10, 1947. Class 39.

227,633. **WINDPRUFS.** HOROLOGICAL INSTRUMENTS CONSISTING OF WATCHES. Registered May 10, 1927. FRANKLIN SIMON & CO. INC., New York, N. Y., a corporation of New York. Renewed May 10, 1947. Class 27.

227,653. **"HAPPINESS HOSE" AND FANCIFUL REPRESENTATION OF FACES OF TWO LADIES.** HOSIERY. Registered May 10, 1927. CHARLES F. BERG. Renewed May 10, 1947, to Charles F. Berg, Inc., Portland, Oreg., a corporation of Oregon. Class 39.

227,722. **"FORHAN'S" ETC. AND DESIGN.** ANTISEPTICS. Registered May 17, 1927. FORHAN COMPANY. Renewed May 17, 1947, to Zonite Products Corporation, New York, N. Y., a corporation of Delaware. Class 6.

227,750. **CRYSTALIA.** JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. Registered May 17, 1927. D. LISNER & CO. INC., New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 28.

227,803. **LIGHTHOUSE FISH MEAL.** FERTILIZER—NAMELY, FISH MEAL. Registered May 17, 1927. WILBUR ELLIS COMPANY, San Francisco, Calif., a corporation of California. Renewed May 17, 1947. Class 10.

227,824. **AMERICAN CONSERVATORY.** MUSICAL INSTRUMENTS—NAMELY, BANJOS, TENOR BANJOS, BANJO MANDOLINS, PLECTRUM BANJOS, AND OTHER NAMED SIMILAR MUSICAL INSTRUMENTS. Registered May 17, 1927. LYON & HEALY, INC., Chicago, Ill., a corporation of Illinois. Renewed May 17, 1947. Class 36.

227,865. **WRITE A LINE.** PORTFOLIOS. Registered May 17, 1927. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 17, 1947. Class 3.

227,879. **LA FLEUR BIEN AIMÉE.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, SACHET, COLD CREAMS, AND OTHER NAMED TOILET ARTICLES. Registered May 17, 1927. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 6.

227,904. **THE NEW YORK TIMES.** DAILY NEWSPAPERS. Registered May 17, 1927. THE NEW YORK TIMES COMPANY, New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 38.

227,922. **"COMMUNITY BRAND" AND DRAWING.** COFFEE. Registered May 17, 1927. HENRY NORMAN SAURAGE, doing business as Baton Rouge Coffee Mills. Renewed May 17, 1947, to Community Coffee Mills, Baton Rouge, La., a partnership. Class 46.

227,923. **"G Z CO PEERLESS" AND DESIGN.** CANDY. Registered May 17, 1927. GEORGE ZIEGLER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 17, 1947. Class 46.

227,927. **VITAL.** LUBRICATING OILS. Registered May 17, 1927. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 17, 1947. Class 15.

227,966. **"VOGUE V" AND REPRESENTATION OF A GIRL.** PAPER DRESS PATTERNS. Registered May 17, 1927. THE CONDÉ NAST PUBLICATIONS, INC., New York, N. Y., and Greenwich, Conn. Renewed May 17, 1947, to The Condé Nast Publications, Inc., New York, N. Y., a corporation of New York. Class 26.

227,973. **QUEEN COLOGNE.** COLOGNE. Registered May 17, 1927. A. P. BABCOCK COMPANY, New York, N. Y. Renewed May 17, 1947, to A. P. Babcock Company, Rutherford, N. J., a corporation of New York. Class 6.

227,980. **MAJOR.** THEATER LIGHTING EQUIPMENT AND APPARATUS INCLUDING BORDER LIGHTS, PROSCENIUM LIGHTS, FOOTLIGHTS, STAGE SOCKETS, STAGE-PLUGS, AND OTHER NAMED ITEMS OF THEATER EQUIPMENT AND APPARATUS; ALSO FLOOD LIGHTS FOR SHOW WINDOWS AND INDUSTRIAL PURPOSES AND PARTS OF ANY AND ALL OF THE FOREGOING. Registered May 17, 1927. MAJOR EQUIPMENT COMPANY, INC., Chicago, Ill., a corporation of Illinois. Renewed May 17, 1947. Class 21.

228,060. **"BLACK ROCK SHIRTING" ETC. AND DESIGN.** SHIRTING, COTTON PIECE GOODS. Registered May 24, 1927. SPARTAN MILLS, Spartanburg, S. C., a corporation of South Carolina. Renewed May 24, 1947. Class 42.

228,062. **"BEAU BRUMMELL" ETC. AND REPRESENTATION OF A MAN IN A CIRCULAR DESIGN.** NECKTIES. Registered May 24, 1927. THE WEISBAUM BROS.-BROWER CO. Renewed May 24, 1947, to Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio. Class 39.

228,067. **"ROYCROFT FABRICS" ETC. AND SHIELD DESIGN.** FABRICS OF WOOL, WORSTED, COTTON, SILK, OR RAYON FIBER OR COMBINATIONS THEREOF. Registered May 24, 1927. THE WOOLEN CORPORATION OF AMERICA, New York, N. Y., a corporation of New York. Renewed May 24, 1947. Class 42.

228,098. **"ARISTOKRAT".** CARDBOARD BOXES. Registered May 24, 1927. EDWIN J. SCHOETTLE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 24, 1947. Class 2.

228,112. **"ODELL'S" ETC. AND DESIGN.** HAIR-COLOR RESTORER. Registered May 24, 1927. THE ODELL COMPANY, INC., Newark, N. J., a corporation of New Jersey. Renewed May 24, 1947. Class 6.

228,190. **SAINT MARY.** PRIE DIEUS. Registered May 24, 1927. HOLLAND BRASS WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed May 24, 1947. Class 32.

228,201. **"TANNATE" AND REPRESENTATION OF HANDS ETC. IN A DIAMOND SHAPED DESIGN.** VALVE LEATHERS, LEATHER VALVE WASHERS, AND LEATHER VALVE DISKS OF THE WASHER TYPE FOR PACKING PURPOSES. Registered May 24, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed May 24, 1947. Class 35.

228,202. **QUEEN QUALITY 6 STYLE 6.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. Registered May 24, 1927. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed May 24, 1947, to International Shoe Company, St. Louis, Mo., a corporation of Delaware. Class 39.

228,223. **BUZ.** PREPARATION FOR REPELLING MOSQUITOES AND FOR RELIEVING IRRITATION FROM INSECT BITES. Registered May 24, 1927. GANE & INGRAM, INC., New York, N. Y., a corporation of New York. Renewed May 24, 1947. Class 6.

228,228. **K-R-O.** EXTERMINATOR FOR RATS. Registered May 24, 1927. THE RAT BISCUIT COMPANY, doing business as K-R-O Company, Springfield, Ohio, a corporation of Ohio. Renewed May 24, 1947. Class 6.

228,309. **"CHARMETTE" AND DESIGN.** ARTIFICIAL-SILK, SILK, AND COTTON PIECE GOODS AND COMBINATIONS THEREOF AND KNITTED ARTIFICIAL-SILK, SILK, COTTON, AND WOOLEN PIECE GOODS AND COMBINATIONS THEREOF, AND OTHER NAMED SIMILAR ITEMS. Registered May 31, 1927. CHOPAK TEXTILE CO., INC. Renewed May 31, 1947, to Charmette Fabrics Company, Inc., New York, N. Y., a corporation of New York. Class 42.

REISSUES

JULY 22, 1947

22,901

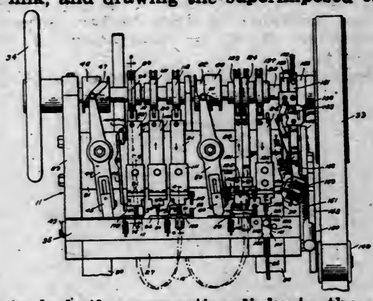
MANUFACTURE OF ORNAMENTAL CHAINS

August J. England, Providence, R. I., assignor to Clarence J. Schriever, Providence, R. I.

Original No. 2,366,960, dated January 9, 1945, Serial No. 412,448, September 26, 1941. Application for reissue December 31, 1945, Serial No. 638,531

15 Claims. (Cl. 59—14)

1. In the continuous manufacture of snake chains, the steps of blanking successive connecting links from a metallic strip, piercing a metallic strip, inserting each connecting link into a piercing, cutting the piercings and the connecting links from the strip containing the same, drawing the assemblies obtained from the last mentioned step into the form of chain links, superimposing each chain link on a previously formed chain link, and drawing the superimposed chain



links to lock the connecting links to the chain links.

PLANT PATENTS

GRANTED JULY 22, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

744

PENTSTEMON PLANT

Clark P. Malmo, Seattle, Wash.

Application April 8, 1946, Serial No. 660,339

1 Claim. (Cl. 47—60)

The new and distinct variety of pentstemon plant, substantially as shown and described, characterized particularly by its vigorous growth, its hardiness, its long blooming season, its shiny dark foliage, its large flowers, and the new color of its flowers of Spectrum Red with white throat.

745

ROSE PLANT

Gerrit de Ruiter, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application December 8, 1942, Serial No. 468,294

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the intense scarlet color in the fully double, polyantha-sized, flowers produced thereby, persistence of the color and uniformity in cluster groups until flowers drop off, the freedom of its blooming habit, and ease of handling in greenhouse forcing, substantially as shown and described.

746

ROSE PLANT

Gerrit de Ruiter, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application December 8, 1942, Serial No. 468,295

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha class characterized as to novelty by its excellent forcing qualities and the new and distinct pink coloring of the flower clusters for a rose of the polyantha class, substantially as shown and described.

747

DIANTHUS CARYOPHYLLUS PLANT

Phyllis René Hague, West Hill, East York Township, Ontario, Canada, assignor to Jackson and Perkins Co., Newark, N. Y.

Application March 18, 1946, Serial No. 655,033

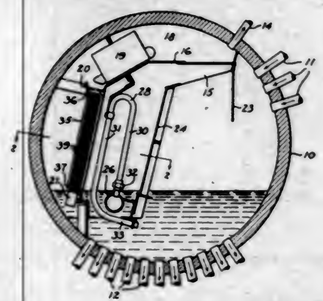
1 Claim. (Cl. 47—60)

The variety of *Dianthus caryophyllus* plant substantially as herein disclosed, having the general characteristics of the variety "Mrs. Sinkins," but distinguished by having a pink flower.

PATENTS

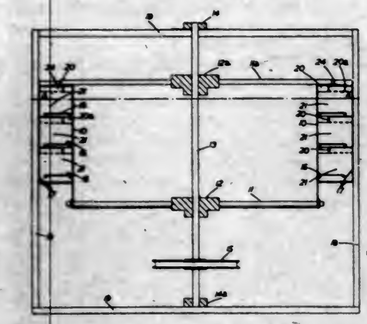
GRANTED JULY 22, 1947

2,424,212
STEAM PURIFYING APPARATUS
L. V. Andrews and Gustav A. Rehm, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 29, 1944, Serial No. 547,208
4 Claims. (Cl. 122—459)



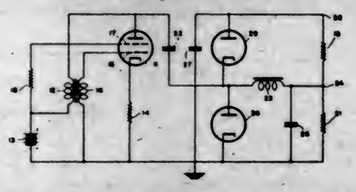
1. Steam purifying apparatus comprising a horizontal boiler steam-and-water drum having a steam outlet in its upper portion and a pool of boiler water in its lower portion, means to deliver a mixture of steam and water to the drum, downcomer tubes connected to the lower portion of the drum, a series of looped tubes arranged in a longitudinal row within the drum and extending across the path of the steam as it flows toward the outlet, each looped tube having an up-flow leg and a down-flow leg connected at their upper ends, the down-flow legs extending into the pool of boiler water, and means to supply boiler feed water to the lower ends of the up-flow legs.

2,424,213
DRYING STOVE COMPRISING RELATIVELY ROTATABLE ANNULAR WALLS
Robert Boulton Bloore, Newcastle-under-Lyme, England, assignor to Swinnerton's Limited Vulcan Pottery, Stoke-on-Trent, Stafford, England
Application December 13, 1943, Serial No. 514,168
In Great Britain February 12, 1943
10 Claims. (Cl. 34—187)



1. In a pottery drying stove the combination comprising a pair of annular and concentrically arranged walls, means for rotating one of the walls relatively to the other, at least one annular shelf on the rotatable wall, said shelf projecting into the space between the two walls, said shelf being adapted to support the articles to be dried, at least one hot air duct secured to the stationary wall above said shelf, said duct having perforations in the bottom thereof forming jets, said jets being directed towards the articles to be dried, and means for supplying hot air to said duct.

2,424,214
UNIDIRECTIONAL VOLTAGE GENERATOR
John A. Buckbee, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application June 16, 1944, Serial No. 540,567
9 Claims. (Cl. 171—97)

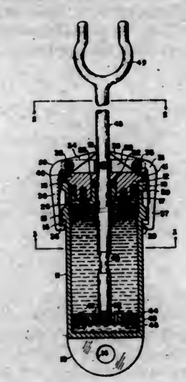


9. A unidirectional power supply comprising, a relaxation oscillator having an output circuit for the development of a series of voltage impulses, a load circuit including the series connection of a relatively high impedance element and a relatively low impedance element, a first condenser connected between one terminal of said relatively low impedance element and a relatively high voltage point of said output circuit, a second condenser connected to one terminal of said relatively high impedance element, a filter network connected between said first condenser and said relatively low impedance element, a first rectifier tube connected in substantial shunting relation to said relatively low impedance element between said first condenser and said filter network, and a second rectifier tube connected in parallel with said relatively high impedance element.

2,424,215
PARACHUTE RELEASE
Frank C. Anderson, United States Coast Guard
Application October 16, 1945, Serial No. 622,671
3 Claims. (Cl. 294—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

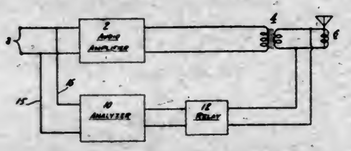
1. A parachute pack release comprising a cylinder having a closed end and an open end, an undercut flange around said cylinder, a plug adapted to fit in the open end of said cylinder, a bell crank pivoted to said plug, said crank having a hook at one extremity adapted to engage said flange and prevent disengagement of said hook from said cylinder, a spring urging said crank to move said hook away from said flange, an aperture in said plug, a rod extending through said aperture, said rod engaging the other extremity of said crank to hold said hook adjacent said flange, said rod having a reduced section thereon to free said other extremity of said crank to

permit movement of said hook away from said flange, a piston in said cylinder affixed to said rod, a bleed in said piston, said cylinder having a fluid therein to regulate the movement of said pis-



ton, whereby the weight of the pack will move the rod to position the reduced section thereof to free the said crank for rotation upon relative movement of said cylinder and plug.

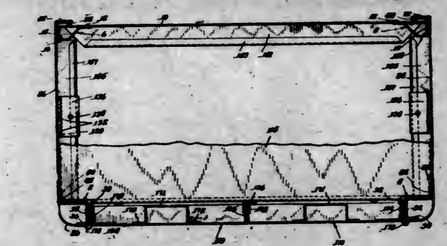
2,424,216
CONTROL SYSTEM FOR RADIO RECEIVERS
Carl Edward Atkins, Elgin, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application January 24, 1945, Serial No. 574,233
13 Claims. (Cl. 179—1)



1. The combination with a radio receiver having an audio amplifier and a reproducing device, of a system for controlling the output of said reproducing device in accordance with the audio frequency signal energy fed to said amplifier, said system including a sustaining network for converting audio frequency signal energy into a direct current control voltage the stability of which is a function of the continuation of the signal energy, a relay responsive to said direct current control voltage and operative to control said reproducing device, said relay operating upon a reduction of said direct current control voltage to suppress the operation of said reproducing device and a mechanism associated with said relay and with said sustaining device for delaying the suppression of said reproducing device upon operation of said relay.

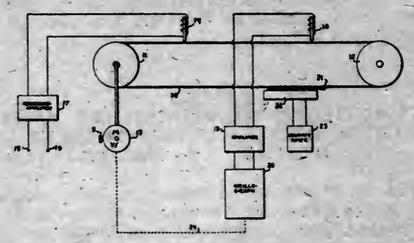
2,424,217
SHEET METAL STORAGE CABINET
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application March 12, 1941, Serial No. 382,922
16 Claims. (Cl. 312—141)

10. In a cabinet construction, in combination with a front vertical corner strip and a rear vertical corner strip, a rear panel and a side panel, said rear vertical corner strip and said rear panel having flanged portions bent and interconnected to provide a vertical hollow post with one of the flanges of said strip extending inwardly and to the rear of said rear panel in spaced relation therefrom, said side panel being connected to the



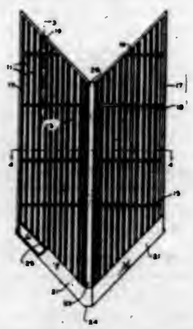
front corner post and extending rearwardly with its rear end contactingly overlying the hollow post and bent around the inwardly extending flange of said strip, the free end of said rear panel having a hook shape hooking over said free edge of said flange of said corner strip whereby to hold said side panel in a central relation to said rear vertical corner post and said strip.

2,424,218
MAGNETIC RECORDING-REPRODUCING MEANS AND SYSTEM
Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1943, Serial No. 474,186
8 Claims. (Cl. 171—95)



1. In a magnetic recording and reproducing system, endless magnetizable means, means for driving said magnetizable means at a certain rate of speed, recording means for magnetically recording a signal on said endless magnetizable means while said magnetizable means is driven at said certain rate of speed, means for increasing the speed at which said endless magnetizable means is driven, reproducing means for repeatedly establishing a signal corresponding to the recorded signal while said endless magnetizable means is cyclically driven past said reproducing means at said increased rate of speed, oscilloscope means connected to the output from said reproducing means and having a sweep circuit controlled by said output signal, and control means connected to said oscilloscope means and to the means for driving the said magnetizable means for synchronizing the rate of signal repetition required by the oscilloscope with the rate of rotation of the magnetizable means.

2,424,219
SCREEN
Eric A. Black, Red Bank, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War
Application March 25, 1944, Serial No. 528,057
6 Claims. (Cl. 183—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



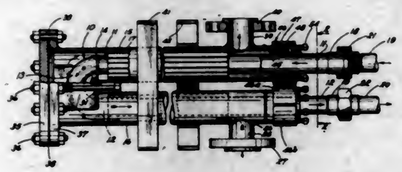
1. A filter screen to remove sand or dust from air passing through it comprising a top member and a trough which are obliquely disposed and are parallel to each other, air filtering means disposed between the top member and the trough, the trough being receivable to sand or dust collected by the filtering means aforesaid, said trough having a discharge means at its lower end, a vertically disposed conduit for sand or dust open at both ends extending from the lower end of the top member aforesaid to the lower end of the trough aforesaid, whereby two or more of said filter screens may be disposed in abutting relationship one above the other and sand or dust collected in each screen above the lowermost screen may discharge through the conduit of each screen below it.

2,424,220
INSECTICIDE CONTAINING AN AMYL IMIDE OF 3,6-ENDOMETHYLENE-4-CYCLOHEXENE - 1, 4 - DICARBOXYLIC ACID
Euclid W. Bousquet, Wilmington, Del., assignor to E. I. du Pont De Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1943, Serial No. 501,136
18 Claims. (Cl. 167—24)

10. A fly spray composition containing pyrethrum and an amyl imide of 3,6-endomethylene - 4 - cyclohexene-1,2-dicarboxylic acid dissolved in a fly spray base hydrocarbon solvent, the amount of said imide being at least equal to 10(100X-P) mgs. per 100 cc. where P=mgs. pyrethrum per 100 cc., and is at least 5, and X=the volume ratio of fly spray to concentrate=at least 1/1.

2,424,221
HEAT EXCHANGER
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application September 4, 1944, Serial No. 552,633
10 Claims. (Cl. 285—20)

1. In a heat exchanger embodying an outer tube and an inner tube concentric therewith, means for connecting the inner tube to the outer tube comprising means providing a sealing surface adjacent one end of the outer tube, a fitting on said inner tube, said fitting having a sealing surface facing in the same direction as the sealing surface adjacent the end of the outer tube, said fitting also providing a shoulder opposed to the sealing surface thereon, a locking ring engaging



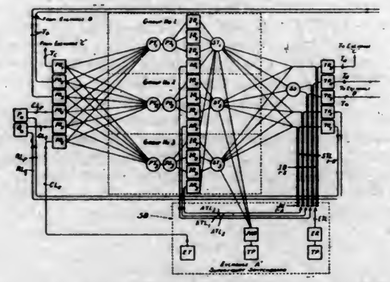
said outer tube and having an inwardly extending flange engaging said shoulder of said fitting, a sealing ring disposed within said locking ring and adapted to seal against said sealing surfaces of said outer tube and said fitting, and means carried by said locking ring for urging said sealing ring into sealing engagement with said sealing surfaces.

2,424,222
REAR-VISION MIRROR MOUNTING
Thomas Joseph Brown and Elijah Bryant Bush, Oklahoma City, Okla.
Application March 28, 1945, Serial No. 585,248
9 Claims. (Cl. 248—278)



1. A mounting device for a rear vision mirror including an attaching bracket, a block pivoted to said bracket to oscillate on a horizontal axis, resilient means between said bracket and said block to substantially prevent transmission of vehicle vibrations to said block, an arm carried by said block and supporting a mirror on its outer end, said arm having one portion pivoted to swing on a horizontal axis and having another portion pivoted to swing on a vertical axis, resilient means connected to said block and normally effective at said pivots to hold the mirror and said arm in predetermined adjusted vertical and horizontal positions, said resilient means being yieldable to permit the swinging of the mirror vertically and horizontally away from adjusted position should it encounter an obstacle, thereby preventing damage.

2,424,223
MESSAGE INTERCEPTING AND RELAYING CIRCUITS IN AN AUTOMATICALLY DIRECTED MESSAGE TELEGRAPH SYSTEM
Howard D. Colman, deceased, late of Rockford, Ill., by Harry A. Severson, executor, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Original application July 19, 1940, Serial No. 346,285. Divided and this application January 11, 1944, Serial No. 517,848
20 Claims. (Cl. 178—4)



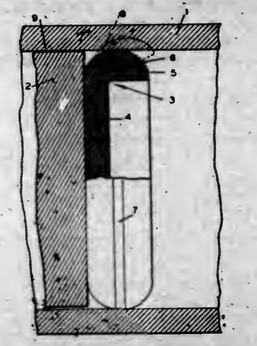
1. In a telegraph system, in combination, a group of message receiving and storing relay units each adapted to store in mechanical form a plurality of telegraph messages in which are incorporated directing signals indicating the destinations of the messages, means in each unit controlled by a directing signal for automatically selecting an available transmission path leading toward the indicated destination, an auxiliary relay unit associated with said group of units, and means for automatically establishing a transmission path from any storage unit to the auxiliary unit for the transfer thereto of messages for which no transmission paths leading toward the indicated destinations are available.

2,424,224
ANTISEIZE COMPOSITION
Bernard Costello, Riverside, N. J.
No Drawing. Application August 3, 1945, Serial No. 608,825
1 Claim. (Cl. 252—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An anti-seize composition for spark plug threads subject to extreme temperature variation in use, said composition consisting of a uniformly dispersed mixture of 5 to 9 parts by volume powdered graphite, 3 to 7 parts by volume sperm oil and a binding agent consisting of 1 to 3 parts by volume of petrolatum.

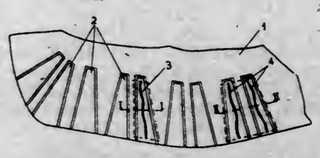
2,424,225
SEAL CONSTRUCTION
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 7, 1944, Serial No. 517,357
8 Claims. (Cl. 309—33)

1. In apparatus of the class described, a cylinder, a piston reciprocable therein, a dished packing member of yieldable material associated with the piston and cylinder for sealing purposes, said packing member having a portion seated in a cavity in said piston, said packing member comprising an annular lip portion for engaging the cylinder wall, said lip portion containing a substantial body of the yieldable material and having a narrow peripheral surface intermediate its ends for engaging the cylinder wall and other outer surfaces on both sides of said narrow surface receding away from the cylinder wall toward the ends of the lip portion, the inner surface of said lip portion opposite the narrow sur-



face being freely exposed to fluid under pressure in the cylinder, a dished retainer in said packing member cooperating with the end surface of the lip, the inner cylindrical surface and the end surface with the cavity in said dished packing cup, and spring means applying an axial pressure to the retainer in a direction toward the piston.

2,424,226
NONSLIPPING RUBBER SOLE
Eric Dufour, Aubonne, Switzerland
Application July 3, 1941, Serial No. 401,017
In Switzerland November 1, 1940
Section 3, Public Law 690, August 8, 1946.
Patent Expires November 1, 1960
3 Claims. (Cl. 36—59)

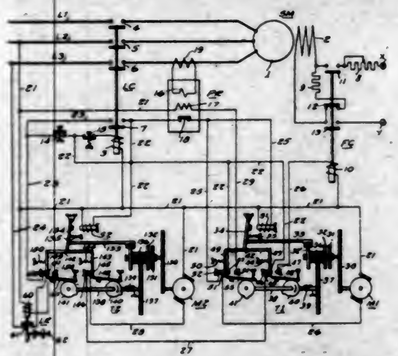


1. An anti-skid arrangement for shoes including a rubber sole, a plurality of rubber cleats integral therewith, and a metallic framework for the cleats comprising a base member imbedded in the sole and a vertical corrugated member imbedded in and extending throughout the length of the cleats and having its outer end flush with the outer surface of the cleat.

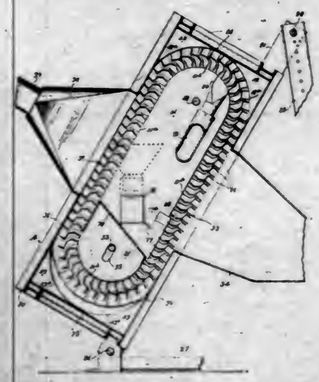
2,424,227
SYNCHRONOUS MOTOR CONTROL SYSTEM
Elroy I. Eigenberger, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1945, Serial No. 588,468
6 Claims. (Cl. 172—289)

1. A control system for a synchronous motor, comprising primary connections disposed for supplying alternating current to the motor and being provided with primary control means for controlling the flow of the alternating current, direct current circuit means for supplying field excitation to the motor, timing means connected be-

tween said control means and said circuit means for controlling said circuit means so as to apply the field excitation a timing interval after the beginning of the alternating current application, a power-factor relay associated with said primary connections for controlling said circuit means so as to terminate the field excitation in response to the occurrence of an excessive decrease in power factor of the alternating current, and a control device disposed for causing an interruption of said primary connections when the number of successive operations of said timing means reaches a predetermined maximum, said control device having an intermittently operating timing mechanism associated with said timing means so as to progressively advance one step for each of said timing operations and being provided with contact means for controlling said primary control means, said contact means being controlled by said mechanism to perform a switching operation for causing said primary control means to interrupt said current flow at the end of a predetermined total amount of progression.

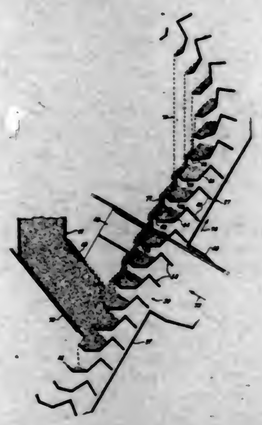


2,424,228
APPARATUS FOR DRYING, HEATING, AND/OR COOLING FLOWABLE SOLIDS
John L. Erisman, Oak Park, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application January 14, 1944, Serial No. 518,303
25 Claims. (Cl. 34—102)



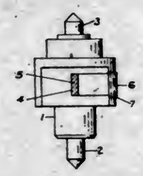
1. Apparatus of the type described, comprising a housing, a material treatment chamber formed within the housing and including secondary side walls spaced from the side walls of the housing to provide transmission compartments, a head shaft extending through the housing and its treatment chamber, bearings for said shaft mounted outboard of the housing, sprocket wheels mounted on the shaft within said transmission compartments, conveyor chains trained over the sprocket wheels, means in the lower portion of the housing for guiding the conveyor chains, a series of flights arranged to travel a closed path within the treatment chamber, said secondary side walls having slots in alignment with the path of the flights and through which the ends of the flights extend for connection with the links of the conveyor chains, means operatively associated with the flights and the secondary side walls for sealing said slots against the leakage of treatment fluid from said chamber, inlet and outlet openings formed in the opposite housing walls that extend between and are arranged substantially at right angles to said secondary side walls between which a gaseous treatment fluid will flow in passing through the said chamber, means for feeding untreated material to the flights in the chamber, and means for receiving treated material from the flights and discharging it from the housing.

2,424,229
METHOD OF DRYING, HEATING, AND/OR COOLING FLOWABLE SOLIDS
John L. Erisman, Oak Park, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application May 6, 1944, Serial No. 534,444
10 Claims. (Cl. 34—11)



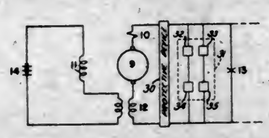
1. A method of treating flowable solids, comprising feeding the solids to be treated to a treatment zone, repeatedly lifting all of the solids in spaced batches through a straight inclined path in the treatment zone, repeatedly spilling solids that have been moved as batches as a relatively shallow stream through the treatment zone in the opposite direction to and in cascading contact with substantially all of the spaced batches of solids, transferring solids from the batches to the stream and from the stream to the batches at spaced points in the treatment zone, flowing gaseous fluid through the treatment zone substantially at right angles to the directions of movement of the batches and the stream of solids to cause the fluid to pass between the moving batches of solids and to permeate through the stream of solids, and discharging the treated solids from the treatment zone.

2,424,230
MEANS FOR SECURING A HAIRSPRING TO AN ARBOR
Cecil C. Fawcett, Philadelphia, Pa.
Application January 4, 1939, Serial No. 249,263
5 Claims. (Cl. 58—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



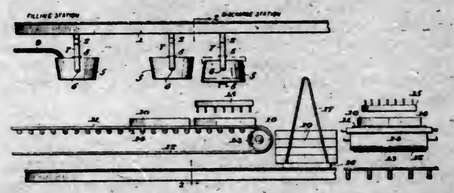
1. In an escapement arbor assembly in combination, an arbor, said arbor being formed intermediate its ends to provide an inwardly extending opening which terminates adjacent the axis of the arbor, said opening having a bottom coextending with the arbor along a substantially diametral line, a hair spring medially seated in said opening and means inserted in said opening in engaging relation with the hair spring for securing the hair spring to the arbor.

2,424,231
SYSTEM FOR REDUCING DIRECT-CURRENT FAULT CURRENTS
George E. Frost, Arlington, Va.
Application June 23, 1945, Serial No. 601,277
2 Claims. (Cl. 172—239)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



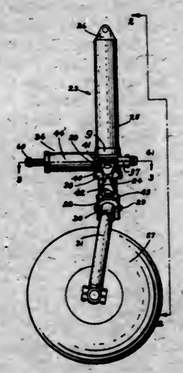
2. An electrical system comprising in combination, a generator of unidirectional electromotive force having a field winding, a circuit protective device, and a utilization network in series connection, said utilization network including circuit protective devices, said first protective device being of the type wherein circuit disconnection operation takes place when the current flow exceeds a predetermined value for a predetermined time, said time decreasing as the current value increases, means to supply energizing current to said field winding, and a transformer having a plurality of windings, one of said windings connected in the circuit of said generator, said first protective device, and said utilization device and another of said windings connected in the circuit of said means, the windings of said transformer being so proportioned and poled that said first circuit protective device operates upon sudden short circuit of said generator but only after a predetermined time, whereby the circuit protective devices in said utilization network are enabled to operate before said first circuit protective device and disconnect the short circuit if it occurs beyond one of said last circuit protective devices, said transformer being further proportioned so that the product of flux linkages times rated current in one winding equals the product of flux linkages times rated current in the other winding.

2,424,232
GEL MANUFACTURING APPARATUS
William H. Gabeler, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application January 22, 1943, Serial No. 473,244
2 Claims. (Cl. 23—260)



1. Apparatus for the setting in course of travel of inorganic oxide hydrosol into a hydrogel, sizing the hydrogel, and distributing the same into washing trays, comprising an endless conveyor, a plurality of invertible receptacles advanced by said conveyor, a delivery station and discharge station in the path of said conveyor, means on said receptacles operable at said discharge station to invert said receptacles, a cutting screen located immediately below the discharge point on said conveyor at the discharge station, and a support arranged to carry a plurality of stackable receiving trays and to locate a tray immediately below said cutting screen.

2,424,233
LANDING GEAR
Raymond E. Greenough, Maple Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 28, 1942, Serial No. 456,475
8 Claims. (Cl. 244—50)



2. In apparatus of the character described, a cylinder member and a piston member movable relatively, said piston having a passage therethrough for interconnecting the chambers in the cylinder on opposite sides of the piston, removable and replaceable means for restricting said passage, means for introducing liquid under pressure into one of said chambers, means responsive to the pressure of the liquid being introduced for blocking said passage, an anchor element connected with one of said members and a relatively movable steering element connected with the other of said members.

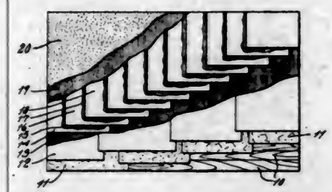
8. In apparatus of the character described, first and second relatively rotatable concentric tubular members, a cylinder disposed with its axis perpendicular to the axis of said members mounted on said first member to swing about a pivot parallel to the members, a collar rotatable upon said first member, a piston in said cylinder, a connecting rod for the piston, said rod and said collar being connected by a pivot parallel to said first pivot, and a pair of torque arms hinged together and to said collar and second member respectively for communicating turning movement from said collar to said second member.

2,424,234

COMPOSITIONS FOR BUILT-UP ROOFING

Harold W. Greider, Wyoming, and George Arthur Fasold, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio

Application August 7, 1943, Serial No. 497,805
5 Claims. (Cl. 106—282)



3. A thermoplastic bituminous waterproofing composition suitable for mopping in a heat-plasticized condition in the construction of built-up roofing, said composition comprising bitumen having a softening point between about 80° F. and about 200° F. and of the range 35% to 60% by weight of said composition, and said composition comprising intimately commingled and distributed uniformly throughout finely-divided solid water-insoluble heat-resistant mineral filler of the range 40% to 65% by weight of said composition, said composition having a Wagner-Bowen plasticity value at 400° F. not substantially greater than 250 grams, said filler consisting at least to the extent of about ⅔ of the total weight thereof of particles passing a 100 mesh testing sieve, said filler containing fibrous mineral passing a 6 mesh testing sieve the minimum grading index of which varies proportionally from about 11 to about 7 for total filler content varying respectively from 40% to 65% by weight of the composition and the maximum grading index of which varies proportionally from about 25 to about 20 for total filler content varying respectively from about 40% to about 65% by weight of the composition, and said filler in said composition having a flow resistance coefficient of at least 75 when said composition is exposed to flame temperature under the flow resistance test as defined herein.

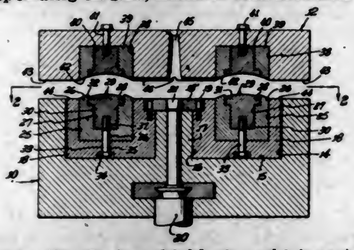
2,424,235

INJECTION MOLD

Howard G. Heffer, Santa Monica, Calif., assignor to Teksun Inc., West Los Angeles, Calif., a corporation of California

Application November 28, 1944, Serial No. 565,482
12 Claims. (Cl. 18—42)

5. An interchangeable split mold device for the injection molding of ophthalmic lenses from thermoplastic materials comprising: an axially movable, rotatably stationary mold block having a plurality of pockets therein, inserts in the respective pockets having each a central aperture and a removable die pad in each aperture of respectively different curvatures; an opposing stationary mold block having an annular depression and an annular die block rotatably secured in the depression, said die block having inserts corresponding in size, number and location to the



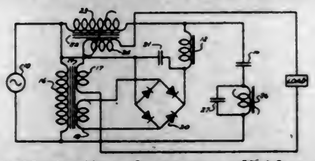
inserts in the first mold block, said inserts having each a central aperture and die pads of respectively different curvatures contained one in each said central apertures, said die block having a plurality of positions wherein each die cavity in the die block is matched successively with each die cavity in the first mold block, and a locking means operable in each position of the die block.

2,424,236

FREQUENCY CHANGER

Henry M. Huge, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio

Application May 6, 1943, Serial No. 485,831
18 Claims. (Cl. 172—281)



15. A self-starting frequency divider adapted to be energized by a source of alternating current, comprising in combination, a first non-linear inductance, a substantially linear inductance, a first capacitor, a full-wave rectifier, first circuit means connecting said non-linear inductance in series with said capacitor and the source of alternating current, second circuit means connecting said rectifier in series with the substantially linear inductance and the first non-linear inductance, third circuit means adapted to supply voltage from said source to said full-wave rectifier, fourth circuit means adapted to supply a load with a voltage which is the sum of voltage from said first non-linear inductance and voltage from said source of alternating current and means for introducing harmonics into said load voltage, comprising a second non-linear inductance in series with said first capacitor and a second capacitor in parallel with said second non-linear inductance.

2,424,237

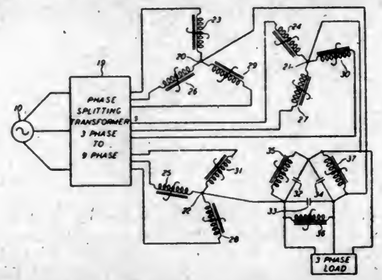
FREQUENCY MULTIPLIER

Henry M. Huge, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio

Application July 3, 1944, Serial No. 543,399
11 Claims. (Cl. 172—281)

9. A frequency multiplier comprising phase-splitting means adapted to be energized by a poly-

phase alternating current source and to provide polyphase output voltages comprising three substantially symmetrical three-phase systems having substantially 40 degrees phase displacement between them, three groups of saturable inductances with three star-connected inductances in



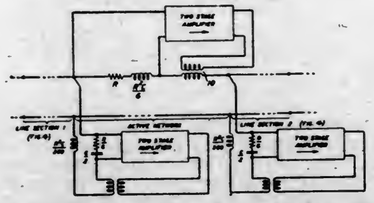
each group, each group being connected to one of the substantially symmetrical three-phase systems, and a three-phase output circuit connected to the star mid-points of the groups of saturable inductances, said output circuit including three delta-connected capacitors in parallel with three saturable stabilizing inductances.

2,424,238

TRANSMISSION LINE WITH ACTIVE NETWORKS

Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 20, 1943, Serial No. 483,753
8 Claims. (Cl. 178—44)



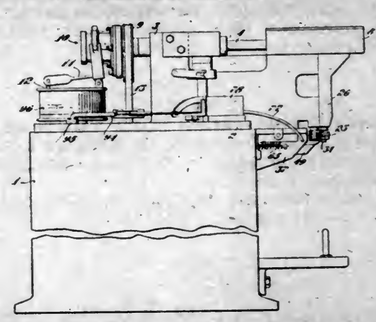
1. A transmission line of smoothly distributed constants having inserted therein at regular intervals a succession of active networks dividing the line into equal sections, each network including at least one branch shunted across the line and introducing across the line a negative impedance having as series components a negative resistance component and a negative capacitance component, said negative resistance component being numerically equal to a fraction of the series resistance of each section of said line between adjacent active networks, each line section being closely equivalent in transmission characteristics to a given symmetrical pi-network having its series arm substantially a lumped resistance and having in each of its two shunt arms a lumped resistance and a lumped capacitance in series, the product of said resistance and said capacitance in each of said shunt arms being numerically substantially equal to the product of said negative resistance component and said negative capacitance component, and the numerical ratio of said capacitance in each of said shunt arms to said capacitance in each of said branches being half the number of said branches per active network, said shunted networks rendering the line impedance substantially a resistance.

2,424,239

MACHINE FOR LASTING WELT-TYPE SHOES

Jacob S. Kamborian, West Newton, Mass.

Application January 15, 1944, Serial No. 518,321
34 Claims. (Cl. 12—2)



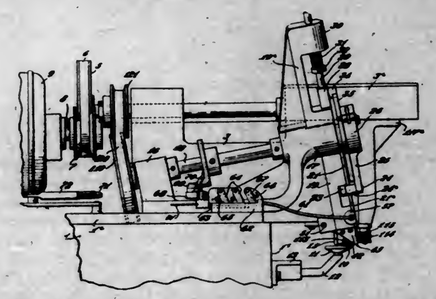
1. A lasting machine comprising means for use in applying lasting tension to a shoe upper, said means including opposed elements operative to grip the lasting margin of the upper between them, at least one of said gripping elements being a power-driven rotatable roll, a wiper for in-wiping the tensioned upper, the wiper having therein a chamber for housing a fastener in readiness to be driven, means for reciprocating said wiper into and out of operative engagement with the upper, means for so positioning a length of material that the wiper, as it advances into such operative engagement, forms a fastener from the material in the chamber, and means for ejecting the fastener so-formed from the chamber and driving it into the upper material while the wiper is in such operative engagement.

2,424,240

APPARATUS FOR LASTING SHOES

Jacob S. Kamborian, West Newton, Mass.

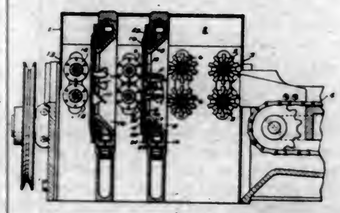
Application March 21, 1944, Serial No. 527,387
11 Claims. (Cl. 12—2)



3. In a lasting machine of the class described having means for imparting an updraw to a shoe upper assembled with a sole member on a last, a stationary rigid guide having an elongate slot which makes an angle of approximately 10° with the vertical, a slide movable in said slot toward and from the sole member, an anvil normally projecting into said slot in the path of the slide, means for delivering a length of wire so as to lay it transversely across the anvil, a cutter element carried by the slide, means for actuating the slide to cause the cutter element to sever the wire, means carried by the slide for forming the severed length of wire into a staple about the anvil, means carried by the slide for withdraw-

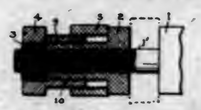
ing the anvil from the formed staple, stationary guide members fixed to said rigid guide and acting to direct the formed staple into contact with the bottom of the shoe and a driver movable relatively to the slide within said rigid guide and stationary guide members for advancing the formed staple from said rigid guide through said stationary means and into the shoe.

2,424,241
GAUGE FOR GREEN CORN CUTTERS
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 28, 1944, Serial No. 524,233
10 Claims. (Cl. 130—9)



1. A green corn cutting knife comprising a blade having a cutting edge, and a gauge runner disposed beneath said blade and extending rearwardly of said cutting edge for engagement with the cob to gauge the depth of cut of the knife as the latter severs the kernels from the cob, the forward end of said runner being pivotally secured to the blade whereby the runner is free to swing angularly relative to said cutting edge.

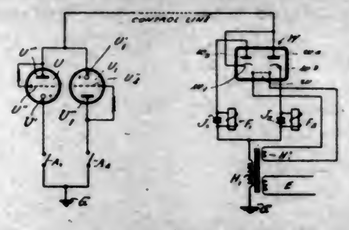
2,424,242
THREAD LOCK NUT
Albert J. Krause, Seattle, Wash.
Application May 11, 1942, Serial No. 442,449
2 Claims. (Cl. 151—14)



1. In a bolt and lock nut assembly, the combination of a bolt, a base nut on the threaded stem thereof to engage the work to be clamped, said nut having an exteriorly threaded extension thereon surrounding said bolt stem, said exteriorly threaded extension being transversely slotted at its outer end to provide recesses therein, toothed locking inlays in said recesses, a second nut screwed on said extension of the first nut overlying said inlays and forcing the teeth of said inlays to bite into the threads of said bolt stem.

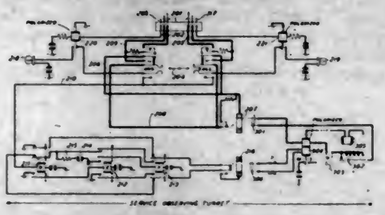
2,424,243
REMOTE CONTROL SYSTEM
Percival D. Lowell, Chevy Chase, Md.
Application January 19, 1944, Serial No. 518,896
3 Claims. (Cl. 177—353)

1. A remote control system comprising a controlling and controlled station interconnected by a line circuit, separate electron discharge paths differentially connected with said line circuit at the controlling station, separate electron discharge paths interconnected with said line circuit at the controlled station, relays disposed in the said electron discharge circuits at the controlled station and control switches arranged in the electron discharge circuits at the controlling station, the electron discharge paths at the



controlling and controlled stations being arranged to provide a series aiding and opposing condition and a source of alternating current connected with all of the electron discharge paths at the controlled station.

2,424,244
CIRCUIT FOR LOCKING SERVICE OBSERVING TELETYPEWRITER DURING SUPERVISORY SIGNAL RECEPTION
Tola A. Marshall, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1945, Serial No. 620,607
6 Claims. (Cl. 178—74)

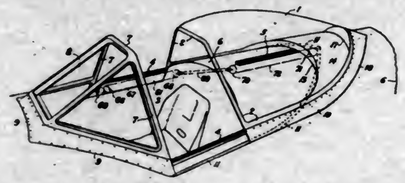


1. A printing telegraph system comprising a signal transmitting and receiving means at the termini thereof, a plurality of channels, a cord circuit including a typing key for interconnecting said channels, a transmitting and receiving means connected to said cord circuit by means of said typing key for communication with one or more of said means at the termini, a second cord circuit arranged for connection with the first-mentioned cord circuit at a point independent of the control effected by said typing key and including a transmitting and receiving device, and current reversing means responsive to a prolonged signal received from any one of said channels for electrically locking said device in a non-operative condition during the time that said signal is being received from said one interconnected channel.

2,424,245
HOOD FOR THE COCKPITS OF AEROPLANES
James Martin, Higher Denham, near Uxbridge, England
Application July 8, 1944, Serial No. 544,075
In Great Britain August 1, 1943
4 Claims. (Cl. 244—121)

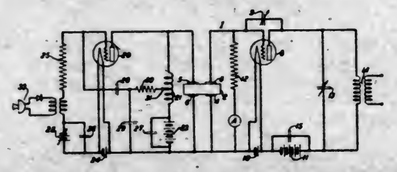
1. In a hood for the cockpit of an aeroplane, the combination of a streamlined transparent cover having a tapered rear section, a concave cover fixed to the bottom of said rear section, a slidable carriage supporting said first-mentioned

cover at each side edge, another carriage centrally disposed under the concave cover of said rear section, all of said carriages being adapted to be mounted on guides fixed to the aeroplane,



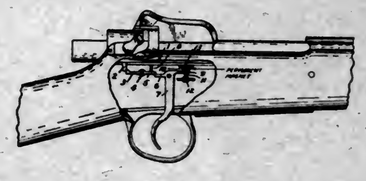
releasable coupling means for connecting said hood to said carriages and means connecting all of said coupling means for releasing them simultaneously.

2,424,246
FREQUENCY-MODULATED CRYSTAL OSCILLATOR
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,560
4 Claims. (Cl. 179—171.5)



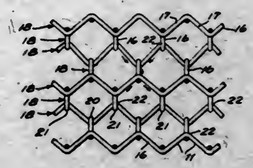
1. Apparatus for varying and controlling the frequency of oscillation of an oscillation generator comprising a piezoelectric crystal body having not more than two effective sets of electrodes, said electrodes comprising the sole effective capacitance producing means directly shunted across said crystal body, and means including said crystal body controlled by positive reactance means having a definite predetermined control value responsive to the amplitude of variable bias potential applied thereto for correspondingly varying the operating frequency of said crystal body and said oscillation generator, said positive reactance means comprising a variable reactance tube having anode, cathode and control grid electrodes, and an inductance coil disposed in circuit relation across said anode and cathode electrodes of said reactance tube and connected in operative circuit relation with said electrodes of said crystal body, said inductance coil having a tap connection thereon, a resistor connected at one of its ends to said tap connection on said inductance coil, and a condenser connected between the other end of said resistor and said cathode electrode of said reactance tube, and another condenser connected between said other end of said resistor and said control grid electrode of said reactance tube, said inductance coil having an inductive reactance substantially greater than the anode circuit impedance of said reactance tube and substantially equal to the static capacitive reactance of said crystal body at said operating frequency of said crystal body, and means including a stable source of constant bias potential disposed in circuit with said control grid and cathode electrodes of said reactance tube for providing a constant mean value for said non-modulated frequency of said crystal body.

2,424,247
TRIGGER PULL FOR SMALL ARMS
James F. McCaslin, Cleveland, Ohio
Application February 1, 1945, Serial No. 575,724
5 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device having a permanent magnet mounted in the body thereof and a paramagnetic element, adjustable means for maintaining the said paramagnetic element normally within the effective flux of said permanent magnet and trigger means for manually activating the said paramagnetic element and moving it to a weaker outer zone of the said flux.

2,424,248
CONTACTING APPARATUS
Francis L. Melvill, New York, N. Y.
Application March 29, 1944, Serial No. 528,541
8 Claims. (Cl. 261—95)

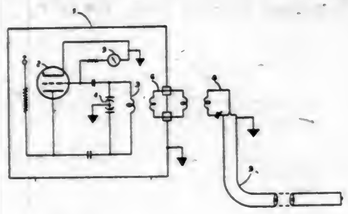


1. Vapor and liquid contacting apparatus packing comprising a network of slender, generally horizontally extending elements arranged in two sets in accordance with a predetermined pattern, the elements of each set being of zig-zag shape and having alternately arranged apices interconnected by oblique sections, the elements of one set extending in generally vertically extending planes, the elements of the other set extending in other generally vertical planes transversely of the first-mentioned vertical planes, the two sets of elements being reversely interlinked at their apices to form liquid mixing zones at said apices, the elements in each vertical plane being disposed in spaced generally horizontally extending planes.

2,424,249
METHOD OF DETERMINING THE RESONANT FREQUENCY OF SERIES RESONANT ELECTRICAL NETWORKS
John M. Miller, Washington, D. C.
Application June 23, 1944, Serial No. 541,802
2 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

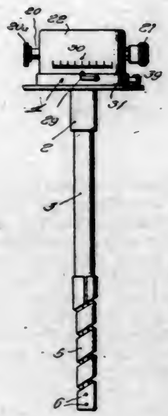
1. The method of ascertaining the resonant frequency of a series resonant electrical network comprising energizing a resonant coupling circuit at its resonant frequency, connecting the electrical network in series in the resonant coupling

circuit to form a combined network, adjusting the energizing frequency to the resonant frequency of the combined network, adjusting the resonant frequency of the coupling circuit to the



adjusted energizing frequency, and repeating the procedure until the resonant frequency of the coupling circuit accords with that of the electrical network, at which frequency the latter does not detune the former.

2,424,250
THERMOSTATIC REGULATOR
Nathan Morris, Silver Spring, Md., assignor to American Instrument Company, Silver Spring, Md., a partnership composed of William H. Reynolds and Leopold Freeman
Application May 5, 1944, Serial No. 534,315
7 Claims. (Cl. 200—138)



1. A thermoregulator comprising in combination a supporting frame, a thermosensitive element supported by said frame, an angularly adjustable casing supported in said frame, contact members supported by said adjustable casing, a contact device disposed within said adjustable casing and controlled by said thermosensitive element for operation with respect to the aforesaid contact members, said casing having an annular groove adjacent the base thereof, a flat spring member carried by said frame and extending into said groove and an adjusting screw extending through said frame and engaging said flat spring for forcing said flat spring member into frictional locking engagement with the groove in said adjustable casing for maintaining said casing in a predetermined position in said frame.

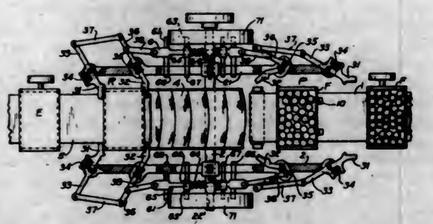
2,424,251
SELF-ADJUSTING GARTER
Naomi Merton, New York, N. Y.
Application June 14, 1944, Serial No. 540,207
6 Claims. (Cl. 2—315)

6. In combination with an undergarment having a bottom edge portion including a pocket reinforcement slightly above the top of one's stocking, a cloth strip bent upon itself to form a loop for having its ends attached to said bottom edge to depend therefrom, a rigid link engaging through the bottom of said loop, a strap engaging through said link, stocking gripping members on the ends of said strap, and means for adjustably



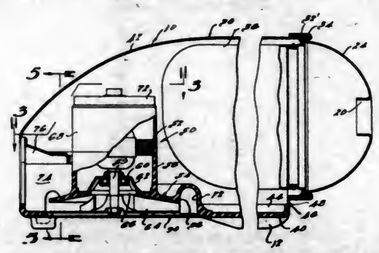
attaching the ends of said strip to said bottom edge portions at the side of said pocket reinforcement, said ends being formed with spaced openings selectively alignable with a series of similarly spaced openings formed in said bottom edge portion, said means, comprising a lace engageable through the aligned openings of said strip and bottom edge portion.

2,424,252
BOX DUMPING MACHINE
Don S. Orlando, San Jose, Calif.
Application March 20, 1945, Serial No. 583,775
18 Claims. (Cl. 214—1.1)



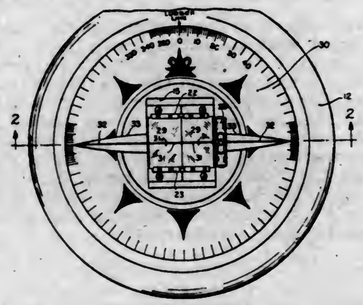
1. In combination with a chute to receive fruit, located at one side of a pick-up station whereto filled fruit boxes are delivered; a plurality of gripper means angularly spaced and rotative about an axis disposed generally beneath the chute, and through an endless path including in succession said pick-up station, a dumping point above the chute, and a release point beyond the chute, and return to the pick-up station; each gripper means including two pairs of jaws, of which one pair is disposed to engage the front and rear sides at one end of the box, and the second pair is disposed to similarly engage at the other end of the box; and means controlling said gripper means to grip a filled box at the pick-up station, to retain it thus gripped as it rotates through successively tilted positions past the dumping point, and to release it upon reaching the release point.

2,424,253
SUCTION CLEANER
Frank L. Pierce, Ferndale, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application August 5, 1944, Serial No. 548,255
7 Claims. (Cl. 183—37)



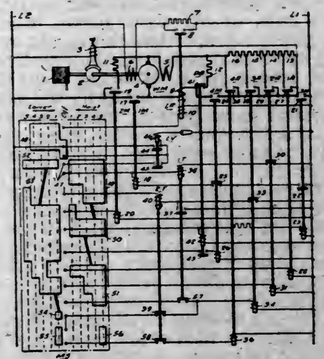
1. A suction cleaner of the horizontal tank type comprising a horizontally extending molded plastic base member formed to provide part of a fan chamber, at least part of a discharge outlet therefrom, and a support for a motor, said base member extending laterally of said fan chamber and motor support to form part of a bag space at one side of said motor and fan chamber, a plate secured to said base member and completing said fan chamber, a motor on said support, a fan in said fan chamber and connected to said motor to be driven thereby, a hood mounted on said base member and cooperating therewith to define surrounding walls of said bag space, said hood and base member cooperating to define a vertical access opening to said bag space, a bag in said bag space, and a closure having an air inlet opening therein and secured to said base member and hood for enclosing said bag space, the longitudinal axis of said bag and bag space being arranged transversely of the axis of said motor and fan.

2,424,254
DEVICE FOR DETERMINING COMPASS ERRORS
John W. Sawyer, United States Navy
Application January 27, 1945, Serial No. 574,939
3 Claims. (Cl. 88—2.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for determining the error of a compass by comparison of the compass reading with respect to the true bearing of two diametrically opposed monuments positioned on a known center range line as the compass moves across said line comprising a fixed annular ring provided with a mark to indicate the direction of movement, a vertical spindle positioned at the center of said ring, a frame provided with a base rotatably mounted on said spindle, a compass rose rotatably centered on said spindle below said frame and within said ring, locking means for clamping the frame and compass rose together, a pair of diametrically opposed pointers rigidly attached to the base plate of the frame at right angles to the axis of the spindle and adapted to read on the compass rose, longitudinal center lines inscribed on said pointers lying in the vertical plane passing through the axis of the spindle, a top plate firmly attached to said frame at right angles to the axis of said spindle, a pair of reflecting elements mounted on said top plate with the reflecting surfaces vertically inclined to each other at an interior angle of approximately 93°, symmetrically disposed with reference to a plane which is normal to the inscribed center lines on the pointers and adapted to simultaneously reflect the images of the monuments to a point exterior to and above said reflecting elements, transverse center lines and center points inscribed on said reflecting elements at the intersection of the vertical plane through the center lines on the pointers with the reflecting surfaces of the reflecting elements and means mounted on said top plate to indicate when said pointers are level, the apparatus adapted, when the pointers are level and reading the known bearing of the center range line on the compass rose and the images of the monuments are on the inscribed lines of the mirrors, to indicate the true compass bearing for the direction of movement of the observer as said center range line is approached, crossed and departed from.

2,424,255
CONTROL SYSTEM FOR ELECTRIC HOISTS
Walter Schaelchlin and Kurt Mahnke, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1945, Serial No. 610,128
7 Claims. (Cl. 172—152)



7. A control system for winches, comprising a winch motor having an armature circuit and a separately excited field circuit, resistance means disposed in said field circuit, an electromagnetic relay disposed for controlling said resistance means and having two control coils, one of said coils being connected with said armature circuit in order to respond to the load current of said motor so as to provide increased field excitation when said current exceeds a given magnitude, control means comprising a selective multi-position master switch having contacts adjustable into a plurality of hoisting and lowering positions and relay means disposed between said

switch contacts and said armature circuit for causing said motor to operate at different selective hoisting and lowering speeds, said other coil of said relay being also connected to said switch contacts so as to be energized when said switch is placed in any lowering position except the one for highest lowering speed in order to permit said load-responsive coil to cause an increase in field excitation during lowering operations only in said highest speed lowering position of said switch.

2,424,256

COLOR DEVELOPERS COMPRISING ARYLSULFONHYDRAZIDES AND METHODS OF DEVELOPING WITH SAME

Willy A. Schmidt and Joseph A. Sprung, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 26, 1945, Serial No. 574,810
21 Claims. (Cl. 95—88)

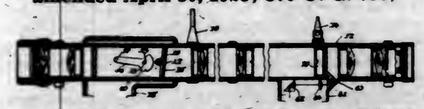
1. The process for the production of azo dyestuff images in an exposed silver halide emulsion layer which comprises subjecting said emulsion to development with a solution of a β-aromatic sulfonhydrazide in the presence of an azo dye coupling component.

2,424,257

TELESCOPIC DIVE BOMBSIGHT

Forrest P. Sherman, United States Navy

Application June 20, 1936, Serial No. 86,316
12 Claims. (Cl. 88—2.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a telescope sight having a reticle with horizontal and vertical fixed reference lines, of adjustable means in said telescope to displace proportionately to a known angle the light from said reticle to the eyepiece of the telescope, means for establishing a stable horizontal, a slide mounted adjacent the last mentioned means to be linearly movable, means including a drum and a forked lever associated therewith to move said slide in accordance with two known factors, a lever pivoted intermediate its ends to said slide, said pivoted lever having an elongated longitudinal slot in each end, a pin on said stable vertical means slidable in one slot in said pivoted lever, a rotatably mounted shaft, an arm at each end of said shaft, the said arms being angularly offset, a pin on one of said arms slidable in the other slot in said pivoted lever, and a horizontal reference element on the other of said arms extending into the field of said telescope, the position of said reference element in the field being varied by said pivoted lever in response to changes in the relative position of said telescope with respect to said stable horizontal means.

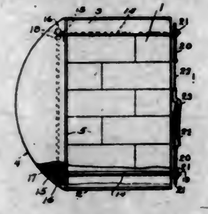
2,424,258

ARTICLE-INVERTING APPARATUS

Hugh Doud Smith, United States Army, Richmond, Va.

Application September 19, 1944, Serial No. 554,831
3 Claims. (Cl. 259—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus for inverting one or more articles assembled into a stack with topwise and bottomwise placed pallets having passages extending lengthwise therethrough: a cradle comprising a base, spaced rockers extending perpendicularly from said base, a pair of parallel



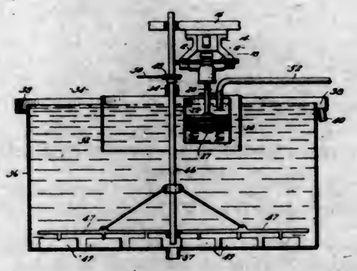
edges in said base normal to said rockers, each of said edges being recessed for the reception of releasable fastening means adapted to pass through and beyond said passages in said pallets and to encircle said stack.

2,424,259

APPARATUS FOR SETTLING SUSPENDED SOLIDS FROM LIQUID MEDIUMS

William Duncan Swallow, Los Angeles, Calif., assignor of two-thirds to George S. Pelton and Herbert E. Pelton, Los Angeles, Calif.; Glenn S. Roberts executor of said William Duncan Swallow, deceased.

Application December 13, 1943, Serial No. 514,191
12 Claims. (Cl. 259—72)



1. An apparatus for settling solids suspended in a liquid medium comprising a tank containing a liquid, a flocculator partially immersed in the liquid in the upper portion of said tank and including a series of closely spaced perforated plates secured together at their centers and at their peripheries and positioned with the perforation in adjacent plates offset whereby liquid passing through the flocculator will travel in a zig-zag path; and electrical power means to vibrate said flocculator at audio frequency as said pregnant medium is passed therethrough.

2,424,260

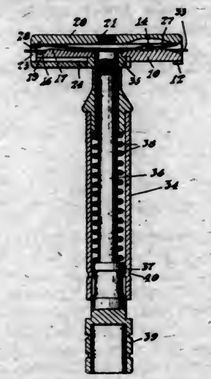
SAFETY RAZOR

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application November 23, 1944, Serial No. 564,770
11 Claims. (Cl. 30—65)

1. A safety razor comprising cooperating blade-clamping members, and a handle having in its length a short section of reduced diameter, one of said members having a retaining element slotted

to receive the handle and being movable longitudinally thereof, and a spring tending at all



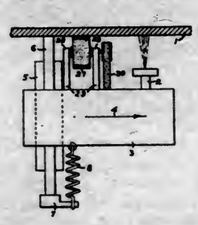
times to hold said retaining element out of registration with the reduced section of the handle.

2,424,261

APPARATUS FOR COATING METALS

Harry A. Toulmin, Jr., Dayton, Ohio, assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio, a corporation of Ohio

Application September 11, 1942, Serial No. 458,025
7 Claims. (Cl. 91—12.1)



5. In a device for coating surfaces, a carriage, a heating mechanism on said carriage adapted to locally heat a surface as the carriage is moved therealong, means positioned on said carriage to follow in the path of said heating mechanism at a predetermined distance as said carriage is moved said means including means adapted to yieldingly feed a strip of solid coating material into contact with said surface, a brush rotatably mounted between said heating mechanism and the point of contact with said surface of said material and means for rotating said brush in contact with said surface and simultaneously feeding said material into coating relation with said surface.

2,424,262

COORDINATED ZIRCONYL AND HAFNYL COMPOUNDS AND THEIR PRODUCTION

Eugene Wainer, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 23, 1943, Serial No. 491,941
7 Claims. (Cl. 260—429)

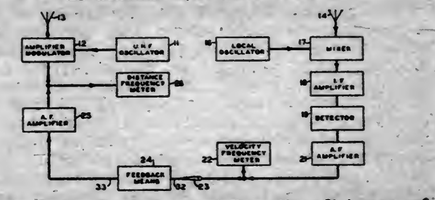
5. The method of making a coordination compound of a basic ion selected from the group consisting of zirconyl and hafnyl ions which comprises adding a water soluble salt of the basic ion with a strong inorganic acid of the group consisting of sulfuric acid, hydrochloric acid and nitric acid to a carbonate selected from the group consisting of the carbonates of the alkali metals, the alkaline earth metals, magnesium, zinc, beryllium and ammonium and thereafter adding the reaction mixture to sufficient of an organic acid having an ionization constant greater than that of carbonic acid completely to react therewith.

2,424,263

RADIO SYSTEM FOR DISTANCE AND VELOCITY MEASUREMENT

John R. Woodyard, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application February 23, 1943, Serial No. 476,845
13 Claims. (Cl. 250—1.56)



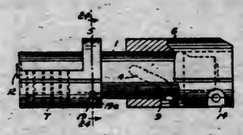
4. A method of determining the distance of remote objects from measuring apparatus, comprising the steps of transmitting ultra high frequency electromagnetic waves into space, receiving waves reflected from an object having motion relative to said apparatus, mixing transmitted and reflected waves to obtain a Doppler beat note, modulating the amplitude of the transmitted waves in accordance with the envelope of the Doppler beat note, and measuring the resultant modulation frequency.

2,424,264

COMPOSITE BOLT STRUCTURE FOR SEMIAUTOMATIC RIFLES

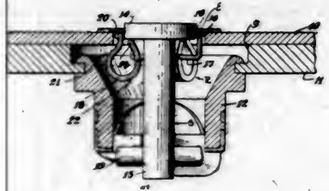
Gerald A. Yorks, Moline, Ill.

Application October 27, 1942, Serial No. 463,471
2 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



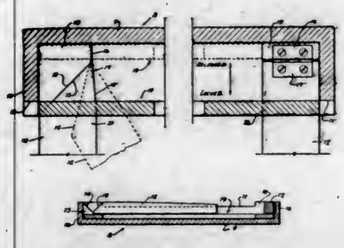
2. A composite bolt structure for a firearm having a receiver, comprising a first sleeve slidably mounted in the receiver for forward and rearward movement, a second sleeve longitudinally and axially aligned with said first sleeve slidably mounted in the receiver for forward and rearward movement, a bolt carried by said sleeves for angular movement, cam means cooperable between said bolt and said second sleeve for rotating said bolt respectively in either a forward or reverse direction upon forward or rearward movement, respectively, of said second sleeve, and means for temporarily locking said bolt to said first sleeve against the rotation relative thereto whereby said first sleeve is moved rearwardly with said bolt and second sleeve a predetermined distance.

2,424,265
RETAINER FOR STUD ASSEMBLY
Rex W. Allen, Palisades, N. Y., assignor to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application March 28, 1944, Serial No. 528,417
9 Claims. (Cl. 24—221)



1. A retainer for supporting a headed stud of a fastener assembly within the aperture of a mounting member, said retainer comprising an annular body, an annular flange carried adjacent the upper edge of the body and arranged to overlie the upper marginal edges of the mounting member adjacent the aperture, and spaced spring elements extending downwardly from the body, the outer ends of such spring elements being curved upwardly, and a projection extending inwardly from such body between at least two of such spring elements, the spring elements being arranged to yieldingly engage the lower surface of the head of the stud.

2,424,266
FOLDABLE LEG STRUCTURE FOR TABLES AND THE LIKE
Charles C. Brown, Greensboro, N. C.
Application November 24, 1944, Serial No. 564,991
2 Claims. (Cl. 311—99)



2. In a table or equivalent structure, a top provided with a marginal rim, blocks rigidly mounted in the corner portions of the rim, said blocks having their normal under surfaces beveled downwardly and outwardly, legs coacting with the respective blocks, the inner ends of said legs being beveled and said bevels coacting with the bevels provided on said blocks, hinge means connecting the beveled ends of the blocks and legs, a projectible and retractible gravity-actuated frame confined within the limits of said rim and movable toward and from the top, said frame having corner notches contacting the inner surfaces of said blocks and legs, predetermined edges of the legs being provided with declivities defining cams to permit the notches to bind against the legs when the frame takes a predetermined horizontal position.

2,424,267
HIGH FREQUENCY RESONATOR AND CIRCUITS THEREFOR
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 16, 1944, Serial No. 535,820
8 Claims. (Cl. 178—44)



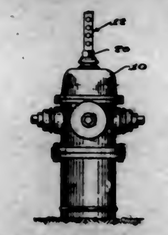
8. A band pass coupling circuit comprising a cavity resonator constituted by a hollow closed electrically conducting surface in the form of a hollow spheroid, said resonator having a band pass characteristic, an element exciting said resonator in its interior at such a location as to produce therein two natural frequencies of oscillation which are relatively close to each other and differ by a predetermined percentage, and an output circuit in the form of another element entering the interior of said resonator at a location substantially symmetrical with respect to said first exciting element.

2,424,268
HUMIDIFIER
William R. P. Delano, New York, N. Y., assignor to Richard Delano, Inc., Setauket, N. Y., a corporation of New York
Application April 15, 1944, Serial No. 531,276
6 Claims. (Cl. 219—45)



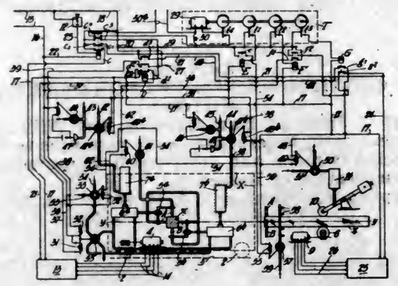
2. The combination of an electric lamp having an elongated base provided with threads on the lower end thereof, a liquid container surrounding said elongated base and a wick of fibrous material having one end extending in the liquid in said container and the other end in direct contact with said lamp whereby liquid drawn from said container through said wick will be evaporated by the heat from said lamp without materially reducing the illumination therefrom.

2,424,269
HYDRANT MARKER
Walter J. Deody, Boston, Mass.
Application July 7, 1944, Serial No. 543,770
1 Claim. (Cl. 88—82)



A marker for a fire hydrant of the type having an operating nut projecting above the top portion thereof, comprising an elongated upright member adapted to be attached to such an operating nut, and a plurality of light reflecting buttons mounted in said upright member, said upright member having all cross-sectional dimensions smaller than the corresponding ones of said operating nut whereby to permit a closed wrench of a size to fit said operating nut to pass thereover without disturbing the marker.

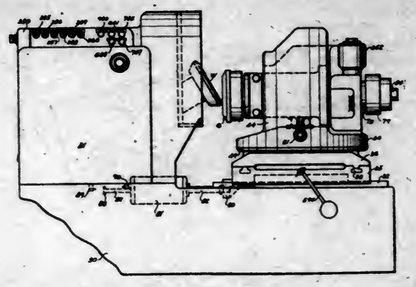
2,424,270
AUTOMATIC TIMING CONTROL FOR SCARFING APPARATUS
George C. Ehemann, Jr., Edgewood, and Paul H. Fickenscher, Duquesne, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 25, 1943, Serial No. 492,320
4 Claims. (Cl. 266—23)



1. In apparatus for continuously scarfing billets and the like, movable scarfing torches and electrically operable means controlling movement of the same in relation to the billet, electrically operable means for moving the billet in relation to the torches, electrically operable means controlling the supply of cutting oxygen to the torches, a source of electrical power, a control circuit including a timing device interconnecting and automatically actuating all of said electrically operable means in predetermined timed sequence while said circuit is energized, and a single pole switch in series with said power source and control circuit for instant interruption of said circuit, whereby the timing device is reset, the flow of oxygen is shut off, and the torches are retracted from the work.

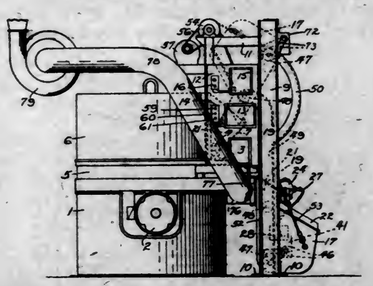
2,424,271
GEAR GRINDING MACHINE
Clarence T. Galloway, Pittsford, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application April 24, 1945, Serial No. 590,028
20 Claims. (Cl. 51—33)

1. In a machine for producing gears, a frame, a tool mounted on the frame, means for actuating the tool to move it in a longitudinally curved path across the face of the work, a rotary work spindle, a head in which the work spindle is journaled, a table on which the head is mounted for adjustment in a direction at right angles to the axis of the work spindle, and a slide on which the table is mounted for angular adjustment about an axis which has a fixed position longitudinally of the axis of the work spindle and which extends at right angles to the axis of the work spindle and which intersects the axis of the work spindle in a point intermediate the ends of the work spindle, said slide being mounted on the frame for lateral adjustment in a direction at right angles to the direction of adjustment of the head and at right angles to the axis about which the table is adjustable, the adjustment of the head and slide serving to position the work relative to the tool in accordance with the hand of curvature of the teeth to be produced on the



work and the angular adjustment of the table serving to position the work relative to the tool in accordance with the root angle of the gear to be produced.

2,424,272
APPARATUS FOR REMOVING FINES IN BUCKET LOADERS
Axel G. Granath and Julius J. Gruenfeld, Chicago, Ill., assignors to Herbert S. Simpson, Evanston, Ill.
Application August 25, 1944, Serial No. 551,170
16 Claims. (Cl. 209—22)

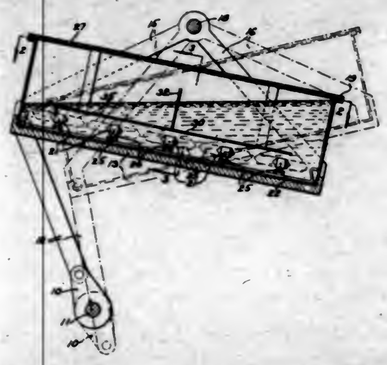


1. In a material reclaiming system wherein a material treating machine is adapted to receive and recondition spent materials, said system including a loading device comprising a loading bucket mounted for movement in the framework, means for operating the bucket for delivering material to the machine, means on the bucket for screening the material as it enters the bucket, and means for withdrawing fines from the screened material as it enters the bucket.

2,424,273
CRYSTAL GROWING APPARATUS
Walter G. Haas, Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1945, Serial No. 588,216
6 Claims. (Cl. 23—273)

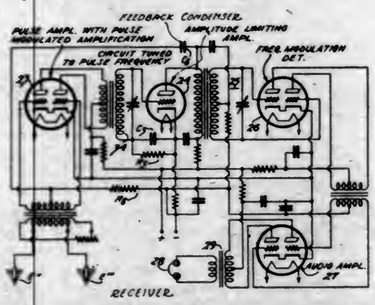
2. An apparatus for growing crystals in a solution comprising a substantially rectangular tank for receiving a supply of crystallizing solution, means rockably supporting said tank, baffle means within the tank in substantially parallel relation to the bottom of the tank and in spaced relation to the bottom of and to the ends of the tank, said baffle means including means extending upwardly therefrom substantially centrally of the tank whereby flow of solution from end to

end of the tank above the baffle may be prevented and restricted to flow between the baffle and the bottom of the tank when the tank is rocked, and



a holding means within the tank constructed to hold and support crystals above the bottom of the tank and below the horizontal baffle means.

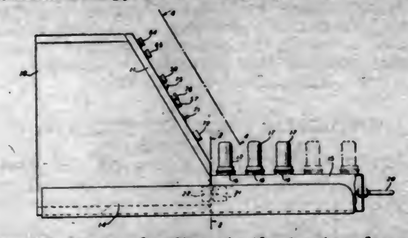
2,424,274
PULSE RECEIVING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 24, 1942, Serial No. 448,223. Divided and this application August 30, 1945, Serial No. 613,512
8 Claims. (Cl. 250—27)



1. A pulse receiving system comprising a push-pull amplifier, an input circuit supplying to said amplifier pulses whose time of occurrence is modulated, said input circuit including a pair of spaced ground connections for receiving the pulses transmitted from a remote point a pulse frequency selective circuit in the output of said amplifier, a limiter coupled to said selective circuit, and a pulse frequency modulation detector coupled to the output of said limiter.

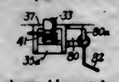
2,424,275
ELECTRICAL TESTING APPARATUS
Lloyd D. Hansen, Fanwood, Andrew S. Hegeman, Jr., Glen Ridge, and Harry N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1944, Serial No. 521,584
19 Claims. (Cl. 315—364)

1. An apparatus for testing vacuum tubes comprising means to electrically connect in series, heater elements of vacuum tubes adapted for a given total normal voltage, means to apply electrical energy of a voltage greater than the



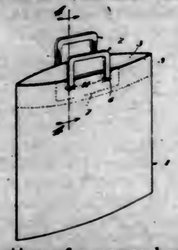
given total normal voltage to the heater elements in series, and means to indicate any vacuum tube whose heater element failed to withstand the greater voltage.

2,424,276
CONTROL MECHANISM FOR CAMERA MOTORS
Carl V. Johnson, Kew Gardens, and William G. Herbstreit, Forest Hills, N. Y., assignors to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application February 7, 1944, Serial No. 521,388
13 Claims. (Cl. 172—179)



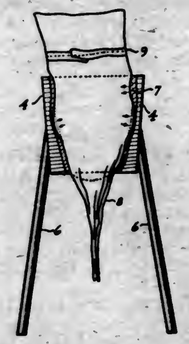
1. In camera construction, in combination, a motor, a first circuit including a first switch for said motor, a solenoid, a second circuit including a second switch for said solenoid, means movable between switch opening and closing positions and responsive to energization of said solenoid for closing said first switch thereby to effect energization of said motor, and means forming a driving connection between said responsive means and said motor upon opening of said second switch and consequent deenergization of said solenoid for driving said responsive means to switch opening position through a predetermined interval of time.

2,424,277
SHOPPER'S BAG
Charles H. Klein, Amberley, Ohio
Application September 27, 1944, Serial No. 556,001
7 Claims. (Cl. 229—52)



1. The combination of a paper bag having pairs of pockets in its side walls adjacent the upper edge of the bag and having apertures forming entranceways into said pockets at the bottoms thereof, reinforcement means spanning the upper portions of said entranceways, and handles having claw portions of U-shaped configuration attached to said bag, with the upwardly extending portions of the claws residing in said pockets and the portions of the claws at the bend of the U engaging the said reenforcements.

2,424,278
METHOD OF FORMING SOCKETS FOR ARTIFICIAL LIMBS
Paul W. Kunkel, Portland, Oreg.
Application October 8, 1945, Serial No. 620,855
6 Claims. (Cl. 3—3)



1. The method of forming sockets for artificial limbs comprising forming an encompassing molding band of more or less unyieldable material, the bore thereof conforming generally to the contour of the terminal portion of a limb to be accommodated therein and to which an artificial limb is to be secured, applying a coating of plastic material to the bore of said band to make it conform more or less exactly to the contour of said limb at rest, plasticizing the external face of said coating, applying pressure to the terminal portion of said limb to simulate operating stresses upon said coating and thus to form an impression in said coating, and casting a permanent socket which reproduces said molding band with the coating thus impressed, whereby a socket is formed which, in place on the terminal portion of a limb to which an artificial limb is to be secured, applies more or less uniform pressure to the entire contacted area of said terminal portion of said limb under operating stresses, which contour thus formed is independent of the contour of said terminal limb portion when it is at rest.

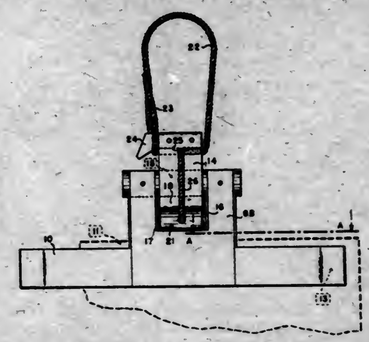
2,424,279
UNIFORM CAP
Harry Libshutz and Irving Libshutz, Baltimore, Md.
Application July 13, 1945, Serial No. 604,790
3 Claims. (Cl. 2—180)



1. A convertible uniform cap of the class described comprising a molded body ring adapted to encompass the head of a wearer, a stayer and peak integrally molded with said body ring, a stiffener ring, and an internal recess positioned in said stayer to support said stiffener ring.

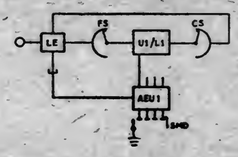
2,424,280
GARMENT HANGER
Carl Lurtz, Brooklyn, N. Y.
Application May 7, 1943, Serial No. 486,067
8 Claims. (Cl. 223—91)

1. In a garment hanger, means for connecting it in a pendent position to a stationary support, a first and second angularly movable arm pivotally interconnected at one end to enable a piece of material to be held between the free ends of the arms when the latter are held closed together; supplementary lever-elements having operating contact-faces arranged respectively on the first and second arm and movable co-extensively therewith, a wedge adapted to engage each of said



contact-faces for urging the arms together with movement of the wedge in a definite direction over a limited path, and an instrumentality coactive between said supplementary lever-elements and the wedge to afford the latter to be moved completely out of its limited path in a direction away from the pivotal interconnection of the arms.

2,424,281
RELAY ALLOTTER FOR FINDER SWITCHES
John William McClew and Owen Avis Pearce, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application December 8, 1944, Serial No. 567,223
In Great Britain January 22, 1944
6 Claims. (Cl. 179—18)

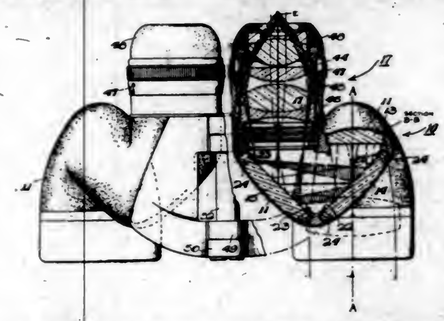


1. In a telephone system, a group of lines, a group of finder switches having access to said lines, an allotter comprising a chain of relays one for each finder, a closed chain circuit including said relays and a unidirectional current conducting device in the circuit between each relay and the next, and a switching device operated to apply starting potential to each relay in turn when a call is initiated to allot an idle finder for use in handling the call.

2,424,282
BODY AND MODIFIED FIRST PORRO TYPE ERECTING SYSTEM FOR TELESCOPIC INSTRUMENTS
John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 3, 1943, Serial No. 508,844
6 Claims. (Cl. 88—34)

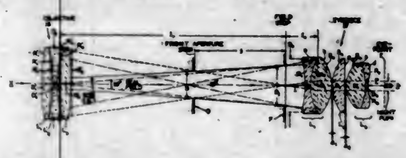
1. An optical system having an objective, an eyepiece, a first Porro type erecting system having four reflecting surfaces, and a housing oper-

atively connecting them all, characterized in that: said reflecting surfaces are arranged to have the used areas of a reflecting surface of each of the first and second pairs of reflecting surfaces overlap in the direction of the line of sight so that an optically used portion of a reflecting



surface of said second pair is to the rear of a plane which is normal to the line of sight and touches the front edge of the furthest forward optically used portion of the first pair of reflecting surfaces, where the forward direction is toward the object.

2,424,283
OPTICAL SYSTEM FOR TELESCOPES AND BINOCULARS
John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application August 9, 1945, Serial No. 609,748
18 Claims. (Cl. 88—32)

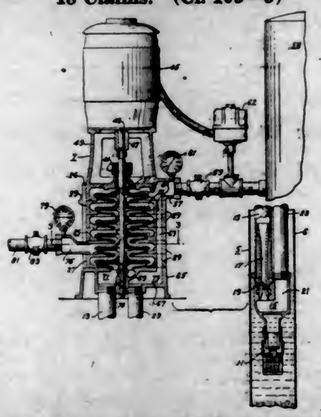


1. A telescope of around seven-power, for optical instruments of the class including binoculars, having an objective and an eyepiece with a generally double-truncated-conical optical space required before the latter is folded, a first Porro type erecting system having four reflectors, a field stop, and a housing operatively connecting them all, characterized in that: said housing defines an equivalent front aperture stop diameter D at an optical distance s from the field stop such that $s/D<3.5$ and $2.5<f_0/s<3.25$, where f_0, the objective's focal length, is approximately 6.5", and the real field is not less than substantially the angle optically subtended at the objective's rear nodal point by the diameter D; said erecting system has the reflectors so arranged that the actual mechanical length of the portion of the unfolded optical space including only the reflector's used-surface-areas is less than substantially 3.5 times the maximum diameter of said portion, whereby the optical system is made shorter than the length of an unmodified but otherwise similar Porro system of the first type; said objective has the edges of all adjacent elements touching and consists of at least two members with each crown element of dense barium crown glass and each flint element of light flint glass, with a stronger than $\frac{1}{8}f_0$ air-lens between the front member and the next member, the front member being positive and having its power numerically greater than 5.5 times that of the objective's complemental portion, and the objective has a positive rear surface with its radius less than $1.5f_0$; and said eyepiece has a focal length f_e such that $0.8''<f_e<1.1''$, a maximum working diameter D_e of its front member such that $1.5<D_e/f_e<2.0$, and is of the Erfle type modified to have the edges of the outer members strongly bent outwardly and that of the central member strongly bent to the rear.

2,424,284
FIXATION OF FINELY DIVIDED SUBSTANCES
Henry Charles Olpin, Sydney Alfred Gibson, and William Cyril McKnight, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application December 21, 1943, Serial No. 515,146. In Great Britain February 22, 1943
5 Claims. (Cl. 117—144.5)

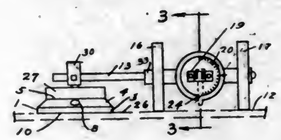
1. Process for fixing pigments on textile materials, ribbons or films having a basis of cellulose acetate which comprises impregnating the material with an aqueous solution of a solid acid of ionisation constant (for the first hydrogen atom) of not less than 10^{-4}, drying the impregnated material so that it retains the acid, applying the pigment to the material in the form of a paste containing a water soluble condensation product of an aldehyde with an amino triazine, and heating the materials so as to effect the conversion of the water-soluble condensation product to a water-insoluble condensation product.

2,424,285
PUMP AND PUMP SYSTEM
Jack E. Piccardo, Oakland, and John E. Armstrong, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated, a corporation of California
Application May 31, 1941, Serial No. 396,018
18 Claims. (Cl. 103—5)



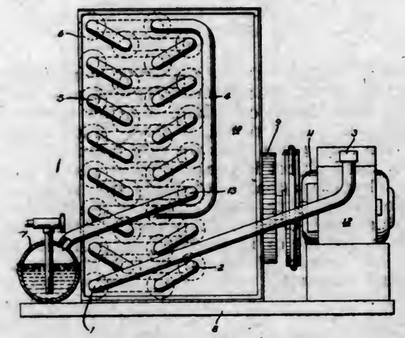
1. A pump system comprising, a pump assembly including a plurality of stages and having an input opening and a discharge outlet; a suction line leading to said input opening; an injector assembly including a nozzle and a venturi, connected in said suction line; means within one of said stages for dividing the input to said assembly between said discharge outlet and a subsequent stage, and means for directing fluid from said subsequent stage to said nozzle.

2,424,286
BURNER CRADLE
Benjamin C. Robbins, Baltimore, Md.
Application May 25, 1943, Serial No. 488,423
2 Claims. (Cl. 266—23)



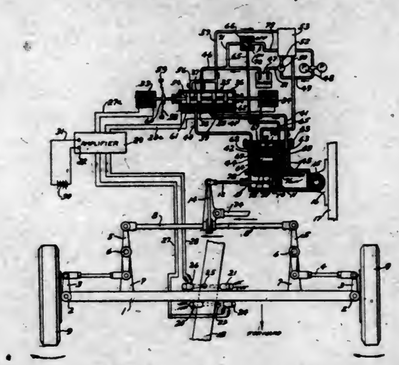
1. In combination with a burner manipulating device of the class described comprising in combination a magnetic base having a passage therethrough, said passage being adapted to receive a prick punch attachment therein for marking and positioning material placed under the stand in a predetermined location, an adjustable off-set arm mounted on the base and adapted to travel in predetermined directions, a carriage with a plurality of wheels to support and prevent the carriage from turning over, a burner mounted on the carriage and arranged to be positioned at predetermined angles thereto.

2,424,287
REFRIGERATION CONDENSER-RECEIVER
Peter Schlumbohm, New York, N. Y.
Application October 20, 1943, Serial No. 506,953
4 Claims. (Cl. 62—115)



1. Refrigeration condensing unit, comprising a metal base, a condenser formed of tubular sections mounted in horizontal rows, vertically superposed within a condenser-frame, a receiver tank for receiving condensed liquid refrigerant leaving said condenser by gravity flow, and tubular means connecting the outlet of said condenser with said receiver; said condenser frame and said receiver tank being mounted on said metal base with the bottom of the frame and the bottom of the receiver on the same level; said tubular means descending from a particular row of said tubular sections above the top of said receiver; the rows below the entrance to said outlet forming an ascending tubular path for superheated vapors having an inlet at the bottom of the lowermost portion of said path and an outlet below the region of said particular row, and an ascending tube connected to the second mentioned outlet and to a tubular section in the top of said sections.

2,424,288
AUTOMATIC STEERING APPARATUS
Victor H. Severy, Atlanta, Ga.
Application March 24, 1944, Serial No. 528,002
8 Claims. (Cl. 180—79.2)

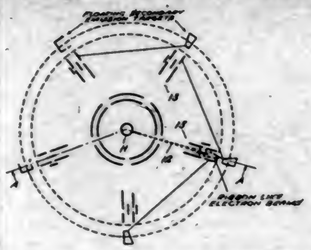


1. In vehicle guiding apparatus for guiding a vehicle passing along a roadway, the combination of a reflecting guide-strip of substantially uniform width extending along the roadway, means for projecting a ray of light onto the guide-strip adjacent one edge thereof so that the ray is reflected from the same, a second means for projecting a ray of light onto the guide-strip adjacent another edge thereof so as to be reflected from the same, located forward, or aft, behind, the first-named means, a light-sensitive element upon which the first named light ray normally impinges to form a lighted spot on the guide strip when the vehicle is running normally in line with the said strip, a second light-sensitive element upon which the other ray impinges to form a lighted spot on the guide strip when the vehicle is running normally in line with said strip, electric circuit means including a branch-circuit corresponding to each of said light-sensitive elements, and connected to the same, and means controlled by said electric means through the agency of said branch-circuits for maintaining the vehicle in line with said guide-strip the said fore and aft relative positions of said light projecting means operating to displace one or the other of the said light spots from the guide strip when the vehicle becomes out of the line with the guide strip.

2,424,289
CALCULATING DEVICE
Richard L. Snyder, Jr., and Jan A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 30, 1943, Serial No. 496,746
36 Claims. (Cl. 235—61)

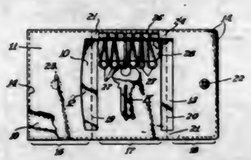
12. The combination of electron producing means, means for forming said electrons into a beam, subtotal and carry over targets shielded from one another and each having secondary electron emissive surfaces which are more remotely and less remotely spaced from said electron producing means and are provided with operating positions so aligned that said beam strikes the more remote subtotal target surface and the less remote carry over target surface in the first of said positions, strikes the less remote surfaces of said targets in the second of said positions, strikes the more remote surfaces of said targets in the third of said positions and strikes

the less remote subtotal target surface and the more remote carry over target surface in the fourth of said positions, and a plurality of elec-



trodes energizable to different potentials for moving said beam from one to another of said positions.

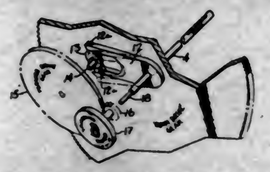
2,424,290
LEATHER KEY CASE
Leopold G. Stanley, Maplewood, N. J.
Application August 12, 1944, Serial No. 549,175
1 Claim. (Cl. 150—40)



A three-section, two-piece key case composed of two substantially oblong and coextensive outer and inner superposed layers of leather each peripherally complete and integral and the two peripherially stitched or united together around their entire outline, and the inner layer having two interior transverse cut-away open slots of substantial width reaching slightly short of the side edges thereby to leave integral marginal bridge strips at the inner face between sections but located to divide the layer and case into the three approximately equal sections, said sections being adapted to be overfolded about two transverse hinge lines passing respectively through such transverse slots for closing and opening the case, with each hinging action requiring folding of only the outer layer along the major part of each hinge line, and the middle section being a panel section carrying near its upper edge a key-holding fixture, and each of said end sections providing a pocket closed around three sides where the two layers are peripherally united and opening through the adjacent transverse open slot toward the middle section; the key case having a continuous leather margin around the entire oblong periphery of its inner layer.

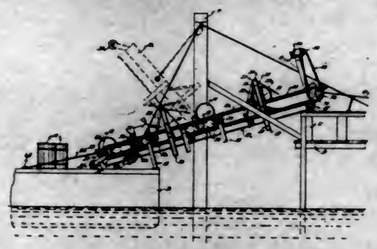
2,424,291
DRIVE MECHANISM FOR GANGED CONDENSERS AND THE LIKE
Richard R. Stoddart, Los Angeles, Calif.
Application August 7, 1945, Serial No. 609,378
4 Claims. (Cl. 74—10)

1. A vernier drive mechanism for use in connection with a "ganged" drive adapted for concurrent rotation of a plurality of rotatable members, which comprises: a rotatable drive member associated with and adapted to be rotated upon operation of such "ganged" drive; a shaft member coaxial with said drive member and adapted for rotative movement independent of said drive member, said shaft member being connected to one of said plurality of rotatable members; an eccentric member rotatively mounted on said drive member at a position removed from the axis of rotation thereof; a yoke member secured



to said shaft member and subtending said eccentric member; and means for rotating said eccentric member to effect minor rotative movement of said shaft member with respect to said drive member.

2,424,292
ENDLESS PUSHER CONVEYER
Harmon L. Watkins and Baker M. Honeycutt, Shreveport, La.
Application April 12, 1945, Serial No. 587,932
2 Claims. (Cl. 198—173)

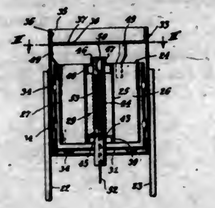


1. An endless chain conveyor comprising a frame, a pair of spaced parallel guide rails mounted on said frame on which a drum or the like is adapted to be rolled, a floor plate mounted between said guide rails on said frame on which a flat sided object is adapted to be slid, a pair of parallel endless chains rotatably mounted on said frame parallel to said guide rails, means for rotating said chains, said chains being joined together by one or more axles, each of said axles carrying a pair of pusher rollers positioned in vertical alignment with said guide rails, said pusher rollers being adapted to roll a drum or the like up said guide rails, each of said axles carrying a pusher plate positioned between said pusher rollers and adapted to slide a flat object up said floor plate.

2,424,293
THERMIONIC CATHODE CONSTRUCTION
Ward W. Watrous, Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,659
16 Claims. (Cl. 250—27.5)

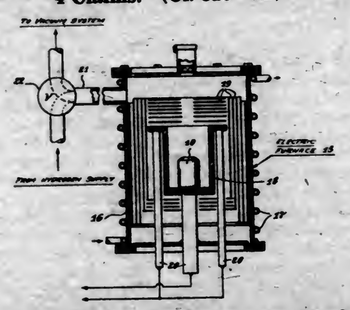
2. A cathode comprising a hollow element defining a heater-receiving space, a heater in said space, said heater comprising a refractory insulative core and a refractory metal heating element on said core, a bottom cap portion in said space gripping the core at a groove therein and with a depending peripheral flange secured to the lower portion of said cylindrical element, and a top cap with a central embossment receiving the top portion of the core and a depending peripheral flange secured to the upper portion of said cylindrical element.

6. A cathode comprising a hollow cylindrical element defining a heater-receiving space, a heater in said space, said heater comprising a refractory insulative core and a refractory metal heating element on said core, said element being a helical coil portion on the outside and a straight portion running inside of said core, a bottom cap portion in said space gripping the core at a groove therein and with a depending peripheral



flange secured to the lower portion of said cylindrical element, a top cap with a central embossment receiving the top portion of the core and a depending peripheral flange secured to the upper portion of said cylindrical element, a plurality of electron-emitting upwardly opening cells surrounding said heater-receiving space, and a baffle partly closing the upper ends of said cells.

2,424,294
GRAPHITE OUTGASSING
John E. White, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1945, Serial No. 580,357
4 Claims. (Cl. 316—21)



4. An outgassing method for a part to be used in an evacuated envelope, comprising heating the part in vacuum to a temperature less than its melting point and simultaneously outgassing the same before introduction into said envelope, cooling said part while still in vacuum, and after cooling of said part admitting a protecting gas thereto, transferring said part to said envelope, and again heating, but at a lower temperature than the first said heating, and simultaneously outgassing said part in the envelope.

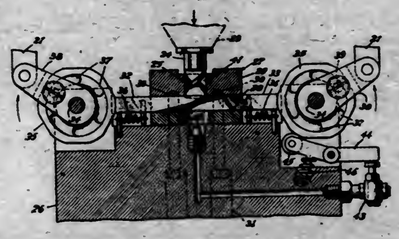
2,424,295
ROTATABLE MAGNETIC REPRODUCING MEANS
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1943, Serial No. 495,792
6 Claims. (Cl. 179—100.2)

1. In a magnetic reproducing system for reproducing records corresponding to a signal-time sequence and magnetically recorded on a permanently magnetizable record track as variations of magnetic flux along the length of the record track: a record reproducing device including a mounting structure having an exposed surface and movably mounted for contact between its exposed surface and the record track; a magnetic core element secured to the mounting structure and having exposed portions for magnetic linkage with the record track contacting the exposed surface of the mounting structure; windings interlinked with said core element; ac-



tuating means for moving said mounting structure with respect to the record track so that the mounting structure and core element move through predetermined cycles as successive portions of said record track are brought into magnetic linkage with said core element for inducing in said windings an electric output corresponding to the cycles of core element movement modulated by the magnetic flux variations; and demodulating means for separating the modulating flux variations from the output of the windings.

2,424,296
MACHINE FOR SETTING AND EJECTING PREFORMED SPIRAL STUDS
Victor F. Zahodiakin, Short Hills, N. J.
Application October 11, 1945, Serial No. 621,772
4 Claims. (Cl. 153—78)

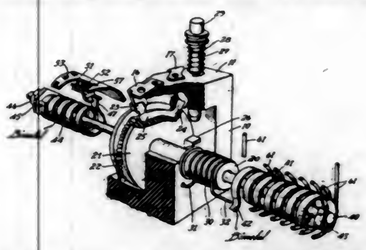


1. A setting machine comprising a channeled guide, die sections slidable toward each other in the channel of said guide and with ends of the die sections facing each other, cams intermittently rotatable for sliding said die sections simultaneously toward each other at their facing ends for establishing a slot of predetermined dimension between said facing ends of said die sections, said cams having periods of rest between the intermittent rotations thereof and maintaining said slot during said periods of rest of the cams, pawl and ratchet means for intermittently rotating said cams with periods of rest between the intermittent rotation, and means for forcing work into said slot during periods of rest of the cam.

2,424,297
OVERLOAD RELAY
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1943, Serial No. 511,045
12 Claims. (Cl. 200—122)

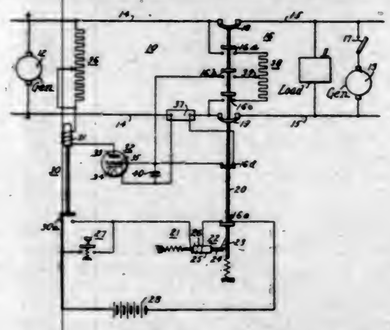
1. A relay comprising, in combination, a supporting structure, a contact assembly having a

hollow shaft rotatably mounted in said structure, a spring attached between said structure and said assembly for biasing said shaft for rotation, a helical clutching spring seated on said shaft for gripping it so as to normally prevent said rotation and having one end engaging said structure, a bimetal winding arranged coaxially to said shaft and having one end arranged for engaging the other end of said clutching spring, an inner shaft coaxially traversing said hollow shaft and being connected with the other end of said wind-



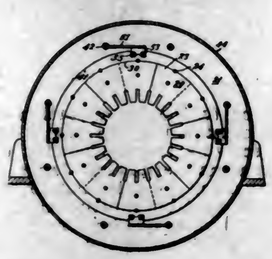
ing, another bimetal winding arranged for compensating changes in ambient temperature and arranged coaxially to said shafts, said other winding having one end connected to said inner shaft and the other end connected to said structure for temperature-responsive motion in opposition to that of said first winding, and electric heating means adjacent to said first winding for heating it in order to cause it to unwind said clutching spring so as to release said hollow shaft for rotation under the force of said biasing spring.

2,424,298
REVERSE CURRENT CIRCUIT PROTECTION
Francis T. Bailey, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1943, Serial No. 501,799
8 Claims. (Cl. 175—294)



1. A control system for a circuit breaker connecting a load circuit to a direct current source in a power system comprising, relay means effective to provide for tripping of the circuit breaker, a normally conductive discharge device controlling the operation of the relay means to prevent tripping of the circuit breaker, said discharge device having a control electrode, circuit means providing a control voltage for the control electrode in accordance with the direction of current flow in the power system so as to provide for rendering the discharge device nonconductive and tripping the circuit breaker when the current reverses, and additional circuit means including normally open contact members of the circuit breaker for applying a control voltage to the control electrode in accordance with the source voltage for resetting the relay means so that the circuit breaker may be reclosed.

2,424,299
GENERATOR
René A. Baudry, Wilkinsburg, and Harry E. Criner, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1945, Serial No. 572,612
7 Claims. (Cl. 171—252)

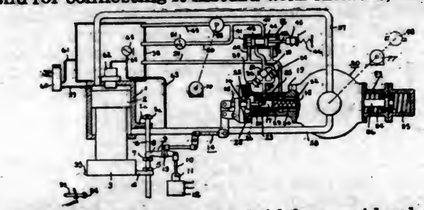


1. An alternating-current dynamo-electric machine comprising a stator-member, and a rotor-member rotatably supported within said stator-member, said stator-member comprising a stator-core, an outer frame surrounding said stator-core, and an alternating-current winding carried by said stator-core, said stator-core being built up of punchings, a plurality of axially extending rib-members, the outer peripheries of said punchings being keyed to said rib-members, a plurality of identically bored core-supporting rings fitting closely around said rib-members at axially spaced points, welded joints between said core-supporting rings and said rib-members, said outer frame having a plurality of axially spaced frame-rings, a plurality of axially extending strut-members secured to said frame-rings at points removed from the outer peripheries of said frame-rings, and an outer sheeting around the outer peripheries of said frame-rings, and supporting-means for supporting each of a plurality of said core-supporting rings from said outer frame, the supporting-means for each of a plurality of said core-supporting rings comprising a plurality of circumferentially distributed connecting-members, each connecting-member being joined at one point or points to a core-supporting ring, and joined at another point or points to an axially extending strut-member at an intermediate point between two frame-rings.

2,424,300
CONTROL SYSTEM FOR HYDRAULIC CIRCUITS
Walter Becker, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application December 26, 1942, Serial No. 470,268
14 Claims. (Cl. 60—52)

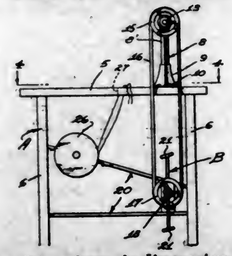
13. In a hydraulic system, in combination with a pump normally yieldingly urged toward neutral and having pressure operated delivery control means, power means directly connected with said pump for driving the same, a source of pressure fluid, valve means connecting said source with said control means and having an exhaust con-

nection, valve actuating means operated by and for a predetermined time after the starting of the power means to actuate said valve means for disconnecting said control means from said source and for connecting it instead with exhaust, means



permitting free supply of fluid from said valve to said control means and a restricted exhaust of fluid from said control means, and other means selectively operable for energizing said valve actuating means irrespective of whether or not said prime mover is being started.

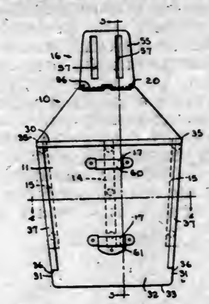
2,424,301
ARMATURE AND COIL WINDING MACHINE
Hugo B. Boyer, Los Angeles, Calif.
Application March 13, 1946, Serial No. 654,056
5 Claims. (Cl. 242—8)



2. In a machine for winding wire on armatures and the like, an upright frame including a horizontal top member and legs supporting said top member, an armature supporting means projecting upwardly from said top member, an operating means mounted on said frame beneath said top member subject to control by means of the feet of an operator seated astride said top member, a drive means between said armature supporting means and said operating means for rotating said supporting means together with the armature, and a means affording the feed of wire upward from said top member at a point thereon between the operator and said supporting means with the wire subject to being guided to the armature by the hands of the operator.

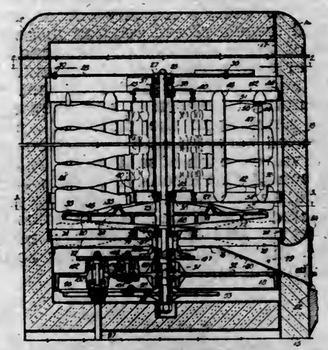
2,424,302
SCABBARD
Kyle J. Brickey, Ottumwa, Iowa
Application March 18, 1946, Serial No. 655,159
5 Claims. (Cl. 224—2)

3. In a scabbard, a rear wall and a front wall, each having side edges and a bottom edge, end walls of substantially V-shape fixedly secured at one longitudinal edge of each to the side edges of one of said other walls, and provided with flanges along their other longitudinal edge, extending toward each other, said front wall having an upper end portion, end edge portions constructed and arranged to slide over the inner faces of said flanges, and a bottom edge constructed and arranged to contact said other bottom edge in a frictional face-to-face relationship, and means to provide a pair of compartments within said scabbard and to retain the side edge portions of said front wall in tight engagement with said flanges, including a partition



member extending longitudinally of said scabbard, and from rear wall to front wall, and in frictional engagement with said front wall.

2,424,303
BOTTLE DISPENSING APPARATUS
August Carlson, Kansas City, Mo.
Application May 10, 1943, Serial No. 486,281
12 Claims. (Cl. 312—46)

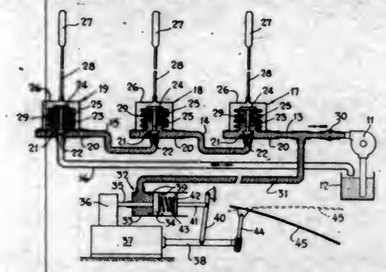


11. In article dispensing apparatus of the character described, having a discharge or article delivery opening, a magazine structure having a plurality of bottle shaped compartments each open at the bottom and containing the articles to be vended, a bottom closure member having a correspondingly shaped outlet opening and movable for locating said opening in outlet relation with the bottom of any one of said compartments, means for removing the articles one by one as they traverse said outlet opening and conveying the articles to said article delivery opening, and drive connections arranged in a substantially horizontal plane and operating periodically to shift said closure member to relocate its outlet opening in outlet relation with the bottom of another of the article compartments.

2,424,304
CONTROL SYSTEM
Lewis L. Cunningham, Los Angeles, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application June 5, 1943, Serial No. 489,796
1 Claim. (Cl. 236—86)

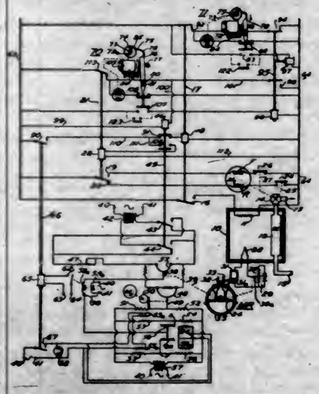
In a condition control system: a conduit; a source of pressure fluid connected through a re-

striction to one end of said conduit, the other end of the conduit being at atmospheric pressure; a plurality of throttling valves connected in series in said conduit for controlling flow through the conduit and thereby the pressure of the fluid therein; the flow-restricting means of said valves being so arranged that the pressure of the fluid in each valve is in a sense tending to close the valve; a plurality of fluid-pressure motors for individually operating said valves; a plurality of devices individually cooperable with said motors for operatively varying the pressure therein, said devices being individually and directly responsive to the magnitude of said condition; said motors being so arranged that they are also subjected



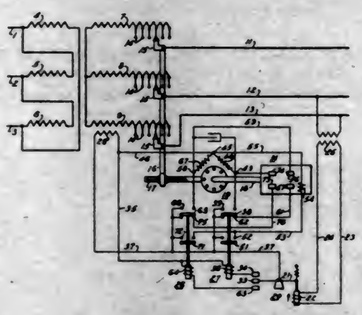
to the pressure of the fluid within the respective valves and so that, when any one of the valves is operated toward closed position in response to variation of the magnitude of said condition, the variation of fluid pressure in the conduit thereby produced acts upon the motor of that valve in a sense tending to reopen it, and likewise acts in the same sense upon the motor of any of the valves located between said restriction and said one of the valves; each of said valves, said motors, and said condition-responsive devices being substantially alike; an additional fluid-pressure motor connected to said conduit at a point between the restriction and the valves; and means operated by said additional motor for controlling the magnitude of said condition.

2,424,305
CONTROL SYSTEM
Elwood T. Davis, Brookline, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 26, 1944, Serial No. 551,363
19 Claims. (Cl. 257—3)



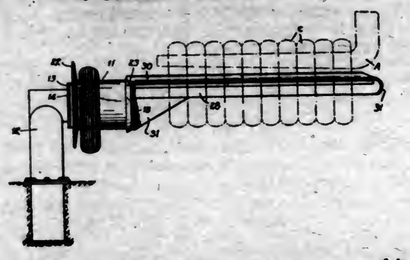
18. The combination with separate means for varying in opposite directions the magnitude of a condition, of a controller having off and on positions, means including a detector responsive to changes in the magnitude of said condition for operating said controller to its on position for variable periods of time, selective means for placing one or the other of said separate means under control of said controller, and timing means operable when said controller is in its off position for a predetermined time interval for transferring said controller from one to the other of said separate means.

2,424,306
MOTOR PLUGGING BRAKE
Clinton L. Denault, Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1946, Serial No. 640,959
10 Claims. (Cl. 172—179)



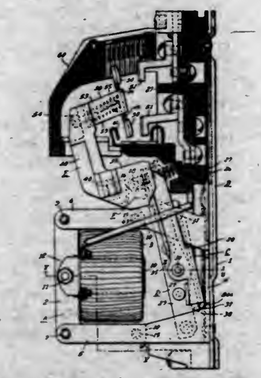
1. In a motor driven electrical apparatus, in combination, a motor, a pair of directional relays for controlling the operation of the motor in the one or the other of two directions of rotation, a pair of motor plugging circuits, a preset motor plugging switch device comprising a pair of motor plugging switches, a shaft and brake drum operably connected to rotate in accordance with the rotation of said motor, a switch operating structure mounted for movement in the one or in the other direction from a neutral position in accordance with the direction of rotation of the brake drum comprising a frame rotatably mounted about the axis of the drum, brake shoes mounted on the frame and biased into engagement with the brake drum for effecting movement of the frame in accordance with the direction of rotation of the brake drum, said preset plugging switch device including two switches responsive to the movement of the switch operating structure in the one or in the other direction from its neutral position for closing the one or the other of said two switches, means responsive to the movement of a directional relay to a motor interrupting position to complete a motor plugging circuit, said preset plugging switch device being effective upon the stopping of the motor to interrupt said plugging circuit, a locking finger on said frame and a spring biased locking lever for engaging the locking finger when the switch operating structure is in its neutral position and an electric magnet energized upon energization of the motor for operation in a motoring direction for operating the locking lever to release engagement thereof to permit operation of the switch operating structure in accordance with the rotation of the brake drum.

2,424,307
ROTARY PAY-OFF
Richard Schaefer Dunbar, Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1945, Serial No. 631,832
7 Claims. (Cl. 242—54)



1. A wire coil payoff comprising, in combination, a horizontal beam for supporting a plurality of coils thereon, means for supporting said beam at one end for simultaneous loading of said coils onto said beam from its free end, and a rotatable reel on said supporting means in proximity to the fixed end of said beam for receiving the innermost coil from the beam and rotatably supporting said coil for unwinding.

2,424,308
CONTACTOR
Delbert Ellis, Forest Hills, and James H. Alspach, Swissvale, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1942, Serial No. 458,386
7 Claims. (Cl. 200—87)



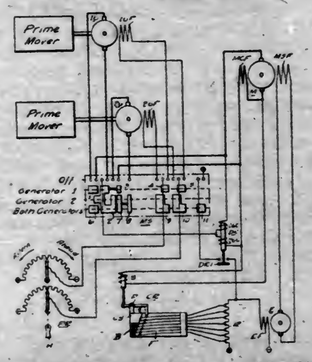
1. In an electric switch, a support, a plate mounted on said support and having upper and lower pairs of spaced legs projecting outwardly therefrom, an electromagnet secured to the outer ends of said legs and spaced from said plate, an elongated pivot bar extending transversely of said upper pair of legs and having a longitudinal pivot edge, a bracket having upwardly projecting parts defining dihedral bearings at spaced points intermediate the ends thereof, a spring engageable with one end of said bracket for biasing the same to a limited position with respect to said support and for maintaining said bearings in engagement with said edge, the other end of said bracket projecting downwardly into the space between said magnet and support, an armature for said magnet mounted on said other end, and a cross-bar connected to the first-named end of said bracket and forming together with said bracket a housing for said pivot bar, said housing having surfaces operative to prevent endwise movement of said pivot bar and to limit movement of said cross-bar and bracket with respect to said pivot bar.

2,424,309
TEMPORARY HOLDING PIN
Charles Elvy, Rainham, Gillingham, England
Application November 23, 1943, Serial No. 511,410
In Great Britain June 16, 1943
5 Claims. (Cl. 85—6)



5. A locating pin comprising a pin proper divided longitudinally into a number of parts, a wedging member interposed between said parts, means common to and supporting said parts and wedging member, said wedging member being slidable longitudinally relatively to the said parts and being sandwiched between such parts so that yielding opposition is afforded to such sliding movement, and cam lever means for retracting the wedging member relatively to said parts for re-establishing normal unlocking relationship of the said parts and the wedging member.

2,424,310
ELECTRIC PROPULSION SYSTEM
Erling Frisch, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 16, 1944, Serial No. 563,733
5 Claims. (Cl. 172—239)

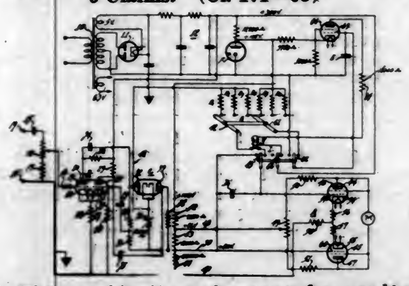


1. In an electric drive, the combination of, a motor, a field winding for the motor, a plurality of generators electrically connected in series with the motor, means for supplying electrical energy to said motor field winding depending upon the magnitude of the motor armature current, control means, means for energizing said control means in dependence of the electrical output of all said generators, said energization being of a character to maintain said control means inactive when all said generators supply electrical energy thereto and rendering said control means active upon failure of energization thereof by any one of said generators, and means responsive to said control means for applying a predetermined maximum excitation to said motor field winding upon operation of said control means.

2,424,311
PROCESS FOR MAKING ESTERS OF 7,8-DIAMINO NONOIC ACID
Stanton A. Harris, Westfield, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. **Application November 10, 1943, Serial No. 509,772**
12 Claims. (Cl. 260—482)

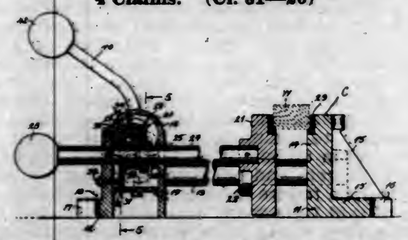
1. The process which comprises treating a lower alkyl ester of 8-keto-nonoic acid with an alkyl nitrite under slightly acidic conditions and treating the reaction product with hydroxylamine to produce a lower alkyl ester of 7:8-dioximino-nonoic acid, and catalytically hydrogenating said alkyl 7:8-dioximino-nonoate in alcoholic ammonia solution in the presence of Raney nickel catalyst to produce the corresponding lower alkyl ester of 7:8-diamino-nonoic acid.

2,424,312
AVERAGE VALUE VOLTAGE MEASURING DEVICE
Harold E. Haynes, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1946, Serial No. 664,762
6 Claims. (Cl. 171—95)



1. The combination of means for producing unidirectional pulses proportional to the successive cycles of an alternating potential to be measured, current storage means, a direct current meter having an input circuit responsive to the potential of said storage means, means for predetermining the rate at which current is stored in said storage means by said unidirectional pulses, means for interrupting the storing of said current in said storage means, and means operated simultaneously with said rate determining means for predetermining the time at which said interrupting means is operated to terminate the storage of said current.

2,424,313
QUICK LOCKING VISE
Robert O. Heinrich, Racine, Wis.
Application May 15, 1943, Serial No. 487,099
4 Claims. (Cl. 81—26)



1. A vise or clamp comprising a fixed jaw, a movable jaw, a freely slidable bar connected to the movable jaw for moving said movable jaw to an initial adjusted position, a pair of spaced clamp plates having openings through which the bar extends, a rock crank shaft having its throw portion disposed between the clamp plates for tilting said plates, and spring means normally urging the plates to a substantially right angular position relative to the bar, with the openings therein in longitudinal alignment with the bar and against said throw portion.

2,424,314
PROTECTIVE LINK
John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,223
2 Claims. (Cl. 200—113)



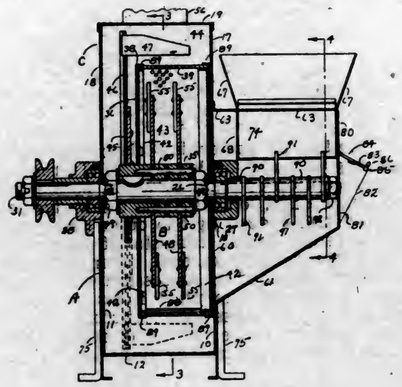
2. A protective device for electrical apparatus provided with a dielectric liquid, in combination, a conductor having predetermined fusing characteristics, a resistor connected in series circuit relation with the fusible conductor, the resistor having a greater thermal capacity than the fusible conductor whereby the fusible conductor will fail before the resistor when they are subjected to fusing currents, a case for the fusible conductor and resistor, and a threaded insulator for carrying the resistor, the resistor being wound in the grooves provided in the insulator by the thread, the insulator being disposed in the case and smaller in outside diameter than the internal diameter of the case, thereby to provide a passageway for a predetermined flow of gases such as occur in normal operation of the transformer, the case being open at the lower end to admit the dielectric liquid and at the upper end to permit the escape of gases.

2,424,315
FABRIC TUBE
Charles S. Hyatt and Harold H. Brooks, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio
Application March 9, 1944, Serial No. 525,650
7 Claims. (Cl. 138—55)



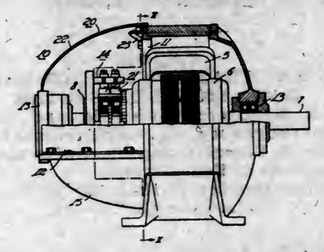
6. A fabric tube that includes, a pair of fabric strips, each having a fluid impervious thermoplastic resin coating on one side thereof filling the interstices against passage of fluid therethrough and positioned upon one another with the thermoplastic coatings in face engagement securing the strips together thereby and with an edge portion of each of the strips extending beyond a corresponding edge of the opposite strip whereby to provide an exposed coated surface extending longitudinally along opposite edges of the strip that are positioned to face in opposite directions, the coated surfaces of said extending edges being positioned in face engagement whereby to seal said edges together only by the coating on the said edges and form thereby a closed fabric tube of uniform cross-sectional wall thickness.

2,424,316
TWO STAGE HAMMER MILL
Howard Milton Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application February 23, 1945, Serial No. 579,359
2 Claims. (Cl. 241—51)



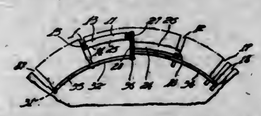
1. A mill of the character described; comprising a main housing, a shaft rotatably mounted in the side walls of the housing having mounted thereon and within the housing a grinding rotor, said shaft protruding a distance at each end, one end having driving means mounted thereon and the other end having longitudinally and circumferentially spaced crusher bars, a circular screen within the housing radially enclosing the grinding rotor, a ground feed outlet in the housing located radially outside of the screen, a feed inlet in the side wall of the housing adjacent said crusher bars and extending a distance up from near the bottom portion of the screen, a crusher chamber surrounding said feed inlet and crusher bars, having an inlet trough in one side and at the top thereof, transversely spaced inwardly and downwardly extending retarding blades positioned in the opposite side of said crusher chamber from said trough inlet, their free ends positioned between the paths of the ends of said crusher bars, the top of said crusher chamber being a greater distance from the path of the ends of said crusher bars than the side walls thereof, said rotor and crusher bars arranged to travel upward on the side adjacent said trough inlet, whereby said crusher bars will tend to force the roughage upwardly and rearwardly and on the top of said retarding blades.

2,424,317
DYNAMOELECTRIC MACHINE
Robert L. Jones, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1945, Serial No. 606,085
6 Claims. (Cl. 171—252)



1. A dynamo-electric machine having a stator member, a rotor member, a horizontal shaft on which the rotor member is mounted, a current-collecting device carried by the shaft at the front end of the rotor member, a front end-bracket assembly secured to the front end of the stator member and having a forwardly extending hood-seat encircling the front end of the machine in a plane below the plane of the shaft, a front shaft-supporting bearing carried by the front end of the hood-seat, a brush-rig assembly supported by the hood-seat, a lower front-end cover-portion carried by the hood-seat, and a hood-assembly hingedly carried by the front end-bracket assembly in a position to extend as a hood over the brush-rig assembly and to be seated, in its closed position, on the hood-seat, said hood-assembly being openable up away from the hood-seat to afford wide access to the brush-rig assembly

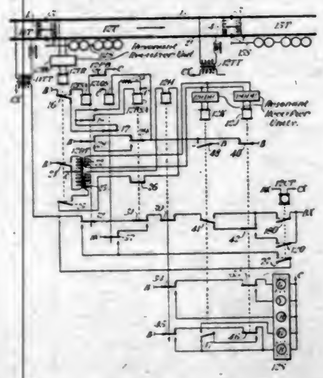
2,424,318
EQUALIZED SINGLE-PHASE TRACTION MOTOR
Herbert G. Jungk, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1944, Serial No. 567,225
10 Claims. (Cl. 171—206)



1. A dynamo-electric machine, comprising a stationary field-member and a rotor-member rotatably supported within the field-member, said rotor-member comprising a slotted armature-core, a multi-bar commutator disposed at the front end of the armature-core, armature-winding coils having coil-sides disposed in slots of said armature-core and having coil-ends extending to the rear, a resistance-lead connection extending from each commutator-bar to the rear, each resistance-lead connection comprising a portion made of a relatively high-resistance material disposed in a slot of the armature-core, each resistance-lead connection further comprising a double-throw double-layer end-winding terminal made of a relatively low-resistance material connected to the rear end of said portion of high-resistance material and fanning out in both directions around the rotor-member to two equipotential armature-winding coil-ends two pole-

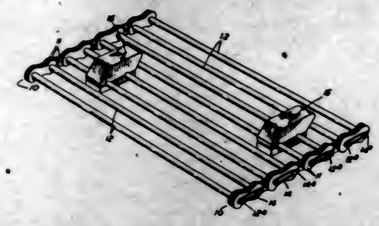
pitches apart, and a series of rear-end connectors, each connector joining two coil-ends of two different armature-winding coils and two oppositely fanning end-winding terminals coming in opposite directions from two different resistance-lead connections, whereby said double-throw end-winding terminals serve as equalizing cross-connections for the armature-winding.

2,424,319
RAILWAY TRACK INSULATION BREAK-DOWN SIGNALING SYSTEM
Ralph R. Kemmerer, Swissvale, and Arthur L. Jerome, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 7, 1944, Serial No. 557,630
9 Claims. (Cl. 246—34)



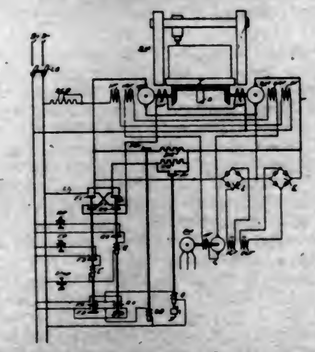
1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into a plurality of successive track sections including a forward and a rearward section, means for at times supplying energy of a first code frequency and at other times supplying energy of a second code frequency to the rails of said forward section, a code following track relay having a winding receiving energy over the rails of said forward section, a control relay having contacts movable between a first and a second position, means for supplying energy of said first code frequency to the rails of said rearward section when the contacts of said track relay are steadily released or the contacts of said control relay are in their second position, means responsive to operation of the track relay contacts following a period in which the track relay has not been responding to coded energy to establish a circuit including a first position contact of said control relay over which steady energy may be supplied to the rails of said rearward section, means responsive to code following operation of said track relay subsequent to establishment of said circuit over which steady energy may be supplied to the rails of said rearward section provided the contacts of said control relay are in their first position for interrupting the circuit over which steady energy may be supplied to the rails of said rearward section and for supplying energy of said second code frequency to the rails of said rearward section, means responsive to code following operation of said track relay for maintaining the contacts of said control relay in their first position provided they are in such position but ineffective to cause the contacts of said control relay to move from their second to their first position, means for moving the contacts of said control relay from their first to their second position when the contacts of said track relay remain continuously picked up for a predetermined time interval or are picked up for an abnormally large proportion of the time for a substantial interval, an auxiliary relay responsive only to operation of said track relay by energy of said second code frequency, and means governed by said auxiliary relay for causing the contacts of said control relay to occupy their first position.

2,424,320
CHAIN
Thomas Kilbourn, Leicester, England, assignor to Economic Stampings Limited, Leicester, England
Application July 6, 1945, Serial No. 603,525
In Great Britain August 17, 1944
6 Claims. (Cl. 66—156)



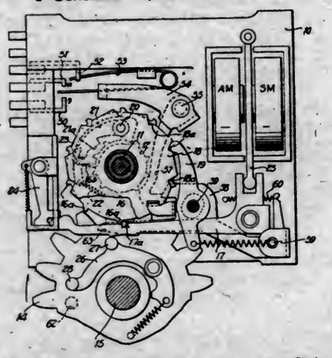
1. A timing or patterning chain of the type comprising a series of long parallel cross bars, for the reception of studs or cams, connected by links at each edge, comprising two selvedge chains connected and spaced by the cross bars, each of which selvedge chains consists of interchangeable and removable links, each having two spaced pivot holes, arranged in succession with overlapping ends whereat the pivot holes register, reduced ends on the cross bars transfixing said registering ends as hinge pins, and readily-releasable fasteners retaining the links on the hinge pins.

2,424,321
TORQUE CONTROL FOR PAIRED ELECTRIC MOTORS
George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,833
5 Claims. (Cl. 172—239)



1. In a variable voltage drive for a pair of motors having their rotors mechanically interconnected, each motor having armature windings and field windings, the combination of, circuit means connecting the armature windings in series circuit relation, means for reversibly energizing the armature windings, circuit means connecting a portion of the field windings of each of said motors in series circuit relation, means for energizing said field winding portions, circuit means connecting a second portion of the field windings of each of said motors in series circuit relation, a pair of bridge rectifiers, one for each motor, circuit means connecting one of said bridge rectifiers with one of said motors to be energized in dependence of the armature terminal voltage of said one motor, circuit means connecting the other of said bridge rectifiers with the other of said motors to be energized in dependence of the armature terminal voltage of said other motor, means for differentially comparing the electrical outputs of said bridge rectifiers and producing a resulting electrical quantity representative of the difference of said electrical outputs, and means for energizing said second series connected portion of said motor field windings according to the resulting electrical quantity.

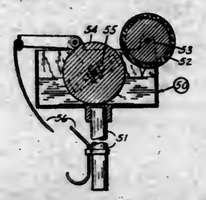
2,424,322
ENTRY RETAINING DEVICE FOR TOTALIZERS
Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 25, 1945, Serial No. 601,421
6 Claims. (Cl. 235—61.6)



5. An adding wheel for an accumulator comprising a ring of ten elements each having a set and a non-set position, and interlocked so that only one element may be in set position at any one time, resilient means for holding all other elements in an unset position and urging the set element toward unset position, a member for effecting a setting of the element in a predetermined position with respect to the axis of the wheel to establish a reset condition thereof, the setting of such element enabling the resilient means to move the previously set element to unset position, means for rotating the wheel to enter digital values therein, the extent of movement being measurable by the advance of the set element from said predetermined position, subsequent operation of said member establishing a new reset condition of the wheel by setting whichever element occupies said predetermined position.

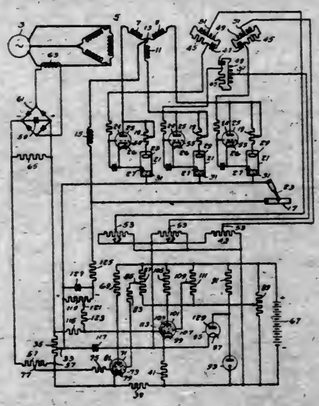
6. A readout device for an order of an accumulator comprising a set of circumferentially spaced contact segments, one for each of the digits, an adding wheel concentric therewith, a contact ring eccentrically positionable on said wheel and rotatable therewith to tangentially contact said ring of segments, whereby as the adding wheel rotates said contact ring will successively engage the segments, means for engaging the ring at a fixed point with respect to the axis of the wheel to shift the ring across the face of the wheel, and guide means effective upon said shifting to guide the movement of the ring so that its center lies in a common line through the center of the wheel and said fixed point and contacts the ring of segments at a point on said common line.

2,424,323
ROLLER PAINT-COATING DEVICE
James H. Millholland, Philadelphia, Pa.
Application August 29, 1944, Serial No. 551,644
2 Claims. (Cl. 91—50)



2. A roller paint-coating device having means for applying a rollered stroke of thinner application at its side edges relative to a heavier mid-width application, said means comprising a manipulatable carrier for a supply of coating material having a material applying roller spaced from said coating material, and a cooperating narrower feed roller having means for manually moving it from normal rest in said coating material to intermittent rolling engagement with a mid-width portion of said applying roller so as to directly feed said coating material to said mid-width portion only of said applying roller.

2,424,324
ARC WELDER
Slavo J. Murcek, Duquesne, and Robert W. Price, Murrysville, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 7, 1944, Serial No. 517,308
23 Claims. (Cl. 315—137)



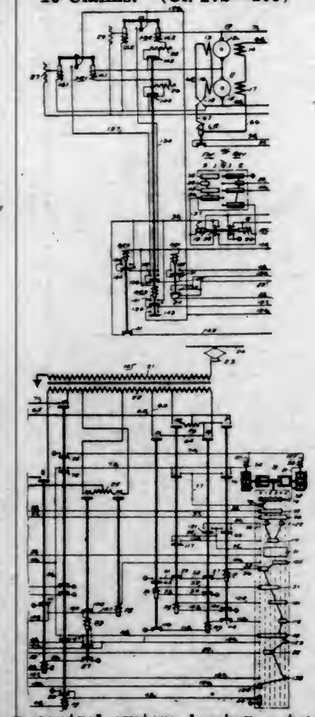
1. A control system for use in supplying current from a source to a variable impedance load

connected to said source, comprising electric valve means interposed between said source and load to control the flow of current through said load, means for developing a voltage which varies with the load current, and control means responsive to said voltage for controlling said valve means in accordance therewith to maintain said load current substantially constant while the impedance of said load is varied.

2,424,325
SOLUBLE AMIDINE SALTS
George Newbery, Brentwood, and Alexander Peter Tawse Easson, Hornchurch, England, assignors to May & Baker Limited, Dagenham, Essex, England, a British company
No Drawing. Original application April 11, 1942, Serial No. 438,612. Divided and this application May 11, 1945, Serial No. 593,325. In Canada April 7, 1942.
5 Claims. (Cl. 260—501)

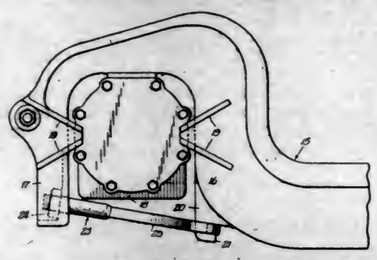
5. A member of the group consisting of 4:4'-diamidino - alpha,gamma-diphenoxypropane-di-beta-hydroxy-ethane-sulphonate and 4:4'-diamidino - alpha,epsilon-diphenoxypentane-di-beta-hydroxy-ethane-sulphonate.

2,424,326
DOUBLY-FED REPULSION MOTOR CONTROL SYSTEM
Simeon E. Newhouse, Edgewood, and William H. Eunson, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1945, Serial No. 602,872
10 Claims. (Cl. 172—179)



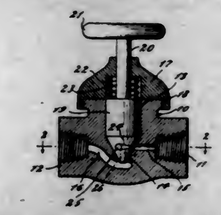
1. In a control system having a transformer for supplying current to a doubly-fed repulsion starting motor, in combination, switching means for establishing the repulsion connections, additional switching means for establishing the doubly-fed connections, and relay means responsive to different speeds of the motor for selectively controlling the operation of said switching means in accordance with the motor speed when power is reapplied to the motor.

2,424,327
PEDESTAL SAFETY TIE MEANS
Karl F. Nystrom, Nashotah, and Vernon L. Green, Milwaukee, Wis.
Application April 26, 1945, Serial No. 590,488
3 Claims. (Cl. 105—221)



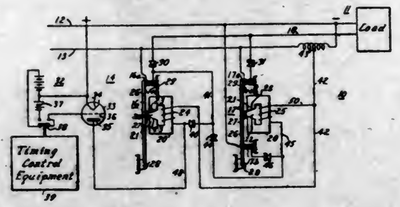
1. The combination of a car truck side frame member having upwardly and downwardly curving portions at the ends formed to provide downwardly disposed journal bearing housing receiving portions, while the main body portion of the frame member extends into a horizontal plane beneath the plane of the lower ends of the bearing housing receiving portions, the inner bearing housing receiving portion at its lower end being formed to provide a laterally disposed lip, while the outer bearing housing receiving portion above its lower end is provided with a recess and an opening through the vertical wall; a tie member spread at one end and provided with an opening adapted to receive said lip and to straddle the lower end of the inner portion while the other end is adapted to pass through said opening and into the recess of said outer bearing housing receiving portion; and means cooperating with said last mentioned end and seatable in said recess for holding the tie member against longitudinal movement.

2,424,328
VALVE
Frank L. Pars, Brooklyn, N. Y.
Application September 7, 1944, Serial No. 553,087
1 Claim. (Cl. 251—92)



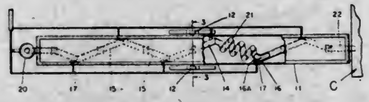
A valve comprising a housing having a recess with a cylindrical side wall and a conical surface tapering away from said cylindrical wall, an inlet duct opening on said conical surface and an outlet duct leading from its apex, a plug rotatable in said recess and having a cylindrical guide surface fitting the cylindrical surface of said recess and a conical surface complementary to the conical surface of said recess and in fluid-tight contact therewith, said plug having a groove in its conical surface movable into and out of registry with said inlet duct as said plug is rotated, said groove being constructed and arranged to variably throttle the inlet duct on rotation of said plug and a passage leading from said groove to said outlet duct, a bonnet covering said recess and plug, a stem extending from said plug through said bonnet and resilient means between said bonnet and said plug pressing on said plug to hold the conical surface of said plug in tight contact with the conical surface of said recess.

2,424,329
ARC PREVENTION FOR CONTROL SYSTEMS
Gaylord W. Penney, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1943, Serial No. 496,605
11 Claims. (Cl. 175—294)



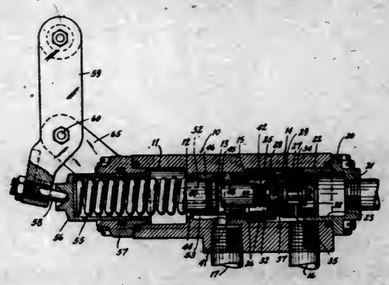
1. A control system for a load circuit disposed to be energized from an alternating current source comprising, a pair of contact means connected in parallel circuit relation and in series circuit relation with the load circuit and the source, rectifier means connected in series circuit relation with each of the contact means and in opposite senses, control means effecting closure of one of the contact means during a half cycle when its rectifier means blocks the flow of load current, circuit means maintaining said one contact means closed during the next half cycle, additional circuit means for effecting closure of the other contact means while said one contact means carried the load current, and circuit means dependent on the closure of said one contact means effective to maintain said other contact means in the closed position.

2,424,330
FURNACE
Elmer E. Robertson, Harbor City, Calif.
Application February 1, 1946, Serial No. 644,837
6 Claims. (Cl. 263—21)



6. In a furnace for heating an intumescing granular material held in suspension in combustion gases, a substantially horizontally disposed zigzag tubular conduit comprising segments of tubing joined together at their ends at obtuse angles, adapted to carry a stream of heated gases with suspended mineral particles from a feed end to a delivery end; burner means directed into said conduit at two or more of the angles thereof; means for feeding granular material into the feed end of said furnace; a helical coiled tubing forming one segment of said conduit, said coiled tubing being adapted to segregate unexpanded and heavy particles of mineral from the fully expanded particles; and means to vary the general slope of said furnace.

2,424,331
BRAKE VALVE
Howard E. Rose, Normandy, Mo., assignor to Alco Valve Company, University City, Mo., a corporation of Missouri
Application September 20, 1943, Serial No. 503,055
13 Claims. (Cl. 303—54)

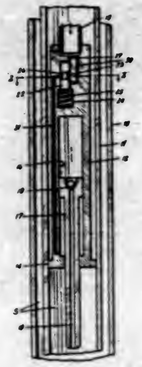


1. In a mechanism of the kind described, a housing, a high pressure inlet adapted to receive fluid under pressure, a working outlet, and a valve mechanism between said inlet and outlet, said valve mechanism including a valve and a seat portion movable relatively to each other, and both movable in the housing, means on the valve seat portion providing a fluid pressure-receiving surface, exposed to pressure in the pressure inlet, whereby said valve seat mechanism is held against movement in the housing, and means to displace the valve from the seat when the latter is held against movement by fluid pressure, acting on said surface.

2,424,332
PUMP CONSTRUCTION
Howard E. Rose, Peninsula, Ohio, assignor to Alco Valve Company, University City, Mo., a corporation of Missouri
Application February 26, 1944, Serial No. 523,982
10 Claims. (Cl. 103—46)

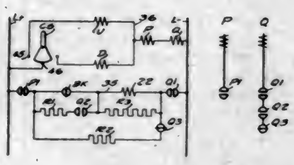
1. In a pumping mechanism adapted to be disposed at the supply of liquid to be pumped, and for use with a conduit for receiving the liquid that is pumped and maintaining the same separate from the supply of liquid, a pump housing, an outlet from the housing for communication into the conduit, plunger means in the housing adapted to be operated in one direction to expel liquid received from the supply into said outlet, an inlet leading into said pump housing and adapted to receive fluid under intermittent relatively high and relatively low pressures, valve means in said pump housing, means connecting the valve means with the inlet to receive the pressures thereof, said valve means being adapted to be operated from a first to a second position when the pressure in said pipe increases from low to high value, and to return to first position when the pressure decreases from high to low value, port means connected when said valve is in second position to admit said fluid at high pres-

sure to operate the piston means in one direction to expel liquid into the outlet, and said valve



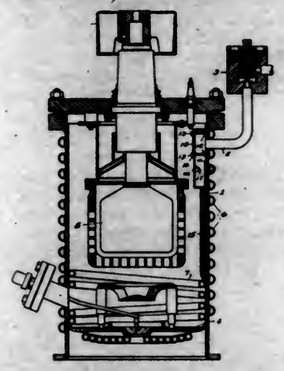
means in its first position being adapted to exhaust said fluid to permit the piston means to operate in its other direction.

2,424,333
ELECTROMAGNETIC BRAKE CONTROL SYSTEM
Danilo Santini, Tenafly, and Arvid Nelson, Hillsdale, N. J., assignors, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1942, Serial No. 468,456
3 Claims. (Cl. 188—172)



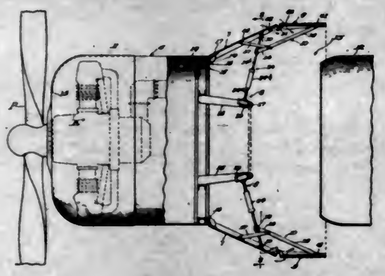
1. In a brake mechanism, a brake, biasing means for applying the brake, a brake coil for releasing the brake, a circuit for the brake coil, control means for closing and opening the circuit to energize and deenergize the brake coil, a series resistor and a low discharge resistor associated with the circuit, a high discharge resistor permanently connected in a circulatory circuit with the brake coil, means responsive to a closing operation of the control means for preparing the series resistor for inclusion in series with the brake coil and for disconnecting the low discharge resistor from the brake coil and responsive to an opening operation of the control means for disconnecting the series resistor from the brake coil circuit and for preparing the low discharge resistor for inclusion in a circulatory circuit with the brake coil, and a single switch responsive to a predetermined movement of the brake, after the brake coil is energized, for completing the insertion of the series resistor in series with the brake coil and responsive to a predetermined movement of the brake after the circuit is opened for completing the inclusion of the low discharge resistor in circulatory circuit with the brake coil to soften the application of the brake.

2,424,334
BAFFLE
William Schneider and Charles R. Marcum, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1944, Serial No. 551,208
2 Claims. (Cl. 250—27.5)



1. A vapor electric device having a substantially closed container, an anode and a mercury pool cathode therein, a pumping connection to said container and means for preventing splashing of mercury returning through said pumping connection comprising a box secured in position to receive any mercury entering through said pumping connection, a passage extending from said box into the vicinity of said cathode, a window to permit gas to pass through said box to said pumping connection and baffle means interposed between said window and said pumping connection for restraining the splashing of mercury through said window.

2,424,335
COWLING FOR AIRCRAFT ENGINES
Harper D. Scrymgeour, Coronado, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application June 2, 1945, Serial No. 597,262
6 Claims. (Cl. 123—171)



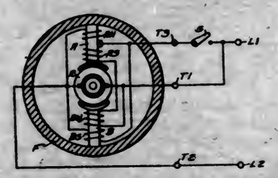
1. An airplane nacelle structure adapted to house an engine for the airplane and comprising an elongated shell positioned lengthwise of the airplane, having the front end thereof extending around the engine and provided with an inlet opening for engine cooling air, and embodying rearwards of the engine an outlet opening for the engine cooling air, a series of main cowl flaps associated with, and adapted to control the flow of air through the outlet opening and having the leading portions thereof hinged so as to be capable of swinging inwards and outwards between open and closed positions, a series of auxiliary cowl flaps projecting rearwardly from, and hinged to the trailing portions of, the main cowl flaps, and means for maintaining said auxiliary cowl flaps at substantially a constant angle with respect to the longitudinal axis of the shell regardless of the position of the main cowl flaps.

2,424,336
APPARATUS FOR VAPORIZING SULFUR
August T. Sieron, Chicago, Ill., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,377
1 Claim. (Cl. 23—278)



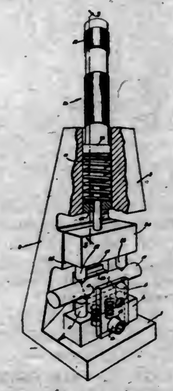
In a horizontal rotary sulfur vaporizer, the improvements which comprise a plurality of circumferentially spaced angular members disposed on the inner circumference of the vaporizer and extending substantially the entire length of said vaporizer, baffles within said angular members forming in conjunction with said members a plurality of elongated traps, each angular member being so disposed that the leg thereof adjacent the circumference of the vaporizer forms an appreciable angle with a radial line drawn to the point of contact of said leg with said circumference, whereby when the downwardly advancing lip of an angular member contacts a chord, drawn perpendicular to a diameter at a point about one third of the distance on said diameter from the nearest point of contact thereof with the inner circumference, the lip-bearing leg of said angular member is at approximately right angles to said chord; and the said baffles within an angular member being disposed so that when the upwardly advancing lip of such angular member contacts a chord as described above, the edges of such baffles substantially coincide with such chord.

2,424,337
REVERSIBLE ELECTRIC MOTOR
Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1944, Serial No. 567,257
3 Claims. (Cl. 172—239)



1. A reversible electric drive comprising a direct-current motor having an armature and two magnetic pole structures, two leads connected to said armature for supplying current thereto, two field windings of opposite polarity disposed on each of said structures, three of said windings being connected in series relation to one another across said two leads, said remaining winding being connected in parallel to one of said three windings, a single-pole make and break switch connected in parallel to the series connection of the remaining two of said three windings for selectively opening and closing a short-circuit across said latter two windings, and said two windings on each of said structures having different ratings so that the effective polarity of each structure is reversed by actuating said switch.

2,424,338
MATERIALS SPECIMEN MARKING DEVICE
Alfred Sonntag, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application October 26, 1943. Serial No. 507,761
8 Claims. (Cl. 33—189)

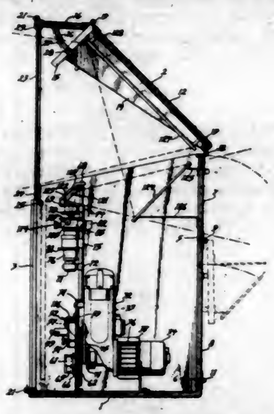


3. A specimen gauge marking device comprising, in combination, a pair of upper center-punches spaced apart in accordance with the desired gauge length to be marked on the specimen, a pair of lower center-punches respectively positioned in alignment with said upper punches and acting in opposition thereto, whereby a specimen placed between the upper and lower pairs of punches may be marked on opposite sides in accordance with the desired gauge length, a frame, means supported by said frame for commonly movably supporting one of said pairs of center-punches so that these latter center-punches are movable simultaneously with each other, and means also supported by said frame for movably supporting the other pair of center punches so that a substantially uniform contact may be made between all of said punches and the specimen, whereby a hammer blow imparted to one of said common supporting members will cause all of the punches to mark a specimen substantially simultaneously and uniformly.

2,424,339
PICTURE PROJECTING APPARATUS AND PROJECTION SYSTEM THEREFOR
Bruno Stechbart, Park Ridge, and Paul C. Foote, Chicago, Ill., assignors to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1944, Serial No. 533,460
6 Claims. (Cl. 88—24)

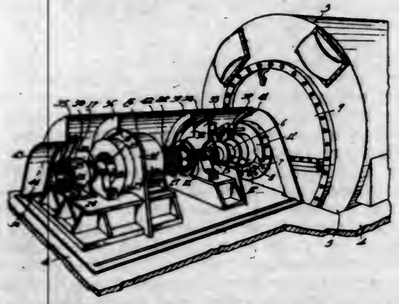
1. In a projection system, the combination with a picture bearing element positioning means, of a light transmitting sighting element spaced

along the optical axis of the system from a picture bearing element positioned by said positioning means, a relay projection lens system comprising an objective lens and an erector lens spaced along said axis and having said sighting element disposed therebetween and said erector lens being disposed between said picture bearing and sight-



ing elements and having conjugate foci thereof respectively thereat to form an image of said picture bearing element at said sighting element and said objective lens being operative to project a composite image of said picture bearing and sighting elements, and adjustable mounting means carrying said sighting element for adjustment transversely of said axis.

2,424,340
ROLLAWAY COVER FOR GENERATOR AUXILIARIES
Charles C. Sterrett, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,946
2 Claims. (Cl. 171—252)

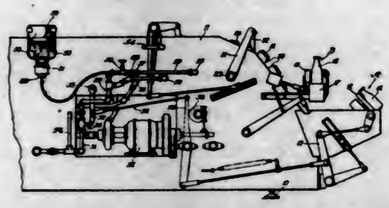


1. A dynamo-electric machine having a main stator-member having an endbell, and a rotor-member having a horizontally disposed rotatable shaft, said endbell comprising a bulkhead surrounding said shaft, and said shaft having a shaft-end extending through the endbell, said machine having shaft-end equipment associated with the extending end of the shaft, and an axially removable equipment-housing for said shaft-end equipment, means for mounting said main stator-member on a foundation, said foundation including a floor and a pit, and a portion of said main stator-member extending down below floor-level in said pit, said equipment-housing having side-members and an end-member extending down substantially to floor-level, and wheel-mounting means for so mounting said equipment-housing that it is movable in an axial direction away from said stator-endbell, said wheel-mounting means comprising retractable wheels, and wheel-shifting means whereby said wheels may be either retracted up into the housing or depressed so as to elevate the housing slightly from floor-level, said housing having packing-means for making fairly tight contacts with the floor and the endbell-bulkhead, respectively, when said housing is in place in covering relation to said shaft-end equipment.

2,424,341
TETRABUTYRYL RIBONIC ACID
Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 26, 1945, Serial No. 607,262
1 Claim. (Cl. 260—488)

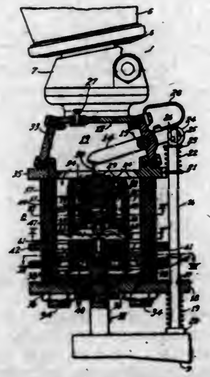
Tetrabutyryl ribonic acid.

2,424,342
STERILIZER FOR RECEPTACLE WASHERS
Carl L. Trier and James H. Livingston, 3d, Baltimore, Md., assignors to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Original application May 16, 1940, Serial No. 335,546. Divided and this application June 12, 1942, Serial No. 446,718
4 Claims. (Cl. 21—80)



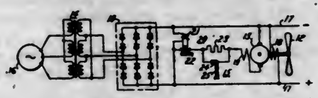
1. A device of the type described, comprising, in combination, a conduit, a source of liquid under pressure, valve means for admitting liquid from said source into said conduit, a discharge opening in said conduct at a bottle rinsing position, said opening being directed to an adjacent bottle support of an intermittently movable conveyor of said bottle washing machine during a period of dwell of said conveyor, means for imparting a step-by-step motion to said conveyor with periods of dwell between successive steps, means for intermittently opening and closing said valve during periods of dwell of said conveyor, injector means communicating with said conduit intermediate said valve and said discharge opening for automatically injecting a chlorinating fluid into said conduit at the time of and in proportion to the quantity of liquid flowing therethrough, said injector means being so constructed and arranged that the flow of liquid through said conduit will induce a proportionate flow of chlorinating fluid through said injector means, a supply receptacle for chlorinating fluid, chlorinating fluid conducting means between said receptacle and said injector means, adjustable flow restricting means in said chlorinating fluid conducting means, and adjustable means for automatically maintaining a supply of chlorinating fluid in said supply receptacle at the level of the discharge opening in said conduit, whereby the flow of chlorinating fluid into said conduit will occur only while liquid is flowing through said conduit.

2,424,343
CIRCUIT INTERRUPTER
Roswell C. Van Sickle, Wilkinsburg, and Robert E. Friedrich and Francis J. Fry, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,624
10 Claims. (Cl. 200—150)



3. In a circuit interrupter, a first contact cooperable with a second contact to establish a first arc, a third contact cooperable with the first contact to establish a second arc, a piston substantially surrounding the first contact but separately movable therefrom and operable to simultaneously send fluid toward both arcs, the piston being charged by abutting engagement with the second contact.

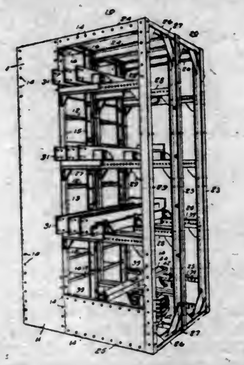
2,424,344
SELF-COOLED RECTIFIER
Cyril G. Veinott, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,640
16 Claims. (Cl. 175—363)



1. In combination, a rectifier device of the contact type, a fan adjacent said rectifier device for producing a flow of cooling air through the rectifier device, and an electric motor for driving said fan, said electric motor being of a type in which a substantial change of speed occurs when the load on the motor changes.

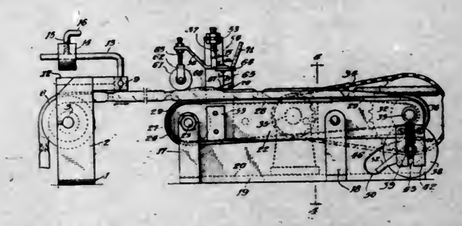
2,424,345
SWITCHGEAR
Charles P. West, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 30, 1944, Serial No. 538,076
10 Claims. (Cl. 175—298)

1. A switchboard structure comprising, a plurality of switch compartments disposed between a pair of vertical side plates and a bus compartment at the rear of the switch compartments, said bus compartment being formed by a pair of vertical frame members spaced from each other and from the rear of the side plates, horizontal frame members for connecting the vertical frame members to the side plates, additional horizontal



frame members for connecting the vertical frame members together, horizontally disposed bus supports adjustably attached to the vertical frame members and the side plates, supports for vertically disposed power conductors secured to said bus supports, and cover plates removably attached to said frame members.

2,424,346
STRIPPING CASINGS FROM SAUSAGES
Kenneth Wilcoxon, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application April 5, 1940, Serial No. 328,039
24 Claims. (Cl. 17—1)

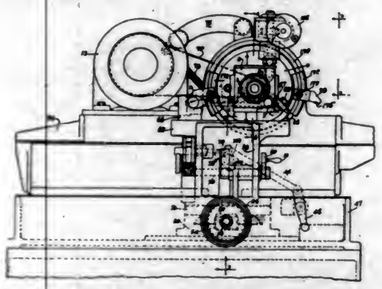


1. The method of removing foreign casings from sausages such as frankfurters which comprises separating the foreign casing from the sausage itself by means of a fluid blast, and cutting the separated casing by following the fluid blast with a knife.

2,424,347
MACHINE TOOL FOR CUTTING SURFACES OF IRREGULAR SHAPE
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application January 15, 1944, Serial No. 518,310
3 Claims. (Cl. 51—32)

3. In an apparatus for consecutively machining straight and curved surfaces of a workpiece, a base, a housing translatable on said base in a first direction, a barrel journaled in said base for rotation about a first axis normal to said direc-

tion, a block, a tool support in said block, said support having an axis parallel to said first axis, means mounting said block for radial movement in and relatively to said barrel to vary the separation of said axes, first means to translate said housing, barrel, block and support as a unit to a



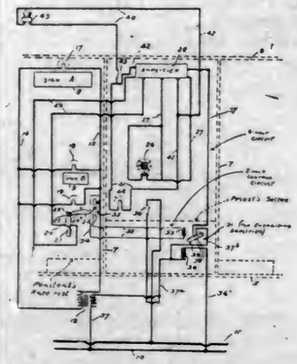
predetermined point, means stopping translation of said housing at said point, said first means thereafter rotating said barrel to move said carrier an arc of radius determined by the separation of said axes, and means for holding a workpiece in position to be operated upon by a tool in said support.

2,424,348

HEARING AID EQUIPMENT FOR CONFESSIONALS

Nicholas V. Casson, New York, N. Y.

Application October 17, 1945, Serial No. 622,734
1 Claim. (Cl. 179—1)



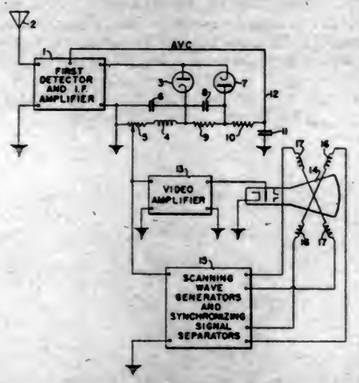
In apparatus of the kind described and including a confessional having a priest's cubicle and a penitent's cubicle and with a telephone transmitter in the priest's cubicle and a telephone receiver in the pentitent's cubicle and with means manually operable from within the penitent's cubicle to close a normally open gap in a communication circuit including said transmitter and receiver, the combination of a signal, a circuit other than the communication circuit in which said signal is interposed, and means for actuating said signal when said gap is closed, the last-named means including a control circuit for the second-mentioned circuit and also including a transformer relay partially interposed in the control circuit and partially interposed in said second-mentioned circuit.

2,424,349

NOISE LIMITER AND AUTOMATIC VOLUME CONTROL FOR TELEVISION RECEIVERS

Madison Cawein, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application February 15, 1943, Serial No. 475,873
4 Claims. (Cl. 178—7.5)



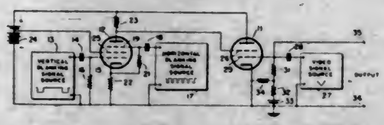
1. In a television receiver, means for receiving a carrier wave variably modulated between minimum and intermediate intensities to represent intelligence signals and invariably modulated periodically to maximum intensity to represent synchronizing signals, said carrier wave at times having superimposed thereon interference effects exceeding said maximum intensity, a load impedance, means for developing in said impedance a unidirectional voltage of one polarity varying in intensity proportional to the intensity of said carrier wave, and means variably responsive as a function of said maximum carrier wave intensity for developing in said impedance a unidirectional voltage of opposite polarity coincident with the occurrence of and proportional to the excess intensity of said carrier wave over said maximum intensity, whereby to nullify the effect of said interference in said load impedance.

2,424,350

VIDEO AND SYNCHRONIZING SIGNAL COMBINING AMPLIFIER

Madison Cawein, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application February 5, 1944, Serial No. 521,231
14 Claims. (Cl. 178—7.1)



1. A signal combining amplifier comprising, a vacuum tube having a grid electrode and an auxiliary impedance controlling electrode, means coupled to said grid electrode for effecting normally a flow of current to said grid electrode, means coupled to said auxiliary electrode and responsive to a first type of signals for modifying said current flow to effect the development at said grid electrode of a voltage representative of said first type of signals, and means coupled to said grid electrode for impressing a second type of signals upon said grid electrode.

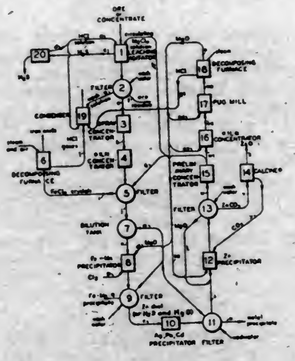
5. A television signal combining amplifier comprising, a vacuum tube having a control grid, a screen grid and a cathode, a source of video signals coupled to said control grid, means to effect normally a flow of current to said control grid, means for impressing upon said screen grid a varying voltage representative of blanking signals, whereby to interrupt intermittently the flow of current to said control grid and to modify the impedance within said tube between the control grid and cathode thereof suitably to suppress the video signals, and an output circuit for said amplifier for the development of a composite television signal.

2,424,351

PROCESS FOR THE TREATMENT OF MARMATITIC ZINC ORES WITH HCl

Niels C. Christensen, Salt Lake City, Utah, assignor to Combined Metals Reduction Company, Salt Lake City, Utah, a corporation of Utah

Application May 1, 1944, Serial No. 533,632
14 Claims. (Cl. 23—147)



1. The process of treating marmatitic zinc ores and concentrates containing sulphides of manganese and other metals which consists in leaching said ores and concentrates with HCl in a hot relatively concentrated $MgCl_2$ solution to dissolve the soluble sulphide minerals and drive off the sulphur as H_2S, separating the hot pregnant solution from the leached ore residue, heating and concentrating the pregnant solution to precipitate iron therefrom as ferrous chloride crystals, separating said crystals from the concentrated solution and heating said crystals with steam and air to decompose said crystals and form iron oxide and HCl and using said HCl to leach more ore and concentrate, diluting the concentrated solution separated from said ferrous chloride crystals and precipitating the residual iron and the manganese and other metals below zinc in the electromotive series with the aid of MgO to form $MgCl_2$ in solution, treating the solution from said last precipitation with MgO and CO_2 thereby precipitating the zinc therefrom as $ZnCO_3$, separating the $MgCl_2$ solution from the $ZnCO_3$ precipitate and concentrating said $MgCl_2$ solution and using part of said solution for leaching more ore and concentrate, concentrating the remainder of said solution to form a very concentrated $MgCl_2$ solution and mixing MgO with said last solution to form a solid $MgCl_2$—MgO product, heating said $MgCl_2$—MgO product with steam to decompose the $MgCl_2$ and form MgO and HCl, using said HCl for leaching more ore and concentrate and using said MgO for precipitating more zinc and other metals from solution, and for making more solid $MgCl_2$—MgO product.

2,424,352

FACE PROTECTOR SHIELD FOR SHAMPOOING

Frank J. Conjurske, Sturgeon Bay, Wis.

Application September 10, 1945, Serial No. 615,287
1 Claim. (Cl. 2—174)



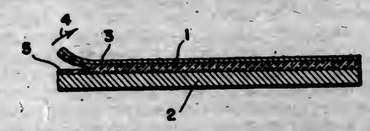
A shield of the character described comprising a metallic section of a bowed hollow strip having lips extending outwardly therefrom, a shade fitted between the lips, spring straps adjustably fitted into the ends of the hollow strip the ends of said hollow strip being compressed to frictionally hold the spring straps in their adjusted position, ear cup-pads mounted at the free ends of the straps, and a soft forehead band secured to the inner faces of the bowed strip, the band having a downwardly pointed nose rest depending therefrom, whereby the shield is yieldingly supported by the forehead and nose of the wearer.

2,424,353

METHOD OF FORMING GLASS FILM ON METAL

Sanford F. Essig, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application October 14, 1944, Serial No. 558,689
11 Claims. (Cl. 117—10)



1. The method of forming a glass film on a metallic member having a plane surface which comprises the steps of applying glass to the plane surface of said member, covering said glass with a metallic foil, heating said member, glass and foil until said glass is in its plastic state, pressing said foil and said member against each other until said glass fills the space between said member and said foil in a layer of substantially uniform thickness, and removing said foil thereby to provide a glass film on said member.

2,424,354

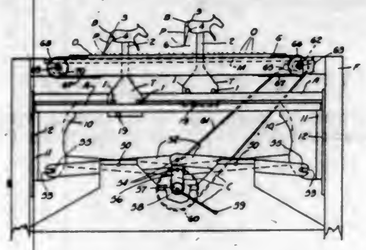
AMUSEMENT DEVICE

William C. Ford, Andover, Mass.

Application February 15, 1946, Serial No. 647,782
6 Claims. (Cl. 46—122)

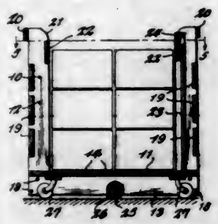
1. In an amusement device, the combination of a truck track; with a body carried by said truck track above a smooth track; obstructions spaced along the smooth track; a propelling member so pivoted to the body that its free end is back of the pivot and proximate the smooth track; the pivot of the propelling member being so supported that it can be moved up and down to cause the

free end of the propelling member to engage and slip on the smooth track and to engage an ob-



struction, if one is within its path of slipping, and to then move the pivot and body forward on the truck track.

2,424,355
STORE SERVICE RACK
Sylvan N. Goldman, Oklahoma City, Okla.
Application September 22, 1944, Serial No. 555,283
5 Claims. (Cl. 211—1)



3. A store service rack comprising a platform, said platform including side stringers, an upright riser connected to each side stringer at each end thereof, the risers at each end having transverse connecting panels located intermediate the height of the risers and flush with the outer vertical edges of the risers, a hand rail connecting respective risers and positioned adjacent the upper ends thereof, a shelf rest connecting each pair of risers at the longitudinal edge opposite that upon which said connecting panels are secured, defining an upwardly opening compartment, a portable shelf disposed within one compartment, removable to extend and rest upon said shelf rests.

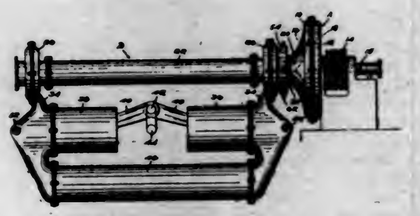
2,424,356
CLOSURE FOR NONREFILLABLE CONTAINERS
Alberto Reguero González, Habana, Cuba, assignor of eighty per cent to Florencio Sierra More, Habana, Cuba
Application November 1, 1945, Serial No. 625,998
In Cuba October 9, 1945
2 Claims. (Cl. 215—25)

1. A closure for non-refillable containers, comprising a hollow cylindrical body of inverted cup shape provided with a top central opening and having arranged therein and formed therewith a perforated disc, said cylindrical hollow body carrying at its lower end an outer annular flange, a partially hollow cylindrical body arranged within said hollow body and provided at its upper solid middle portion with a vertical central square perforation and at the lower face of its upper solid portion with two opposed pins and two opposed angular conduits and in communication with said central square perforation, said partially hollow cylindrical body being also provided at the end of its lower hollow portion with an outer annular flange on which normally rests the outer flange of said hollow cylindrical body, a solid cylindrical body inserted in the lower hollow portion of said partially hollow body and having two opposed vertical perforations and two opposed pins at its top face, said solid cylindrical body being provided at its peripherial middle portion with an outer annular flange having two



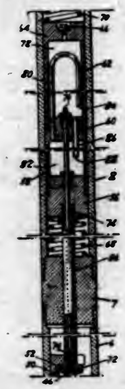
pins at its upper edge, a solid square stem partly inserted loosely in the central perforation of said partially hollow cylindrical body and being provided with transverse perforations one of them adapted to register with the angular conduits of said partially hollow body, in the inverted position of the container, in which the other transverse perforation of said stem is above the partially hollow cylindrical body said square stem having its lower end fixedly secured to the middle portion of a disc provided with opposed vertical holes, and means for securing the closure exteriorly on the container neck.

2,424,357
METHOD OF AND APPARATUS FOR MODULATING THE FREQUENCY OF SOUND WAVES
Caperton B. Horsley, Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass., a corporation of Massachusetts
Application December 19, 1945, Serial No. 636,038
21 Claims. (Cl. 116—137)



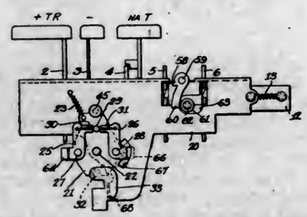
8. A method of modulating the frequency of vibrations, which consists in impinging vibrations on one end of a column of gaseous fluid, moving said fluid alternately in opposite directions longitudinally of the column by alternately forcing fluid into and extracting it from longitudinally spaced portions of the column while transmitting said vibrations longitudinally therethrough and receiving the same at the other end of the column, and varying the modulating range by varying the amount of fluid forced into and extracted from the column.

2,424,358
WELL SURVEYING DEVICE
Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application July 22, 1943, Serial No. 495,709
4 Claims. (Cl. 200—33)



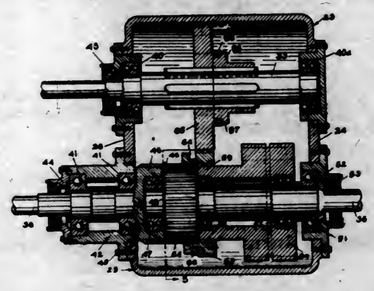
1. An electrical timing means comprising a plurality of superposed chambers, the upper chamber having a closed upper end, means for controlling flow of electrically conductive liquid from the upper chamber into the lower chamber, electrode means in the upper chamber arranged to be uncovered by the liquid upon flow therefrom, and a passage venting the lower chamber to a fixed level in the upper chamber below the level of liquid therein during a major portion of the timing operation, the passage between said chambers consisting solely of said flow controlling means and said venting passage.

2,424,359
ADDING MACHINE
Gustaf Liljeström and Ove Klingström, Gothenburg, Sweden
Application April 12, 1944, Serial No. 530,640
In Sweden March 29, 1943
9 Claims. (Cl. 235—60)



1. In a machine of the class specified, the combination of a power driven shaft, a pin carriage, numeral keys to set up numbers on said carriage and advance it step by step from its normal position, operating keys adapted to initiate their normal functions with the pin carriage in the off-normal positions, other operating keys the depression of which should be preceded by an extra cycle of the power shaft, a catch member selectively settable to engagement with said other operating keys under the control of said first-mentioned operating keys with the pin carriage in its normal position, and means operable by the power shaft and adapted in the course of a cycle initiated by any of said first-mentioned operating keys with the pin carriage in its normal position to cause said catch member to depress a corresponding one of said other operating keys for initiating a succeeding cycle.

2,424,360
AUTOMOTIVE POWER TAKE-OFF
Desiax B. Martin, Des Moines, Iowa
Application May 29, 1944, Serial No. 537,845
4 Claims. (Cl. 74—11)

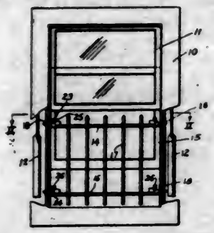


1. A power transmission device for a motor vehicle to drive a plurality of operating units on said vehicle from the vehicle engine comprising a drive shaft operatively connected with the engine, a driven shaft in coaxial alignment with said drive shaft and operatively connected with the wheels of said vehicle, a bearing at the forward end of said driven shaft for rotatably supporting the rear end of said drive shaft, a first clutch member on said driven shaft, a second clutch member on said drive shaft, and a third clutch member rotatable on said drive shaft, said three clutch members having external splined portions and being arranged adjacent to each other with said second clutch member intermediate said first clutch member and said third clutch member, a fourth clutch member having an external gear portion, and an internal splined portion axially movable on said three clutch members to selected positions, with said internal splined portion having an axial width substantially equal to the axial width of said second clutch member, a counter-shaft operatively connected with one of said operating units, a gear axially movable on said counter-shaft into and out of meshing engagement with the external gear portion on said fourth clutch member, a second counter-shaft operatively connected with a second one of said operating units, means connecting said second counter-shaft for rotation with said third clutch member, and means for selectively moving said fourth clutch member and said gear to provide for only the operation of said vehicle wheels, a concurrent operation of said one and second operating units, or an individual operation of said one and second operating units.

2,424,361
WINDOW GUARD FASTENER
David McDonald, Birmingham, Ala.
Application February 5, 1945, Serial No. 576,272
2 Claims. (Cl. 189—84)

1. A fastener for securing a flat ended horizontal bar of a window guard to a window frame comprising a hook on one end to engage the window frame and a body adapted to be secured to the horizontal bar, a flange turned up from the body along one side and a second flange

turned down along the same side of the body, said flanges being disposed to engage the edge



of the bar and hold it against angular movement with respect to the fastener on whichever side of the body the bar is secured.

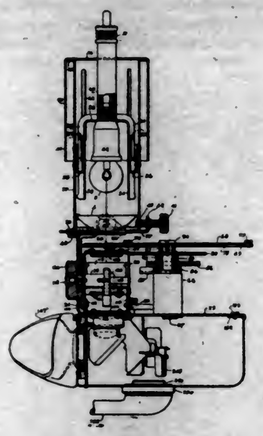
2,424,362
ANIMAL TRAP
George G. Meyer, Potrero, Calif.
Application August 30, 1943, Serial No. 500,462
10 Claims. (Cl. 43—70)



1. In an animal trap of the class described, the combination of a substantially rectangularly shaped base member provided with an opening therein extending from near one end thereof to near the opposite end thereof, a trap door hinged to the lower side of said base and arranged to close said opening at its lower side, a counterweight mounted on said door near the hinge side and extending over one side of said base, a casing member arranged to be latched over said opening provided with an open lower side and open end, a gate pivotally mounted at its upper side in the open end of said casing, a latch pivotally mounted on said base provided with a lug arranged to engage said door when up and hold the same, bait supporting means in operative relation with said latch and a bait receptacle backwardly of said bait supporting means.

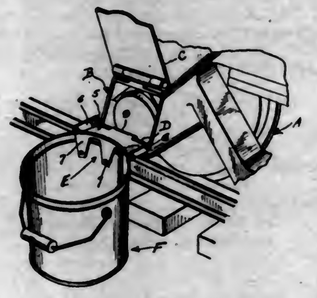
2,424,363
EYE-TESTING APPARATUS FOR INDICATING PUPILLARY DIAMETERS
Nicholas Miller, Berwyn, Ill.
Application December 9, 1943, Serial No. 513,555
16 Claims. (Cl. 88—20)

1. In an eye-testing apparatus, means for illuminating the pupil of one eye; a base plate; two reflectors mounted adjacent one another on said plate and disposed at an angle for forming two separate images of the illuminated pupil; a pivotal bearing for one of said reflectors; a lens fixed in a position to receive the image rays from the reflectors for the viewing of the pupil images by an operator; a scale device of pupil diameters in operative connection with the pivoted reflector, and a pointer for said scale; means for adjusting the position of the scale by the operator for changing the angle between said reflectors, for shifting the pupil images into a position of tangency, said angle being de-



pendent upon the diameter of the pupil, which is indicated on said scale.

2,424,364
JOURNAL BOX BUCKET HANGER
John H. Myers, Baton Rouge, La.
Application July 6, 1945, Serial No. 603,551
3 Claims. (Cl. 248—309)

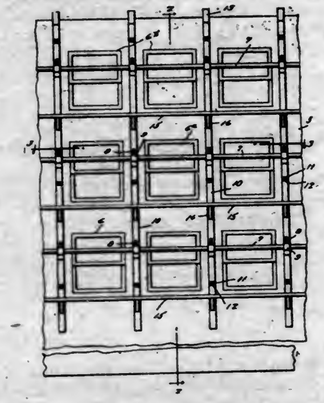


1. As a new article of manufacture, a hanger bracket for a bucket of the class described comprising a flat plate having transverse upstanding flanges at opposite marginal ends, provided along one longitudinal edge with depending fingers for anchorage on a bucket, and provided on the opposite longitudinal edge with a plurality of prongs, said prongs being bent to form a claw-like gripping means for detachable connection with an existing flange on a standard journal box.

2,424,365
FIRE ESCAPE
John Needre, Newport News, Va.
Application September 1, 1944, Serial No. 552,315
3 Claims. (Cl. 228—45)

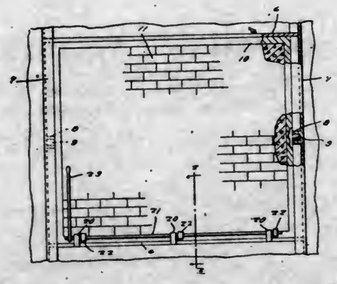
1. In a fire escape, the combination of horizontal rails indirectly mounted on the wall of a building so that one rail extends across the entire width of the wall and across the upper portions of the windows on each of the different floors, and horizontal platforms mounted on the

wall of the building so that one platform extends across the entire width of the wall directly beneath the windows on each of the different floors, and vertical hanger bars bolted to the wall of the building between the windows and extending from the top of the wall to a point below the



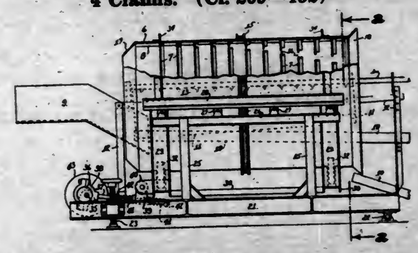
windows on the second floor of the building, and brackets rigidly attached to said hanger bars and extending outwardly therefrom, said horizontal rails being carried by the outer ends of said brackets, said platforms being carried by said hanger bars.

2,424,366
STARTER AND LOCK FOR FIRE ESCAPE PANELS
John Needre, Newport News, Va.
Application October 18, 1944. Serial No. 559,314
3 Claims. (Cl. 268—74)



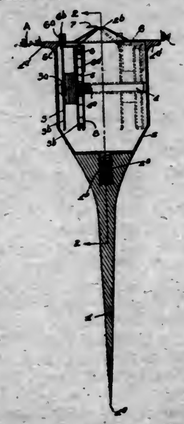
1. In combination with a building wall having an opening therein, a frame fixed in said opening, a relatively large and heavy fire escape panel pivotally mounted at its horizontal median within said frame, a shaft journaled on said frame inwardly of the panel and parallel with and adjacent the lower edge portion of the latter the lower portion of the panel being movable outwardly when said panel is opened, an operating lever on one end of said shaft, and cams carried by said shaft at spaced intervals and arranged to bear against the lower edge portion of the panel for only starting the latter toward open position upon rotation of the shaft by swinging the lever downwardly.

2,424,367
RECIPROCATING AND ROTATING DRUM CONCENTRATOR
John M. Nicol, Mill Valley, Calif., assignor to Geo. G. Titzell, Jr., San Francisco, Calif.
Application March 5, 1945, Serial No. 581,028
4 Claims. (Cl. 209—452)



2. A drum concentrator comprising a movable drum having its axis approximately horizontal, means for rotating said drum about its axis, means for introducing unclassified material into one end of said drum, means for advancing said material through said drum and discharging the coarser portions thereof from the other end, spaced transverse riffles secured to the inner surface of the drum, longitudinally disposed lifters of less height than said riffles extending between them, a launder within the drum positioned to receive the finer portions of said material from said lifters, a frame having spaced side members rising to the approximate level of the center of the drum, a movable cradle positioned between said frame side members, said cradle having a bottom and side members, the upper portions of said cradle side members being movably connected with said frame side members whereby said cradle is suspended between the sides of said frame, rollers mounted on the bottom and sides of said cradle for rotatably supporting said drum, and means for reciprocating said cradle longitudinally of the axis of the drum to assist the separation of the fines from the coarser material in said drum.

2,424,368
RETRACTIBLE LEASH
George S. Oberdorf and Thelma J. Oberdorf, Chula Vista, Calif.
Application April 2, 1945, Serial No. 586,072
7 Claims. (Cl. 242—107)



7. In a retractible leash of the class described the combination of a spike adapted to be driven

into the ground, a rotatable reel in connection therewith, a cord in connection with said reel and wound thereon and a casing for said reel secured to said spike, said spike and casing being so formed that they may be driven into the ground until the upper side of the casing is nearly flush with the surface of the ground.

2,424,369
SWINGING BRACKET
Raymond R. Rundell, Miami, Fla.
Application December 1, 1944, Serial No. 566,187
4 Claims. (Cl. 211—96)



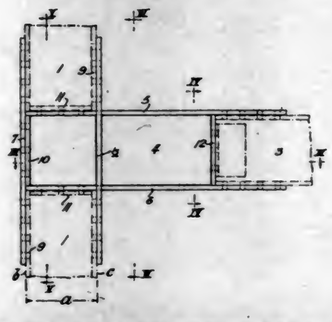
1. A bracket comprising a pair of elongated article supporting members having an eye at one end thereof, a base, a pair of apertured lugs extending from said base, a pivot member loosely carried by said lugs and engaging through said eyes, and a screw eye having the eye thereof engaged about said pivot member and disposed between said first named eyes, the shank of said screw eye engaging loosely through said base and adapted to dispose the periphery of said first named eyes in frictional contact with said base to thereby frictionally hold said members against swinging movement.

2,424,370
WIRE WRENCH
Edward G. Schwyn, Bryan, Ohio
Application July 26, 1944, Serial No. 546,676
4 Claims. (Cl. 140—123)



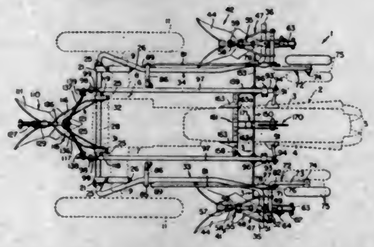
1. A wire wrench comprising a substantially flat body having intermediate its ends a cone shaped projection from the plane of the body, a slot having its outer open end at one end of said body member and extending inwardly to said cone shaped projection and having its inner end terminating substantially at the center thereof, said slot being curved and adapted to receive a main wire in said outer open end of said slot and to guide said wire to the inner end of the slot with a camming action, due to its curvature when the wrench is rotated around said wire, said body member having an angularly directed hole therein to receive a wrapping wire portion of said main wire after it extends around a post or the like, reception of said wrapping wire portion being adjacent said cone shaped projection and on the side thereof opposite said slot, and said angular hole being surrounded by an inclined boss extending part way up the side of said cone shaped projection, the direction of said hole being substantially parallel to the surface of the cone.

2,424,371
MULTISTOREY BUILDING CONSTRUCTION
Kenneth Myers Scott, Thornaby on Tees, and Osias Abisch, London, England, assignors to Head, Wrightson & Company, Limited, Thornaby on Tees, England
Application April 29, 1944, Serial No. 533,340
In Great Britain May 28, 1943
4 Claims. (Cl. 189—36)



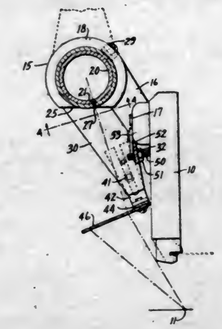
1. In a building frame construction, a pair of aligned stanchions, a beam, and means for connecting the adjacent ends of the stanchions and an end of said beam comprising an I section having its web disposed vertically and its flanges horizontally, one end of the I section protruding between and being engaged by said adjacent stanchion ends, said web terminating short of said flanges at the opposite end of said I section to leave projecting flange portions between which the said beam end is received, a plate secured to and extending vertically above and below said I section and being secured in abutment with surface portions on the sides of said stanchions facing towards said beam, and a second plate secured to and extending vertically above and below said I section and being secured in abutment with surface portions on the opposite side of said stanchions.

2,424,372
INTEGRALLY MOUNTED LISTER OR BEDDER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 23, 1943, Serial No. 503,579
23 Claims. (Cl. 97—47)



1. An agricultural implement adapted to be connected to a tractor, comprising a pair of laterally spaced apart separately movable push bars, means for pivotally connecting the rear ends of said push bars with said tractor, a tool carried by the front end portion of each of said push bars, one at each side of the tractor, means normally holding said tools against movement relative to said push bars, a cross bar connecting the front end portions of said push bars and adapted to extend transversely of the tractor, and means connecting said cross bar with the tractor so as to act through the cross bar for resisting lateral displacement of either of said tools, said connecting means comprising parts relatively movable only in a generally vertical direction and restrained against relative lateral movement, one of said parts being adapted to be connected to the tractor, and means connecting the other part with said cross bar.

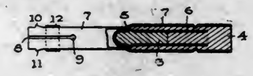
2,424,373
OPTICAL DEVICE FOR ESTABLISHING A WORKING POSITION
William R. Spiller and Robert J. Niederhauser, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1943, Serial No. 476,654
11 Claims. (Cl. 88—2.4)



1. A locating device of the character described comprising a hollow housing having an extended opening formed in the wall thereof, a light source within said housing, a sleeve adjustably mounted on said housing and having aperture-providing means adapted to be aligned with said opening in different positions of adjustment thereof to expose different portions of said opening and to produce a light zone area located at varying spaced points corresponding with the setting of said adjustable sleeve, a plate having properties of both light transmission and light reflection, and means providing a connection between said plate and said housing, said last named means supporting said plate in predetermined relation with said housing and with a working position to reflect an image of said light zone area appearing in space at said working position while said plate remains transparent for vision therethrough.

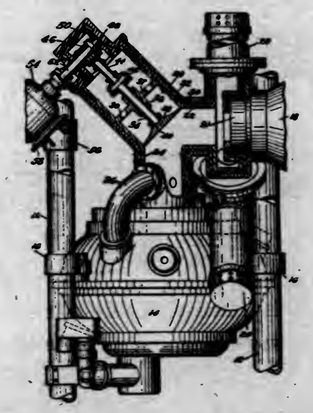
2,424,374
EXPLOSIVE BOOSTER
James Taylor, Saltcoats, and Harold Reginald Wright, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application May 20, 1943, Serial No. 487,764
In Great Britain July 29, 1942
8 Claims. (Cl. 102—27)

2. An explosive booster comprising a tubular casing open at both ends of narrower diameter at one end than at the other, said narrower end being adapted to receive a detonating component and to retain said component after insertion by deformation of the casing about said component, a tube of smaller diameter than said casing closed at one end located within the casing with the open end of the tube protruding into the wider portion of the casing, the closed end of the tube sealing off the narrower portion of the casing from the wider portion, a flame-insensitive detonating explosive charge compressed within said



tube into contact with the closed end thereof, and a second flame-insensitive detonating explosive charge, larger in quantity than said compressed charge, cast within the wider portion of said casing in direct contact with said tube and the free surface of the compressed charge, said compressed charge being substantially more sensitive to initiation than said cast charge.

2,424,375
MODULATOR FOR SOUND WAVES
William A. Van Allen, Cambridge, Mass., assignor to Ultrasonic Corporation, Boston, Mass., a corporation of Massachusetts
Application February 21, 1946, Serial No. 649,255
5 Claims. (Cl. 116—137)

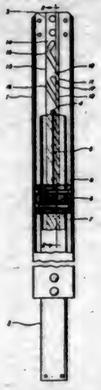


4. A device of the class described, which comprises a compression wave generator, a first conduit connected to the output of said generator, walls forming a treating chamber, a conduit connected to said chamber and connected at a predetermined angle to said first conduit, a housing secured to both conduits at the intersection thereof, a piston mounted in said housing at an angle to reflect waves from said first conduit through the second conduit, and means for reciprocating said piston in said housing.

2,424,376
ADJUSTABLE LENGTH DEVICE
Raymond C. Weikel, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application April 21, 1945, Serial No. 589,553
3 Claims. (Cl. 248—161)

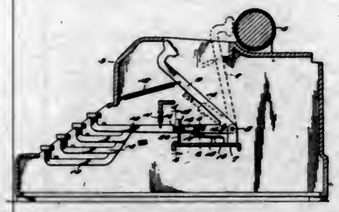
1. An adjustable member comprising a first element, a second element linearly slidable with respect to the first, a detent carried on the first element, yieldable means tending to maintain

the detent in a neutral position, and an abutment carried on the second element comprising two generally parallel faces inclined to the direction of sliding of the elements and engage-



able by the detent upon such sliding to deflect the detent from its neutral position, and a locking recess between said faces, adapted to receive the detent.

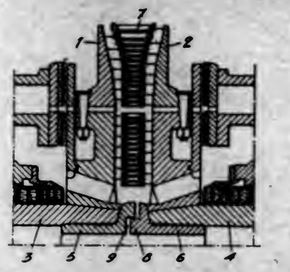
2,424,377
SPRING-POWERED KEY ACTION
James P. Wesley, Glendale, Calif.
Application August 28, 1946, Serial No. 693,483
3 Claims. (Cl. 197—17)



3. In a typewriting machine, the combination of a key lever having a lateral keeper cam, a type bar having an arm, a spring attached to said arm and carrying a latch engageable beneath the keeper cam to connect the key lever and type bar, a power unit including a spring coacting with said type bar so as to have its potential energy increased upon depression of the key lever, and a cam arranged in the path of said latch to laterally move and disengage it from beneath the keeper cam and thereby disconnect the type bar and key lever before movement of the key lever is completed, whereby the increased energy of the power unit spring is utilized to swing the type bar to printing position.

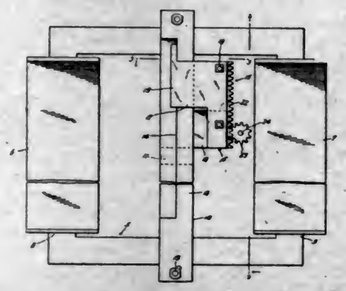
2,424,378
SAFETY DEVICE FOR RADIAL FLOW ELASTIC FLUID TURBINES
Oscar Anton Wiberg, Finspong, Sweden
Application May 4, 1944, Serial No. 534,106
In Sweden July 9, 1943
3 Claims. (Cl. 253—16.5)

1. In a radial flow elastic fluid turbine having a set of concentric blade rings, two shafts adapted for opposite rotation, two turbine discs each carried by a separate one of said shafts for supporting alternate blade rings, one of said shafts having a threaded boring in its end, a hollow screw engaging said threaded boring of said one shaft end to secure the respective turbine disc thereto, a cylindrical projection concentric to the turbine axis formed on the inner end of said screw, and a screw to secure the other disc to



its shaft, said last-mentioned screw having a boring in its end toward the first-mentioned screw, the boring of said last-mentioned screw accommodating the projection of said first-mentioned screw with a radial play less than the minimum radial space existing between adjacent blade rings.

2,424,379
ADJUSTABLE TRANSFORMER
James A. Anderson, Memphis, Tenn.
Application January 9, 1945, Serial No. 571,974
4 Claims. (Cl. 171—242)

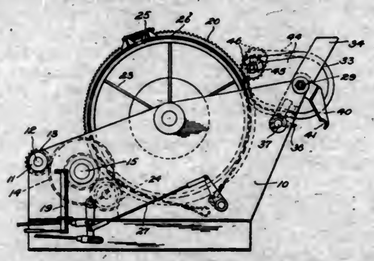


1. An adjustable reactance transformer of the character described comprising a core carrying windings, a transformer leg forming a magnetic shunt to the winding carrying core consisting of two sections, separated by a fixed air gap, a further movable flux carrying leg member of magnetic material provided with a tapering section, movable alongside both leg sections and bridging the gap between the same during such movement, and means for adjusting the position of the tapering section for varying the cross section of the permeable flux carrying material for the passage of the magnetic flux.

2,424,380
SPOOLING MECHANISM FOR CABLE WINCHES
Eugene Barker, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application November 20, 1944, Serial No. 564,192
2 Claims. (Cl. 242—158)

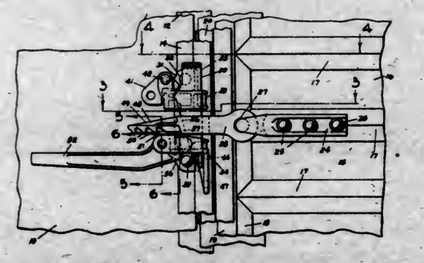
2. Cable winding and unwinding mechanism comprising a frame, a cable drum rotatably supported by said frame, a power rotated driving

gear for said drum, a shaft journaled for rotation in said frame in spaced parallel relation with respect to said drum, said shaft being formed with continuous intersecting helical grooves of opposite hand, a cable-guiding follower positioned on said shaft and having an element engaged with said grooves to provide sliding movement of said follower first in one direction and then the other upon unidirectional movement of said shaft, a second shaft journaled in said frame below said grooved shaft, a depending extension on said fol-



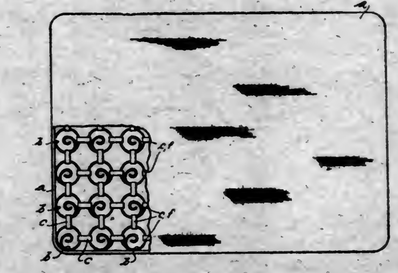
lower having a semicircular socket in the lower end thereof arranged to receive said second shaft, a movable jaw carried by said extension and cooperative with said second shaft for maintaining said follower against rotation on said grooved shaft, a gear train rockably supported by said grooved shaft and movable into and out of engagement with the driving gear for said drum, and a foot member carried by said follower and spaced from said extension for limiting the extent of oscillation of said follower and gear train by engagement with said second-named shaft.

2,424,381
DOOR LOCKING AND CLOSING DEVICE
Wilfred A. Beauchamp, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application May 13, 1943, Serial No. 486,823
5 Claims. (Cl. 292—283)



1. In a locking and closing device for sliding car doors having a swingably supported hasp and a lock bracket provided with vertically spaced housing members slidably receiving a pin adapted to have locking engagement with said hasp, the combination comprising spaced ears extending from the lower of said housing members, a lever pivotally mounted between said ears in offset relation to said pin, means on said lever engaging said lower housing member to maintain said lever in substantially horizontal position, an extension on said hasp beyond the point of engagement of said hasp and pin, and a shoulder on said extension, said lever being engageable with said shoulder and operable to exert a pull upon said hasp, for the purpose set forth.

2,424,382
SPRING FILLING FOR MATTRESSES, SOFAS, SEATS, CUSHIONS, OR THE LIKE
Hugo Büttner, Wuppertal-Vohwinkel, Germany; vested in the Attorney General of the United States
Application June 28, 1938, Serial No. 216,367
In Germany June 29, 1937
Sections 3 and 14, Public Law 690, August 8, 1946.
Patent expires June 29, 1957
1 Claim. (Cl. 5—248)



A spring filling for mattresses, sofas, cushions and the like, having cylindrical coils functioning independently of each other and wound alternately right and left hand when seen from the same end, said filling being characterized in that the convolutions intermediate the ends of each adjacent oppositely wound spring are connected by means of rigid links while the end convolutions of each spring are free from connection with the end convolutions of the adjacent springs.

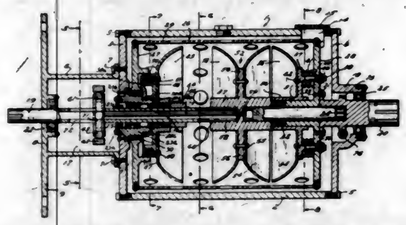
2,424,383
PHENOL-FORMALDEHYDE-PROTEIN PLASTIC MATERIALS FOR EXTRUSION OR INJECTION
Francis E. Calvert, Cincinnati, Ohio, assignor to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application September 2, 1944, Serial No. 552,568
3 Claims. (Cl. 260—7)

1. In a method for producing a thermosetting plastic suitable for use in continuous extrusion or injection processes and capable of hardening to an insoluble and infusible form by low temperature heating and without pressure, the steps which comprise heating a mixture of 500 parts of a compound selected from the group consisting of phenol and cresols, from 400 to 2,000 parts of 40% formaldehyde, and a basic catalyst in amount equivalent to from 2 to 20 parts of sodium hydroxide, to form a water soluble castable condensation resin, acidulating the resin to a pH value of from 3.0 to 6.0 to form a water soluble product, and mixing with the acidulated resin from 500 to 750 parts of a protein dispersible in mild alkaline solution while dewatering the mixture to a colloidally held moisture content of from 6 to 18%.

2,424,384
HYDRAULIC DRIVE
Emery F. Comstock, Cincinnati, Ohio, assignor of one-half to Walter V. Hallerman, Cincinnati, Ohio
Application February 10, 1944, Serial No. 521,834
3 Claims. (Cl. 74—189.5)

1. In an hydraulic drive, a casing for containing fluid, a drive shaft extending into one end

of said casing, a driven shaft extending into the other end of said casing, a pair of spaced-apart forward and reverse driving runners in said casing rotatable about the axes of said drive and driven shafts, respectively, a duplex impeller splined on said drive shaft intermediate said runners and laterally shiftable from an intermediate neutral position in opposite directions into cooperative relation to said runners selectively to establish a fluid clutch between the same and the



selected runner, means to cause said pair of runners to drive said driven shaft in forward and reverse directions, respectively, when such clutching relation is established, and means to selectively shift said impeller, the first-mentioned means comprising a cage-like cylindrical rotor rotatable about said drive shaft and inclosing said runners and said impellers, a direct driving connection between the forward driving runner and said rotor, and reverse driving connections between the reverse driving runner and said rotor.

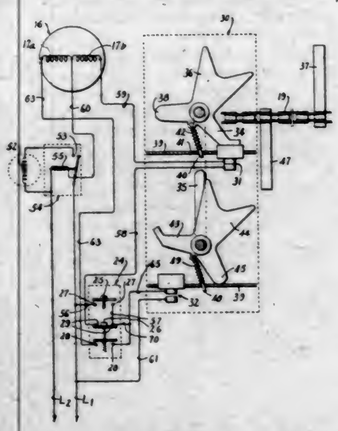
2,424,385

CLOSURE OPERATOR CONTROL SYSTEM

John F. Cook, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application June 27, 1945, Serial No. 601,896

3 Claims. (Cl. 172—239)



1. In a power operator for a closure member movable between open and closed positions, the combination of a reversible electric drive motor having two alternatively available energizing circuits for effecting rotation of the motor in corresponding opposite directions for respectively opening and closing the closure member, means including a first manually operable switch normally biased to open position for energizing said opening circuit, said means also including a second manually operable switch which is normally closed and a first limit switch, both connected in series with said first manual switch, means for retaining said first limit switch in closed position throughout the travel of the closure member and for opening the same only when such member is substantially in fully open position, a third manually operable switch normally biased to open position and mechanically connected to said second manual switch to open and close in alternation therewith, and means including a second limit switch operable in timed relation with the closure member to remain closed throughout the travel of such member and open only when the latter is substantially fully closed for (a) deenergizing the motor closing circuit upon completion of a closing movement of the closure member instituted by closing of said third switch, (b) completing a holding circuit in shunt with said first manual switch to retain said motor opening circuit energized after momentary closure of said first manual switch, and (c) partially completing an energizing connection for said motor opening circuit preparatory to completion of the same by reclosure of said second manual switch to effect restoration of the closure member to open position whenever the third switch is manually released during closing of the closure member.

2,424,386

METHOD OF COATING TEXTILE FABRIC WITH POLYVINYL RESIN

Rudolph Herbert Czeczowitzka, Pendleton, Salford, England, assignor to Texproof Limited, Pendleton, Salford, England, a British company

No Drawing. Application June 11, 1943, Serial No. 490,482. In Great Britain June 19, 1942

1 Claim. (Cl. 117—47)

A method of forming a surface coating of a polyvinyl resin on a textile fabric, comprising impregnating the fabric with water containing small quantities of calcium alginate, ammonia and a wetting agent, applying to the fabric a coating of a solution, in an organic solvent of a plasticized polyvinyl resin selected from the group consisting of polyvinyl acetate, vinyl chloride-acetate copolymers and polyvinyl acetals, and stearic acid, applying to the fabric a coating of a solution containing a filler and a plasticized polyvinyl resin as defined above, and drying the fabric.

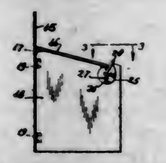
2,424,387

FOLDING MUSIC STAND

Morton Herschel Davis, New York, N. Y.

Application November 17, 1944, Serial No. 563,899

4 Claims. (Cl. 45—85)



3. A folding music stand, comprising a vertical back board, a top board hingedly mounted along a horizontal line of said back board and extending forwardly and downwardly, a vertical side board having a slot in the top edge and hingedly mounted along a vertical line on said back board and extending forwardly, a ledge member hingedly mounted on the front edge of said top board and having its bottom edge extending into a slot in the top edge of said side board, and means for changing the inclination

of said slot for changing the tilt of said ledge member, comprising a disc-like member adjustably mounted on said side board and being formed with said slot.

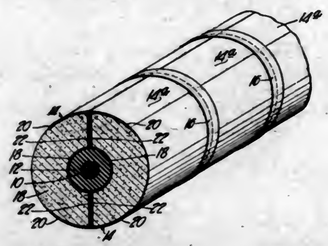
2,424,388

BUOYANT CABLE

Alfred L. Duna, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application November 18, 1943, Serial No. 510,805

5 Claims. (Cl. 174—101.5)



1. An electrical conductor surrounded with a dielectric cover, a plurality of complementary skeleton sections of high thermal conductivity arranged end to end lengthwise of the conductor, each of said skeleton sections comprising inner and outer arcuate segments connected by web portions, the inner segments jointly enveloping said dielectric cover, means securing the outer segments together in face-to-face abutment and end-to-end relation, respective buoyant bodies of low thermal conductivity retained between said inner and outer segments, and an outer protective enclosure for the aforesaid components.

2,424,389

TORSION SPRING ASSEMBLY FOR AUTOMATIC PUSH RODS

Herbert H. Engemann, Cleveland Heights, Ohio

Application June 2, 1944, Serial No. 538,456

8 Claims. (Cl. 123—90)



1. In a linkage assembly, an automatically extensible and contractable link including threaded-together male and female parts, a torsion spring to reversely rotate the parts for lengthening the link, and an inertia hammer for rotating the male part to shorten the link, the improvements of threads in said link defining helical grooves receiving the ends of the torsion spring to anchor the spring, and opposed abutment means on the male member adapted to thrust against the opposed ends of the female member for limiting the relative movements of the male and female members.

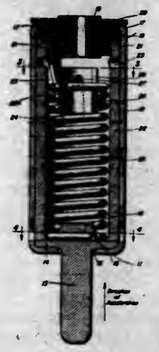
2,424,390

SWITCH

Robert G. Ferris, Harvard, Ill., assignor to United States of America, as represented by the Secretary of the Navy

Application June 24, 1944, Serial No. 541,991

5 Claims. (Cl. 200—52)



3. In a switch for use in a projectile, a stationary contact element, a movable contact element normally out of contact with said stationary contact element, a guide member having a V-shaped slot, the arms of said slot being of unequal lengths, a pin carried by said movable contact element and being movably mounted in said slot and being positioned normally at the end of the shorter arm of the slot, a spring tending to move said movable contact element into contact with said stationary contact element and tending to rotate said pin toward the longer leg of said V-shaped slot, whereby a sustained force of setback moves said pin and said movable contact element rearwardly to the apex of the V-shaped slot and the spring rotates the pin into the longer arm of the slot and moves said pin to the end of said longer arm, thus moving said movable contact element into contact with said stationary contact element to close the switch.

2,424,391

THREAD SEVERING MECHANISM FOR SEWING MACHINES

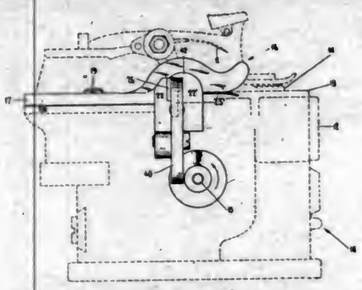
Joseph Galkin, New York, N. Y.

Application September 7, 1946, Serial No. 695,461

3 Claims. (Cl. 112—252)

1. In a sewing machine of the class described, comprising a frame, a main shaft, a needle-plate and a feed-dog; a thread severing attachment fixed to said frame rearwardly of the point of seam formation for severing the chaining thread between successively stitched articles, including a bracket having a hollow head positioned rearward of said feed-dog, said head having a horizontal groove positioned in alinement with the line of seam formation and of a depth permitting said chaining thread to drop therein, a cutting blade fixed in said head and having a cut-out portion in alinement with said groove, a thread-cutting blade slidably mounted in said head and coacting with said fixed cutting blade, said slidable cutting blade being movable across the line of seam formation into cutting engagement with

said fixed blade and adapted to sever said chaining thread, spring means normally biasing said slidably mounted blade into a retracted position, a cam on said main shaft, a lever pivotally mounted on said head and operatively associated with

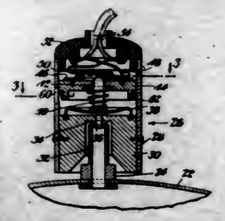


said cam for bringing said slidably mounted cutting blade into cutting position, the upper portion of said head having a lateral extension of a width designed to cover and conceal said slidable cutting blade and protect the articles being stitched from damage thereby.

2,424,392
ELECTROLYTIC PRODUCTION OF MANGANESE COMPOUNDS
Uscha Gottesmann and Hirsch Lowenstein, Paris, France; vested in the Attorney General of the United States
No Drawing. Application April 21, 1938, Serial No. 203,242. In Germany April 24, 1937
Sections 3 and 14, Public Law 690, August 8, 1946. Patent expires April 24, 1957
2 Claims. (Cl. 204—82)

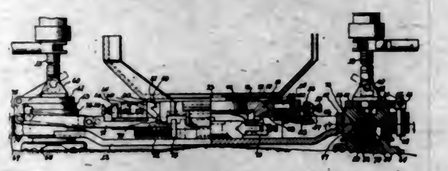
1. A process for the electrolytic production of a permanganate which comprises electrolyzing in a first bath of a concentrated aqueous solution of an hydroxide selected from the group consisting of alkali metal hydroxides and alkaline earth metal hydroxides between an anode composed of ferromanganese containing eighty percent of manganese and a cathode until manganate and other compounds are precipitated in solid form, removing the precipitate from the liquor, dissolving the manganate from the precipitate, then electrolytically oxidizing the dissolved manganate to permanganate.

2,424,393
PRESSURE COOKER AND CONTROL THEREFOR
Theodore Eliot Graves, West Orange, N. J., assignor to The Wilcolator Company, Elizabeth, N. J., a corporation of Delaware
Application August 14, 1945, Serial No. 610,853
14 Claims. (Cl. 219—43)



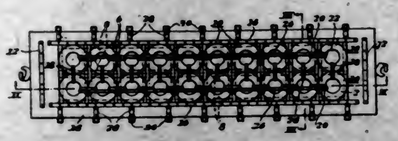
1. The combination with a pressure cooker having a cooking vessel, a cover therefor, an open-ended safety vent pipe mounted on the cover and opening therethrough into the vessel and an electrical means for heating the vessel, of a weighted control member fitting over the vent pipe and adapted to close in the pipe to create a back pressure in the cooking vessel, an electrical switch within the weighted control member, electrical conductors connecting the terminals of the switch to the heating means and a source of power respectively, and means in said weighted member responsive to the pressure generated within the vessel for actuating the switch.

2,424,394
SHAKER CONVEYER
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1945, Serial No. 636,730
15 Claims. (Cl. 198—220)



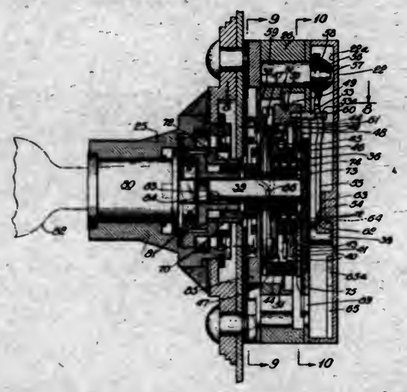
1. In a swivel for a shaker conveyor trough line, a driving trough and a driven trough, a base, means for mounting said troughs on said base for reciprocable movement with respect thereto so one may be adjusted laterally with respect to the other, holding means engageable with the mine roof and bottom, for holding said base in position on the ground, and the connection between said holding means and said base being vertically slidable when initially engaging said holding means with the ground, and gripping said base in substantially horizontal directions when said holding means have firmly been engaged between the mine roof and bottom, to permit movement of said base relative to said holding means so as to relieve said base from twisting stresses and prevent distortion of said base when resting on an uneven mine bottom and held in position by said holding means.

2,424,395
TRANSPORTATION LOAD AND METHOD OF PREPARING THE SAME
Don F. Hedges, Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application October 2, 1944, Serial No. 556,840
14 Claims. (Cl. 105—367)



1. The method of preparing a transportation load of cylindrical objects having an axial opening therethrough for transit in a railway car or the like which comprises placing two or more objects side by side on end at one end of the car, fastening adjacent objects together by end cross straps passing through the openings in the objects, placing an object against each of the first objects, fastening the second group of objects to the first group by straps passing through the openings in the objects, and progressively fastening additional groups of objects to each preceding group in like manner throughout the length of the car to form one solid major unit.

2,424,396
COMBINATION LOCK
Frederic K. Heyer, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 16, 1943, Serial No. 502,564
48 Claims. (Cl. 70—285)



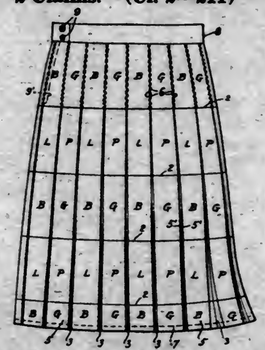
5. In a lock of the class described, a housing, a bolt mounted for movement in a fixed plane relatively to said housing and having a detent portion, a dog, a universal pivot mounting for said dog in said housing, a part of said dog normally lying in the plane of said detent portion to block movement of said bolt, a series of combination tumblers, means controlled by the setting of said tumblers for moving said dog on its pivot and said part of the dog angularly out of the plane of said detent portion, and key operated means for moving said dog on said universal pivot to one side of said detent.

2,424,397
TYPE HOLDER
William R. King, Newark, N. J., assignor to Jas. H. Matthews & Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1944, Serial No. 541,390
4 Claims. (Cl. 101—28)



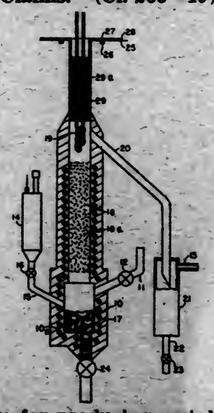
1. A type holder comprising a laterally open body, a unitary anvil and type retainer against which type is adapted to bear and having means for interengagement with the type, the unitary anvil and type retainer closing the body and having a projection intermediate its ends bearing against the interior of the body opposite the lateral opening therein and about which the unitary anvil and type retainer is tiltable to move said means out of interengagement with the type to permit removal of the type, and means cooperating with the unitary anvil and type retainer and with the body to fasten the unitary anvil and type retainer rigidly to the body in type holding position.

2,424,398
SKIRT
Stephanie D. Koret, San Francisco, Calif.
Application October 26, 1945, Serial No. 624,732
2 Claims. (Cl. 2—211)



1. A vertically pleated skirt the body of which comprises a piece of fabric bearing rectangular design areas on its surface arranged in substantially contiguous rows running vertically and horizontally of the skirt and forming vertical and horizontal junctural lines between the rows, and inverted pleats on the skirt following the vertical lines between the design areas so as to embrace and substantially conceal said lines, said inverted pleats folded in a manner to taper smaller toward the bottom of the skirt and thereby make the outer exposed panels between them taper in the opposite direction and with their greatest width at the bottom of the skirt.

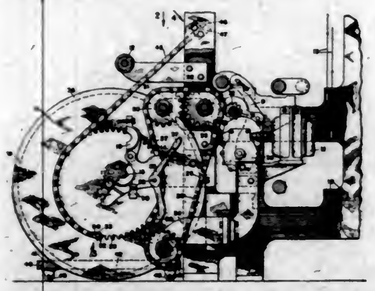
2,424,399
APPARATUS FOR CHEMICAL FRACTIONATION
Charles A. Kraus and Aldo Spencer Lehmann, Providence, R. I., and Charles L. Morris, Cambridge, Mass., and Charles R. Witschonke, Chicago, Ill.
Original application October 7, 1943, Serial No. 505,376. Divided and this application March 15, 1945, Serial No. 582,956
3 Claims. (Cl. 266—19)



1. Apparatus for producing metallic potassium by treatment of a solid inorganic potassium compound with sodium above the melting point of sodium which comprises, a column, means for introducing sodium vapor into the bottom of said column, supporting means for suspending said solid potassium compound within said column,

means for removing metal vapor from the top of said column, and a closure at the top of said column for hermetically sealing said column for operation at high temperature under sub-atmospheric pressure.

2,424,400
WARP BEAM LIFTING MECHANISM FOR LOOMS
Clarence R. Kronoff, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 27, 1946, Serial No. 686,783
19 Claims. (Cl. 139—1)



1. In lifting mechanism for the warp beam of a loom having a bearing to receive a gudgeon on the beam, a guide extending below the bearing, a sprocket wheel on the beam, a sprocket chain movably mounted on the loom engaging the sprocket wheel on one side of the axis thereof, and means supporting the beam on the other side of said axis and cooperating with the chain when that part of the latter meshed with the sprocket wheel is raised to lift the beam and move the gudgeon along said guide toward said bearing.

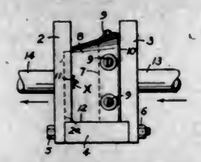
2,424,401
CIRCULATORY HORMONE PREPARATION AND PROCESS OF MAKING THE SAME
Alex Lesak, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 6, 1943, Serial No. 471,454
13 Claims. (Cl. 167—75)

1. The process for producing a highly potent circulatory hormone preparation having peripheral vasodilatory action and being substantially free from physiologically significant amounts of peptone, insulin, histamine, choline, adenosine, adenylic acid and other deleterious impurities which comprises: extracting animal pancreas with a dilute aqueous alkaline solution; enzymatically hydrolyzing said alkaline extract with tryspin; adjusting the resulting aqueous hydrolysate to pH 5–7 and adding a water-soluble protein-precipitating salt in amount sufficient to precipitate substantially all of the saline-solution-insoluble impurities while retaining substantially all of the circulatory hormone dissolved in the aqueous liquor and also adding, with thorough mixing, a dense, inert, water-immiscible liquid in amount sufficient to clarify the aqueous phase; removing the precipitated impurities and the dense, inert, water-immiscible liquid; adding to the aqueous liquor a salt of the group consisting of ammonium sulfate and sodium sulfate in amount sufficient for approximate saturation of the aqueous liquor; and collecting the precipitated circulatory hormone.

2,424,402
FROTH FLOTATION OF SULFIDE ORES WITH PHOSPHOROUS - SULFIDE - OLEFIN REACTION PRODUCT
Clarence M. Loane and James W. Gaynor, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 14, 1944, Serial No. 554,151
21 Claims. (Cl. 209—166)

1. The method of effecting the concentration of a sulfide ore by flotation which comprises subjecting a mineral pulp containing a sulfide ore to a flotation operation in the presence of the phosphorus and sulfur-containing reaction product of a phosphorus sulfide and an olefin.

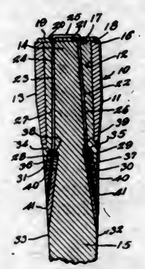
2,424,403
APPARATUS FOR THE FLUID TREATMENT OF YARNS AND THE LIKE
Alvin Lodge, Detroit, Mich., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 22, 1944, Serial No. 523,393
8 Claims. (Cl. 68—200)



1. A device for the treatment of a continuously running article of indefinite length having at least one transverse dimension of comparatively small magnitude comprising a chamber defined by confining walls for receiving a treating medium under a pressure above that of the surrounding atmosphere, at least two portions of the confining walls being adapted to form passages communicating with the chamber for the entrance and exit of the article and comprising a flexible elastic member having a free edge in contact with the bearing surfaces of adjacent relatively inflexible portions of the confining walls to make a fluid sealing contact therewith, said member being inclined at each of said adjacent, inflexible portions with its free edge disposed inwardly of the normal from the adjacent bearing surface to the portions of the flexible member adjacent its free edge, thereby affording passage of the article into and out of the chamber while substantially sealing the passages and substantially preventing the escape of treating medium, no portion of any flexible wall being inclined outwardly of the hereinbefore defined normal.

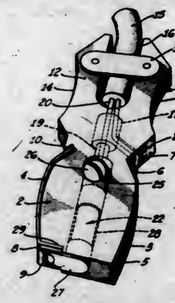
2,424,404
TOOL AND HANDLE SET
Francis A. Lucia, Brooklyn, N. Y.
Application February 7, 1946, Serial No. 646,059
2 Claims. (Cl. 306—35)

1. In combination with a tool head having a substantially rectangular-shaped handle receiving bore formed therethrough, a handle for said tool having its upper end reduced to snugly fit the bore in said tool head and formed with seats on its opposite sides engageable with the inner side edges of said tool head, said handle being formed with upwardly converging bores extending inwardly from its opposite sides, said handle being also formed with downwardly diverging bores extending from its outer end to merge with said first-mentioned bores, an apertured cap plate disposed in contact with the end of said handle overlying the adjacent edges of said tool head, a U-shaped staple member positioned to



extend through said cap plate and bores having its terminal ends threaded, and securing nuts disposed on said threaded ends receivable in the first mentioned bores in said tool handle.

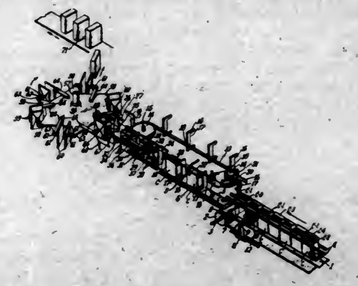
2,424,405
STAGE PLUG
Julius H. Lytgens, Los Angeles, Calif.
Application March 20, 1945, Serial No. 583,699
1 Claim. (Cl. 200—115.5)



In a stage plug construction, the combination of a block of insulation material, a pair of contact terminal strips disposed along opposed side edges of the block, a longitudinal bore formed in that end of the block to be inserted into a receptacle, a cartridge fuse having a metal terminal strip connected to one of its ends and extending longitudinally beyond the end of said fuse and having a second terminal strip connected to and extending laterally from the opposite end of said fuse, whereby when said fuse is inserted in said bore, electrical connection may be made between the lateral fuse terminal strip and one of the block terminal strips and connection may be made between a conductor and the other fuse terminal strip to dispose the fuse in series relation with a cable secured to said plug.

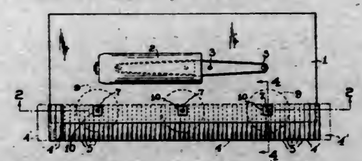
2,424,406
METHOD AND APPARATUS FOR TIGHT-WRAP PACKAGING
Donald E. Marshall, Summit, and Francis Ross Clark, Leonia, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application November 25, 1941, Serial No. 420,374
13 Claims. (Cl. 93—2)

1. In apparatus for producing tight wrapped cartons containing pulverulent material in which cartons having flaps open at the top are filled and the top flaps folded but not adhesively held in overlapping relation, the improvement which comprises means for receiving in upright position a filled and closed carton, means for engaging the top of said carton to hold the flaps in closed position, means for applying an adhesive-coated



wrapping sheet to vertical walls of said carton, means for making a top fold in said wrapping sheet against a portion of the top flap, means for disengaging said engaging means from contact with the top of said carton, and means for folding said wrapping sheet completely around the carton.

2,424,407
SPREADER TOOL
Michael Mayer, Cleveland, Ohio
Application July 11, 1945, Serial No. 604,459
3 Claims. (Cl. 72—136)



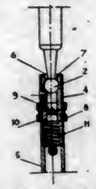
1. The combination with a trowel or the like provided with a straight-edge, of an edge member formed of an elongated strip of corrugated material removably secured along the edge of said straight-edge, said corrugations extending transversely across the entire width of the strip from edge to edge and being of uniform depth and width throughout their length, said securing means supporting the edge member on said straight-edge with the corrugations thereof extending at an angle to said straight-edge.

2,424,408
PREPARATION OF PEANUT PROTEIN
Sarah Neilson McGeoch, Greenford, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 22, 1944, Serial No. 564,719. In Great Britain December 6, 1943
4 Claims. (Cl. 106—154)

1. A method for the production of viscous spinnable alkaline solutions of substantial concentration of undenatured peanut globulin possessing substantial freedom from surface gelation which comprises the steps of extraction of the globulins from comminuted peanut material containing no appreciable amount of testa material by treatment of said peanut material at a temperature not exceeding 40° C. with an extraction solution

consisting of a strong alkali from the group consisting of sodium hydroxide and potassium hydroxide dissolved in water with the concentration of the alkali arranged so that the pH value of the solution is maintained between about 11.0 and 11.5 in said solution during said extraction, separation of the alkaline extract from undissolved matter, precipitation of the globulins from the alkaline extract at a temperature not exceeding 40° C., separation of the precipitated globulins from the precipitation medium, and solution of said separated globulins without subjection to any denaturing step in an alkaline solution, whereby a globulin solution of spinnable viscosity on ageing is produced.

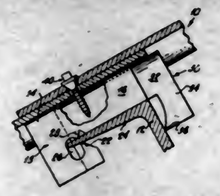
2,424,409
BALL-AND-SOCKET JOINT FOR CONTROL TRANSMISSIONS
Michel Joseph Meyer, Paris, France; vested in the Attorney General of the United States
Application May 25, 1939, Serial No. 275,747
In France May 30, 1938
Sections 3 and 14, Public Law 690, August 8, 1946. Patent expires May 30, 1958
4 Claims. (Cl. 287—87)



1. A ball and socket joint for a pair of control rods one of which is manually operated, including a male element in the form of a spherical member at the end of the manually operated control rod, a female element for receiving the male element fixed at the end of the other control rod and including fixed and movable jaw members, each of said jaw members having the shape of a spherical segment having a surface less than one half of the spherical member of the male element, the rotatable jaw member being displaceable relatively to the fixed jaw member by rotation in a plane about the axis of the rods when they are in alignment, a spring normally tending to hold the rotatable jaw member opposite the fixed jaw member for holding the spherical member between the jaw members, and means for compressing the spring by hand to bring the jaw members into contact with one another to provide a space of a sufficient size for disengaging the spherical member from the jaw members.

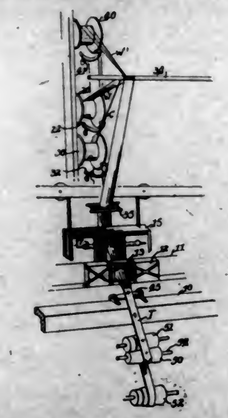
2,424,410
DEVICE AND METHOD FOR SECURING CORRUGATED SHEETS
William S. Miles, Hastings on Hudson, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 31, 1944, Serial No. 561,261
12 Claims. (Cl. 108—33)

1. A clip for fastening a corrugated covering sheet to a flanged support comprising a member including a curved body section with its edges adapted to rest on the flange of the support and its curved portion to project into a corrugation of the covering sheet, and a hooked section adapted to extend around said flange and including upwardly directed prongs to engage beneath said flange, said prongs being adjustable to accommodate flanges of different thicknesses,



the member being formed of sheet metal of a character to be drilled for the reception of a self-tapping screw.

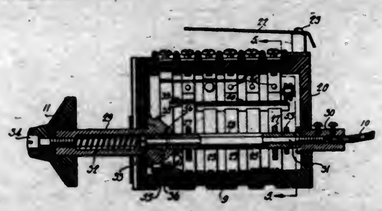
2,424,411
PRODUCTION OF NARROW CURVILINEAR NONELASTIC TAPE
John V. Moore, Pawtucket, R. I., assignor to Moore Fabric Company, Pawtucket, R. I., a corporation of Rhode Island
Application May 27, 1946, Serial No. 672,635
1 Claim. (Cl. 139—384)



The method of weaving narrow curvilinear non-elastic zipper tape which consists in supplying non-elastic regular warp threads faster and with closer spacing at the convex edge of the tape to be woven, supplying a relatively shorter and thick non-elastic cord warp adjacent the concave edge of the tape and from a separate source of supply, supplying special non-elastic warp threads from a third source of supply to form a tube for said cord warp, taking up the woven tape faster along the convex edge, and inserting wefts which are increasingly spaced apart toward the convex edge of the tape by the more rapid feed and more rapid take-up of the regular warp threads at said convex edge.

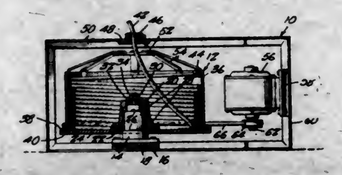
2,424,412
ELECTRICAL SURFACE COOKING APPARATUS
Joseph W. Myers, Philadelphia, Pa., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 11, 1942, Serial No. 468,692
5 Claims. (Cl. 219—37)

3. Apparatus for adjusting a thermostatic control device on an electric range by means of a rotatable control knob, and for effecting proper correlation between said device and said knob without disturbing the angular position of the knob, comprising a rotatable drive shaft connected to said device to adjust the same, a hollow shaft operatively connected to said knob for rotation thereby, means providing a friction drive between said hollow shaft and said drive shaft,



and an adjustment element disposed within said hollow shaft and secured to said drive shaft, said control knob having an opening therein for access to said element to rotate the latter while holding said knob stationary, whereby said drive shaft may be rotated relative to said knob to effect the desired correlation between said device and said knob.

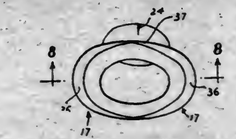
2,424,413
REEL CONSTRUCTION
Bruce G. Nelson, Tacoma, Wash.
Original application October 19, 1942, Serial No. 462,569. Divided and this application February 3, 1944, Serial No. 520,937
2 Claims. (Cl. 15—104.30)



1. In a device of the class described, an elongated frame having end portions of different widths, a post rising from the bottom of said frame adjacent the inner end of the narrower portion thereof, a reel in the form of a hollow open topped body mounted for rotation on said post, said reel body having an impervious flat circular bottom wall and a cylindrical side wall, an annular guide mounted on the top side of said frame, a spider supported on the top edge of said side wall, a second annular guide supported centrally of said spider and coaxially with respect to the first named guide and said post, a flexible element having substantial length adapted to be coiled about the inner side of said side wall, one end of said element being secured to said side wall and its other end trained outwardly through said guides, an electric motor mounted within the wider portion of said frame with its rotor shaft vertically disposed, and a driving connection between said rotor shaft and said reel body, the narrower end of said frame extending beyond the latter.

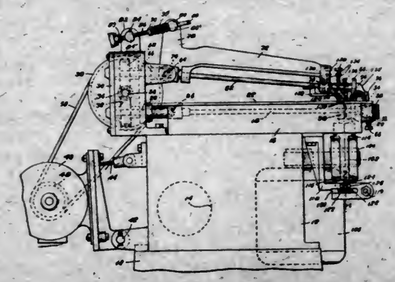
2,424,414
HAT PROTECTOR
Samuel P. Oppenheimer, New York, N. Y.
Application February 20, 1946, Serial No. 648,896
5 Claims. (Cl. 2—187)

1. A hat protector made of flexible sheet material and comprising a crown portion to receive the crown of a hat, and a brim portion to cover the top of the brim of a hat, and pockets extending from the brim portion of the protector to receive edge portions of the brim of the hat, said



pockets decreasing in size from an end of the protector toward the sides of the protector, said pockets having overlapping portions at the sides of the protector.

2,424,415
SOLE ROUGHING MACHINE
Angelo Perri, Groveland, Mass., assignor to Allied Shoe Machinery Corp., Haverhill, Mass., a corporation of Massachusetts
Application October 16, 1946, Serial No. 703,535
9 Claims. (Cl. 69—1)

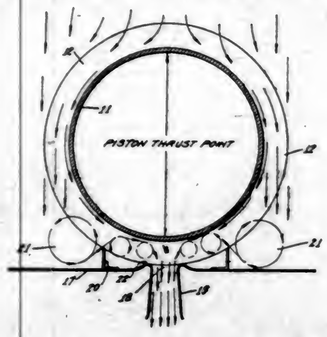


1. A roughing machine comprising a work support having an opening therethrough at the roughing position, a rotary roughing member mounted on an axis generally perpendicular to the work support and operating in said opening in the work support for engaging and roughing the under surface of work resting on the support, a pair of coacting feed wheels mounted on angularly related axes and arranged for engaging a marginal region of the work, means driving the feed wheels in opposite directions for advancing the work past said roughing member, and a pair of guides for engaging edge portions of the work and arranged for guiding the course of the work, said roughing member rotating in direction to constantly urge the work edgewise against at least one of said guides.

2,424,416
ENGINE COOLING SYSTEM
Marcel Piry, Farmingdale, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Application January 6, 1944, Serial No. 517,188
7 Claims. (Cl. 122—171)

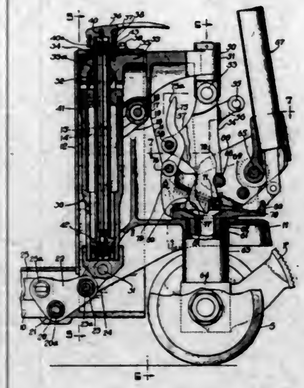
7. In an internal combustion engine having at least one cylinder provided with cooling fins, the combination of means for conducting a stream of air under pressure to one side of said cylinder, baffle means at the other side of said cylinder having an opening therethrough having edge portions substantially in contact with the outer edges of said fins for guiding said air stream over said fins, and additional baffle means disposed on opposite sides of said opening and be-

tween said opening and said air stream conducting means and projecting inwardly toward and having free edges substantially in contact with



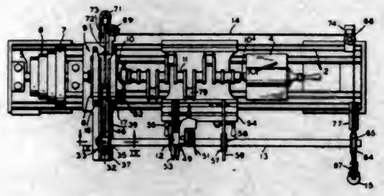
said fins for intercepting said stream to create turbulence in the air flowing over and between said fins.

2,424,417
LIFT TRUCK
George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application January 29, 1944, Serial No. 520,185
21 Claims. (Cl. 254—2)



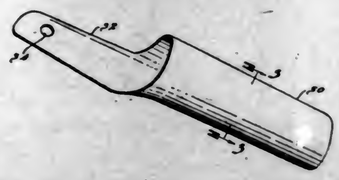
6. In a truck of the class described, a lifting head, an elevating platform, means mounting said elevating platform for elevating movement relatively to said lifting head, a part of said elevating platform overhanging a part of said lifting head, a lifting strut pivoted on said overhanging part and extending downwardly toward said lifting head, a lifting lever pivoted on said lifting head for vertical swinging movement, thrust means movable with said lifting lever for engaging said strut and for applying lifting thrust thereto to elevate said elevating platform, a lever pivoted on said lifting head and spring rotated relatively to said strut, a portion of said lever at one side of its pivot contacting said strut when said elevating platform is in its lowered position whereby to press said strut toward said thrust means, and a portion of said lever at the other side of said pivot contacting said strut when said elevating platform is raised whereby to press said strut away from said thrust means.

2,424,418
METALLIZING MACHINE
Robert Rory, East Greenwich, R. I.
Application August 2, 1945, Serial No. 608,587
13 Claims. (Cl. 91—12.2)



11. In a machine for projecting a jet upon a body rotating in an orbit, a jet projector, a support, said projector being adjustable along said support lengthwise of the axis of said orbit, spaced crossheads in which said support is rotatably mounted, means for reciprocating one crosshead and simultaneously swinging said support, said means comprising a connecting rod and crank unit, said crank unit comprising a pair of coaxially mounted discs, a center mounted on one of said discs, and a crank pin connecting said discs, said crank pin being adjustable radially of said discs, and means actuated by the reciprocation of said last-mentioned crosshead for imparting the same reciprocation to the other crosshead.

2,424,419
ACCESSORY FOR FISHING RODS
Leonard J. Rosa, Detroit, Mich.
Application June 23, 1945, Serial No. 601,222
8 Claims. (Cl. 43—33)

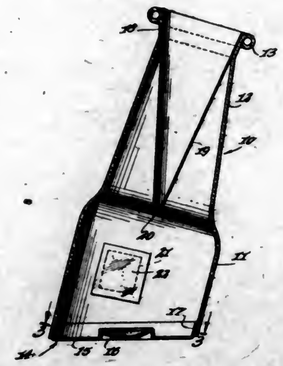


4. An accessory for a fishing rod, reel and line assembly comprising an open ended container of a size to receive the butt end of the rod therein and an extension element secured at one end to the open end of said container, said extension element having means at the free end thereof for engaging the handle of the reel and one of said elements being of longitudinally elastic character.

2,424,420
SOLVENT EXTRACTION OF ORGANIC SULPHONYL HALIDES
John Ross, Ramsey, and Dwight James Potter, Allendale, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 25, 1942, Serial No. 436,120
14 Claims. (Cl. 260—543)

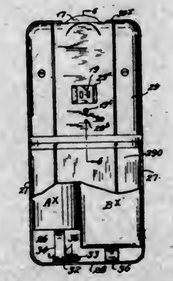
1. The process which comprises reacting an organic compound having a saturated hydrocarbon radical of at least five carbon atoms with admixed sulphur dioxide and chlorine and removing sulphonyl chlorides formed during the reaction from the reaction mixture with a selective solvent for the sulphonyl chlorides.

2,424,421
INSECT TRAP
William C. Temme, South Amboy, N. J.
Application November 24, 1945, Serial No. 630,621
3 Claims. (Cl. 43—121)



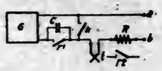
1. An insect trap comprising an elongated hollow tube-like body open at the top and bottom, the plane of the bottom peripheral edge of said body lying at other than a right angle with respect to the axis of the body thereby causing said body to lean when set upon a horizontal surface, a disc like closure having means for securing the same to said bottom peripheral edge, and a hollow cone open at both ends, the wider end of said cone being of greater diameter than the least diameter of said body, said cone being positioned in said body with the narrower end downward and the upper end registering in and being seated within said least diameter of the body.

2,424,422
HEARING AID APPARATUS
Raleigh E. Tresise, Cleveland Heights, and Paul D. Kendall, Maple Heights, Ohio, assignors to Paraphone Hearing Aid, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 12, 1943, Serial No. 490,612
11 Claims. (Cl. 179—107)



8. An apparatus of the character described comprising a casing having relatively fixed and movable sections, the said sections, when united, forming a complete casing and having jointly front and rear walls, top and bottom walls and side walls, a chassis of insulating material having hearing aid elements on opposite sides thereof and located in the upper portion of said casing and extending longitudinally of said casing with its bottom spaced from the bottom of said casing, and contacts carried by the lower end of said chassis and the lower portion of the said casing respectively for the reception of power supplying units.

2,424,423
CONTACT DEVICE FOR CALLING DIALS
Otto Tschümi, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application May 12, 1944, Serial No. 535,300
In Switzerland May 21, 1943
2 Claims. (Cl. 179—81)



1. In a contact device for calling dials of a speaking unit, two springs forming a contact for shortcircuiting the speaking unit, a pin between said springs adjusted to keep said contact open, and a means for actuating the said pin to close the contact at most a short time during the advance movement and during the whole return movement of the calling dial.

2,424,424
POLYALCOHOLS CARRYING ETHER LINKAGES AND PROCESS FOR PREPARING THE SAME
Howard C. Woodruff, New York, N. Y.
No Drawing. Application July 29, 1944, Serial No. 547,295
4 Claims. (Cl. 260—97)

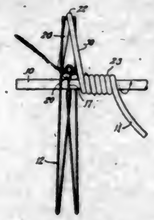
2. A new alcohol consisting of a pentaerythritol nucleus, two carbons of which carry unchanged hydroxyls, and two carbons being linked through oxygen to two glycerine nuclei the remaining carbons of which carry ester groups consisting of the acid nucleus of maleic-anhydride-modified-rosin.

2,424,425
EGG SHELLER
Jake Yates, Paso Robles, Calif.
Application January 17, 1944, Serial No. 518,577
4 Claims. (Cl. 146—2)



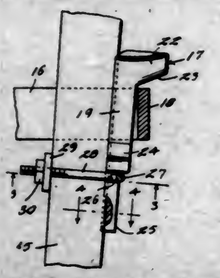
1. In an egg sheller of the character described, telescopic, hollow, open-ended, complemental sections having cooperatively opposed, aligned and endwise spaced-apart cushion seat rings to receive therebetween a cooked egg the shell of which has been previously broken and with one end of the egg protruding from one of said sections, means detachably connecting the sections endwise together, and means connecting the other section to a faucet of a water or fluid pressure system.

2,424,426
COILING MEANS FOR MAKING ELASTIC COIL STRUCTURES
Ralph J. Arnold, Western Springs, Ill., assignor, by mesne assignments, to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois, and to Ralph D. Collins, Beverly Hills, Calif.
Application August 25, 1944, Serial No. 551,245
3 Claims. (Cl. 18—6)



1. Means for making elastic coil cables comprising a vulcanizable material and embodying a mandrel, a spring clip device clipped to the mandrel by movement transverse thereto and bent to form an outer closed elongated loop having two ends, one end of the device having a re-entrant portion directed inwardly and then slightly enlarged at its inner end to provide an open inner spring loop adjacent the center of the device to grip the mandrel, said inner spring loop having a continuation formed into a coil to provide a torsion spring and the other end of the device being formed to receive the cable thereon spaced from the mandrel and said torsion spring, the re-entrant portion of the device being longer than the remaining portion of the device for balancing effect when a portion of the cable is carried thereon and the mandrel is rotated to coil another portion of the cable thereon, said clip being adapted to hold the portion of the cable thereon substantially fixedly with respect to the mandrel during vulcanization of said material.

2,424,427
PICKER STICK STRAP LUG
Alvin N. Ayers, Asheville, N. C., and Liday Elury Hamilton, Sr., Atlanta, Ga.; said Ayers assignor to said Hamilton
Application August 23, 1946, Serial No. 692,682
1 Claim. (Cl. 139—154)



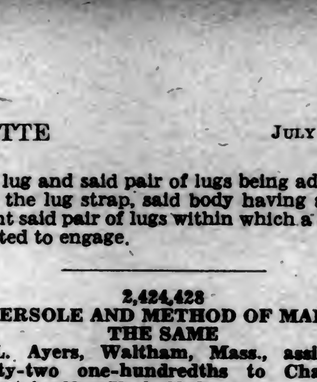
A picker stick holder comprising an elongated body formed in one side thereof with a lengthwise channel within which the stick is adapted to engage, a lug projecting from said body oppositely from said channel and a pair of laterally projecting lugs carried by said body in spaced relation to said first lug and disposed between the ends of said body, the space between said first named lug and said pair of lugs being adapted to receive the lug strap, said body having a groove adjacent said pair of lugs within which a U clamp is adapted to engage.

2,424,428
INNERSOLE AND METHOD OF MAKING THE SAME
Fred L. Ayers, Waltham, Mass., assignor of twenty-two one-hundredths to Charles G. Keferstein, New York, N. Y.
Application March 7, 1944, Serial No. 525,337
6 Claims. (Cl. 36—22)



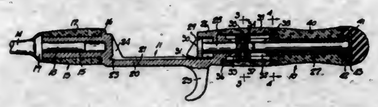
1. An innersole comprising a blank, a reinforcing strip secured to one face of said blank around at least its forepart, said reinforcing strip and blank being outwardly channeled to form an inwardly inclined lip, and a second reinforcing strip cemented to said blank beneath said lip and substantially filling the space previously occupied by said lip, the margin of said innersole presenting the full thickness of said blank and said first-mentioned strip.

2,424,429
LOCKING DEVICE
Paul E. Bamberg, Knoxville, Tenn., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn., a corporation of Tennessee
Application June 4, 1946, Serial No. 674,365
In Canada August 16, 1945
5 Claims. (Cl. 214—75)



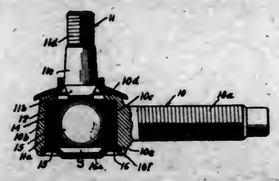
1. A device for locking a removable body to a support on a vehicle of the type provided with elevating mechanism for moving said body into and out of position for transportation on said vehicle, comprising a member mounted to move into and out of locking engagement with a surface on said body, means operated solely by the elevating mechanism in one direction for effecting movement of said member into locking position after said elevating mechanism moves said body into its position on the support and spring means tensioned by said movement of said last named means and operable upon movement of said elevating mechanism in the opposite direction but before said elevating mechanism moves said body out of its position on the support for effecting movement of said member out of said locking position.

2,424,430
FISHING ROD
Raymond H. Beyer, South Bend, Ind., assignor to South Bend Bait Company, South Bend, Ind., a corporation of Indiana
Application June 27, 1945, Serial No. 601,770
6 Claims. (Cl. 43—22)



4. In a fishing rod, a unitary member adapted to be secured to the end of a rod and including a reel seat portion and a socketed handle portion, a reel seat locking member having a part mounted in said handle portion, a rotatable hand grip part and a stationary hand grip part each mounted on said handle portion, and advancing means carried by said locking member and having screw threaded connection with said rotatable hand grip, said handle portion having a longitudinal slot and said advancing means including a part slidable in said slot.

2,424,431
JOINT
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 16, 1944, Serial No. 558,834
6 Claims. (Cl. 287—85)



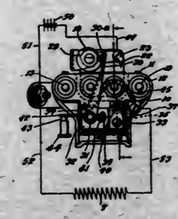
4. A ball and socket joint comprising a ball ended stud, a first rubber ring having a thermoset resin-impregnated fabric liner therein defining a localized ring seat intermediate its ends for the top portion of the ball end of the stud, a second rubber ring having a thermoset resin-impregnated fabric liner therein defining a localized ring seat intermediate its ends for the bottom of the ball end of the stud, and a housing and closure assembly radially and axially loading said rubber rings to deform the liners without damaging the therein contained resin into fuller bearing contact with the ball end of the stud.

2,424,432
VANITY CASE
Richard Bower, Flushing, N. Y.
Application October 20, 1945, Serial No. 623,599
1 Claim. (Cl. 240—6.45)



A housing including a tubular barrel having one end sealed and the other end open, said barrel having an opening through the top thereof intermediate its length, a battery cell slidably mounted in said barrel with one terminal thereof adjacent said sealed end, a second battery cell slidably mounted in said barrel with one terminal end thereof adjacent said open end, a spider slidably mounted between said cells and a coiled spring slidably mounted between said spider and one of said cells, said spider having a bulb receiving socket therein adapted to have a light bulb secured therein, a screw cap covering said open end of the barrel, said barrel, said cap, said spring and said spider being of conducting material, said spider having longitudinal fingers adapted to engage the terminal base of said first-named cell, said spring normally urging said spider and said second named cell apart, said screw cap having means for forcing said second-named cell against said spring into contact with the tip terminal of said bulb to close the series circuit between said cells and said bulb and ground to energize said bulb, said barrel having a cylindrical tube rotatably mounted thereon intermediate the length of said barrel and surrounding said barrel opening, said tube having an opening therethrough of substantially the dimensions of said barrel opening and being adapted by rotation of said tube to vary the degree of illumination emanating from said bulb through said barrel opening.

2,424,433
THERMOSTATIC CONTROL
Leslie M. Brown, East Hartford, Conn., assignor to The Silex Company, Hartford, Conn.
Application February 8, 1944, Serial No. 521,508
7 Claims. (Cl. 200—138)

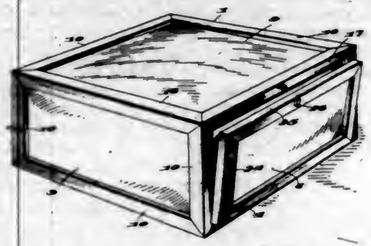


1. A thermostatic circuit control of the character described comprising a frame, a stationary contact member, an adjustable member, a rocker arm pivotally mounted on said adjustable member, an electrical contact point on said rocker arm, thermally responsive means for operating said rocker arm, and cam means for operating said adjustable member to move the pivotal point of said rocker arm and thereby adjust the position of said contact point relative to said stationary contact member.

2,424,434
HEAT INSULATED RECEPTACLE
William H. Bucknell, Norwalk, Conn., assignor of one-half to Anita R. Bucknell, Norwalk, Conn.
Application November 9, 1944, Serial No. 562,692
6 Claims. (Cl. 220—15)

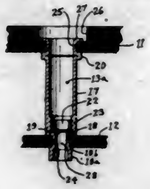
1. A heat insulated receptacle comprising a plurality of walls and a hinged door, each of said walls including a pair of substantially rigid spherically curved convexo-concavo metal plates wherein the concave sides of the plates face each other, laterally spaced means respectively con-

necting adjacent edges of corresponding plates of adjoining pairs and the edge portions of the plates of each pair being arranged in spaced relation, and insulating members interposed between said laterally spaced means and said plates, the space



between each pair of plates being in open communication with the space between adjoining pairs of plates and the pressure therein being substantially less than atmospheric pressure, said reduced pressure forcing the edges of said plates laterally against said insulating members.

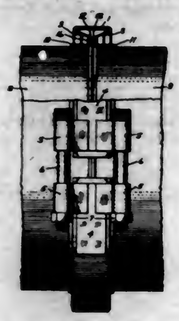
2,424,435
ELECTRIC SOCKET
Edward T. Collins, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 31, 1944, Serial No. 520,514
8 Claims. (Cl. 173—328)



1. A socket for electrical devices comprising a tubular body having a reduced hollow neck portion at one end with a connecting shoulder, a circumferential outwardly projecting bead adjacent the open end of said body, and a cup-shaped plug member received in the hollow of said body and having its base end seated against said shoulder as a means of sealing the hollow of said body from the hollow of said neck.

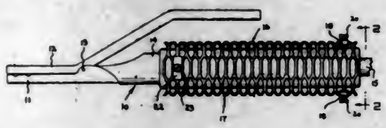
2,424,436
PIPE COUPLING
Wilbur D. Crater, Peabody, Mass., assignor to General Electric Company, a corporation of New York
Application April 13, 1945, Serial No. 588,132
6 Claims. (Cl. 285—129)

1. A re-usable quick-detachable coupling for two pipe sections having circumferential flanges at the abutting ends, comprising a split clamp band assembly including two parallel axially spaced annular rows of resilient finger portions, each finger making an acute angle with the plane of the band and each having an end portion in axially spaced opposed relation to the end portion of a corresponding finger in the other row, and adjustable securing means associated with the ends of the clamp band and arranged to produce hoop tension in the band so that the end portions of the fingers in the two rows can be forced axially against the respective outer faces of the



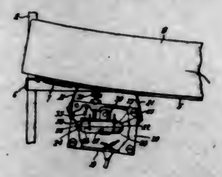
pipe flanges to clamp the flanges tightly together by toggle action of the fingers.

2,424,437
WELDER'S HEAT GUARD
Wallace R. Dent, Chicago, Ill.
Application September 13, 1945, Serial No. 616,035
2 Claims. (Cl. 16—116)



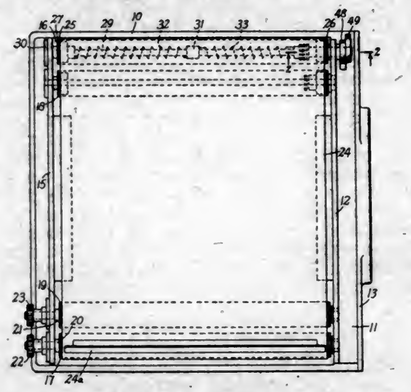
1. A heat dissipating grip for welding tools comprising a tube of foraminous material possessing high thermal conductivity, internally screw threaded nuts secured adjacent opposite ends of the grip and screws entering the nuts and adapted to engage the handle of a welding tool to hold the grip thereon in spaced concentric relation therewith.

2,424,438
PROTECTIVE SYSTEM FOR ELECTRIC BLANKETS
John W. Downie, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1944, Serial No. 561,363
4 Claims. (Cl. 219—20)



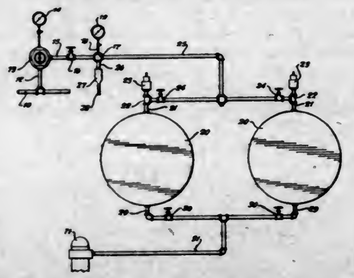
1. In combination, a bed, an electric heating member for heating a person reclining on said bed, said heating member having a heating circuit, safety switch means connected in said circuit to control said heating member operated to close said circuit by the loading of said bed due to the weight of a person reclining thereon, and to open said circuit in response to the unloading of said bed, and time-delay means controlling said switch to delay the opening of said circuit so that said circuit can be closed to heat said bed for a predetermined time interval by loading said bed momentarily and then unloading it.

2,424,439
FOCAL-PLANE SHUTTER
Irving W. Doyle, Massapequa, and Carl V. Johnson, Kew Gardens, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application May 17, 1945, Serial No. 594,346
9 Claims. (Cl. 95—57)



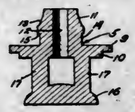
1. In focal plane shutter construction, in combination, a casing, spaced curtain rolls rotatably mounted in said casing, a curtain having its ends fastened respectively to said rolls, driving means associated with one of said rolls for drawing said curtain from the other of said rolls, and additional driving means coaxial with said first-mentioned driving means and selectively connectable with said one roll for moving said curtain at a higher velocity.

2,424,440
AIR PRESSURE SYSTEM FOR MULTIPLE TANK FUEL FEED DEVICES
Hugh E. Duffy, Chillicothe, Ohio
Application August 14, 1945, Serial No. 610,830
1 Claim. (Cl. 158—36.5)



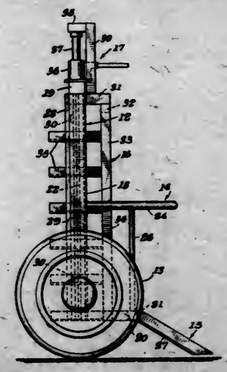
In a fuel system for a motor driven vehicle having a carburetor; a pair of fuel tanks each closed to atmosphere, a fuel discharge pipe leading from the bottom of each fuel tank to a common line leading to the carburetor of the vehicle, a valve in each pipe to arrest the flow of fuel from a tank into the fuel line, a branch pipe leading from the top of each tank to a common air supply pipe, a pressure relief valve in each branch pipe, a cut-off valve in each branch pipe, a coupling in said air supply pipe, a pressure gage connected to the coupling, a check valve connected to the coupling to which a hand pump may be connected to supply air to the air supply pipe, a pressure reducing valve at the end of the air supply pipe opposite that connected to the branch pipes, a high pressure air supply pipe connected to the pressure reducing valve and to a source of high pressure air and a pressure gage connected to the high pressure air supply pipe.

2,424,441
WATER DISTRIBUTING FERRULE FOR VERTICAL TUBE HEAT EXCHANGERS
Eugene A. Edmonds, Louisville, Ky., assignor to Henry Vogt Machine Co., Louisville, Ky., a corporation of Kentucky
Application September 6, 1944, Serial No. 552,919
3 Claims. (Cl. 138—38)



1. Distributing ferrule for the water tubes of vertical tube heat exchangers, comprising a disk peripherally rabbeted to provide a flange adapted to seat on the tube end, and a portion of smaller diameter below said flange adapted to freely seat within the tube for centering the ferrule, a nozzle of less diameter than said disk projecting upwardly from the central portion of said disk coaxial therewith, having a lower cylindrical portion adjacent said disk, an intermediate cylindrical portion of slightly greater diameter than said lower portion so as to overhang said lower portion, and an upper upwardly convergent portion terminating in a plane perpendicular to the axis of said disk, said nozzle and disk having a coaxial bore of small uniform diameter extending therethrough, a baffle beneath the lower end of said portion, spaced therefrom, having an upper liquid distributing surface descending uniformly on all sides from a peak in the axis of said bore, and having a coaxial circular periphery of smaller diameter than the lower portion of said disk, and a post supporting said baffle connected to said disk and to the upper side of said baffle at an intermediate point in its surface, leaving an area of said surface about its peak, and an area about its margin, unobstructed throughout the circumferential extent of said areas.

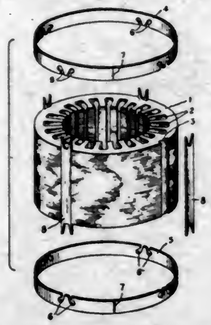
2,424,442
HANDCART FOR MOLDED BLOCKS
Edwin C. Elsner, Burbank, Calif., assignor of one-half to Joseph W. Schulze, North Hollywood, Calif.
Application April 25, 1946, Serial No. 664,930
9 Claims. (Cl. 214—65.2)



1. A truck comprising a relatively fixed frame having guides, a pair of wheels supporting said

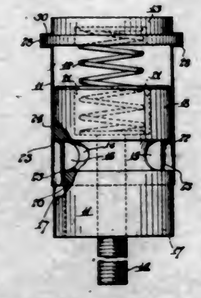
frame, a pair of spaced members mounted for movement in the guides of the fixed frame, pairs of spaced supports on the movable members for articles, and means connecting the frame and spaced members to move the movable members downwardly with respect to the fixed frame, whereby said articles are deposited in a stacked pile one upon the other.

2,424,443
DYNAMOELECTRIC MACHINE
Bernard C. Evans, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 6, 1944, Serial No. 566,834
7 Claims. (Cl. 171—252)



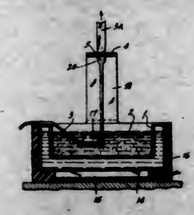
1. A stationary member for dynamoelectric machines comprising an annular magnetic structure with a plurality of longitudinally extending grooves in the outer periphery thereof, and a frame around said magnetic structure comprising end rings arranged on each side of said magnetic structure in engagement therewith and having the ends thereof welded together, and means including longitudinally extending ribs arranged in said grooves with the outer surface thereof substantially even with the outer periphery of said core and secured to and extending between said end rings for securing together said end rings and retaining said magnetic structure in assembled relationship.

2,424,444
SPRING BINDING POST
Benjamin Fox, Philadelphia, Pa., assignor, by mesne assignments, to Hugh H. Edy, Fort Wayne, Ind.
Application August 23, 1943, Serial No. 499,673
1 Claim. (Cl. 173—259)



A binding post comprising a relatively stationary base having a transverse bore and a circumferentially extending groove substantially U shaped in cross section of a depth appreciably greater than its dimension axially of the base intersecting at least one end of the bore to form an upper substantially planar surface against which a wire in the bore can be forced for gripping purposes, said base having an axially extending surface groove extending from the end of the bore toward the lower end of the base, a movable sleeve mounted on the base and having a pair of aligned holes each shaped at the lower end in a transverse straight edge, said sleeve having an indented rib generally U-shaped in transverse section extending from the hole to the end of the sleeve, with the straight edge of the hole forming a substantially planar upper edge of the rib in position to engage axially the said substantially planar surface as an anvil, whereby any size of wire that can be disposed in the registering holes and bore is clamped between the planar upper end of the rib and the planar upper surface of the base, and means for urging the base and sleeve in such relative axial directions as to cause such clamping action.

2,424,445
MACHINE FOR COATING AND OPENING FLEXIBLE TUBING
John Frier, Webster Groves, Mo.
Application February 25, 1943, Serial No. 477,093
1 Claim. (Cl. 91—32)



Means for coating and opening flexible tubing and wiping excess coating material therefrom comprising a bath of coating material, a wiper member having an opening through which the tubing passes and a spreader of dumbbell shape in said tubing, the enlarged portions of said spreader being above and below said wiper member respectively and the reduced middle portion thereof extending through said opening in said wiper member.

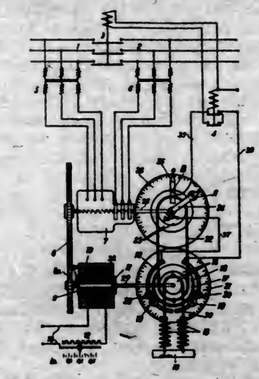
2,424,446
ELECTRIC LAMP OR THE LIKE
John W. Fulton, Cleveland Heights, and Alton G. Foote, Wickliffe, Ohio, assignors to General Electric Company, a corporation of New York
Application October 10, 1942, Serial No. 461,578
7 Claims. (Cl. 67—31)



3. A mount for an electrical device having an envelope with an otherwise open end, said mount comprising a one-piece cup-shaped base of insulating material for said open envelope end having a plurality of apertures in its bottom wall;

electric translation means with current leads therefor extending through the said apertures and having end portions exposed at the outer side of the base as contact terminals, and embodying shoulders externally engaging against the base to prevent inward displacement of the leads through the base; and a coating of organic plastic fused and adherent to the interior of said base and to said leads, and forming fused seals securing said leads in the base apertures and constituting the sole attachment of said leads to said base.

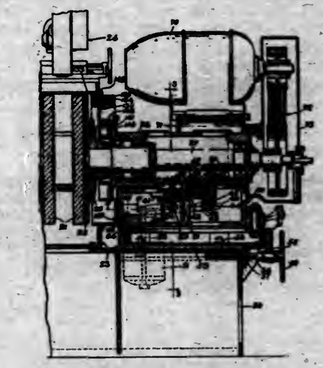
2,424,447
APPLIANCE FOR CLOSING A SWITCH FOR PARALLEL CONNECTION OF TWO NETWORKS OR A NETWORK WITH INCOMING GENERATOR
Andreas Gantenbein and José Jäckle, Zurich, Switzerland, assignors to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland
Application February 2, 1945, Serial No. 575,842
In Switzerland November 19, 1943
11 Claims. (Cl. 171—118)



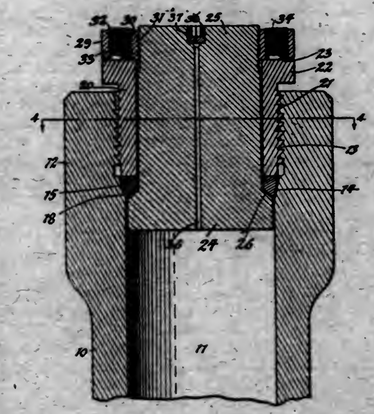
1. In a device for closing an electric switch for connecting two alternating current networks in parallel, a shaft rotating with a speed corresponding to the difference in frequency between the two networks, an electric contact radially spaced from said shaft and carried by a member fixedly secured to said shaft, a second electric contact arranged in the path of movement of the first mentioned contact, electric circuit means connected with said two contacts and adapted to cause said electric switch to close when said two contacts engage each other, and means for adjusting said second electric contact concentrically about the axis of said shaft in accordance with the frequency difference between said two networks, said means being actuated by said shaft and including a control device arranged in said electric circuit means for preventing the closing of said electric switch as long as the difference in frequency between the two networks exceeds a predetermined value.

2,424,448
GRINDING MACHINE
Ralph D. Gardner and Joseph Bohm, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois
Application August 6, 1943, Serial No. 497,654
15 Claims. (Cl. 51—111)

1. In a machine of the character described, the combination of feeding means for shifting a grinding machine element pawl and ratchet mechanism operable in a forward direction to actuate said feeding means, a hydraulic actuator having a reversibly movable actuator element for actuating said mechanism, spring means for urging said element in one direction and a hand-operated piston pump having a reversibly movable pump element for displacing fluid and having a closed connection with said actuator, said actuator and pump defining a sealed system containing a body of fluid shiftable by said pump element toward said actuator to move said actuator in opposition to said spring means, whereby movement of the actuator element will be in exact response to the hand movement of the pump element.



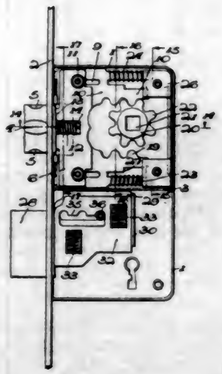
2,424,449
CLOSURE FOR HIGH-PRESSURE VESSELS
Fred Gasche, Titusville, Pa.
Application November 2, 1945, Serial No. 626,324
2 Claims. (Cl. 220—46)



1. A closure for a high pressure vessel having a tubular neck provided in its inner part with an annular shoulder and in its outer part with an internal screw thread, comprising a sealing ring engaging its periphery with said shoulder and provided on its inner side with an outwardly tapering conical seat, a tubular thrust nut having an external screw thread engaging with the in-

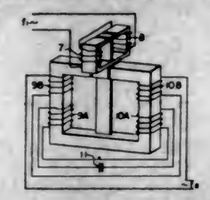
ternal thread of said neck and engaging its inner end with the outer side of said sealing ring, a cover having an inner head arranged within said neck below said sealing ring, an outer shank projecting outwardly from said head through said tubular thrust nut and provided at its outer end with an external screw thread and an outwardly tapering annular seat which engages the conical seat of said sealing ring, a locking nut arranged above said thrust nut and having an internal screw thread engaging with the screw thread of said shank, and a plurality of set screws working in threaded openings in said locking nut and bearing against the outer end of said thrust nut.

2,424,450
REVERSIBLE DOOR LOCK
Orestes Ghia, Montevideo, Uruguay
Application December 1, 1944, Serial No. 566,184
In Chile March 25, 1944
3 Claims. (Cl. 292—244)



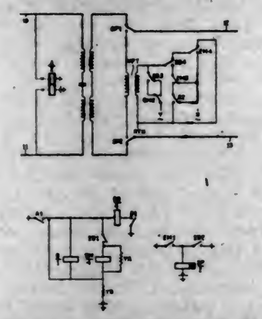
1. In a lock, a casing having front and back plates, a facing plate for said casing having a latch bolt aperture symmetrical with reference to the median plane of said casing which is parallel to and midway between said front and back plates, a latch bolt dimensioned to slidingly fit in said latch bolt aperture and having a striking external sloping face, the internal face of said latch bolt opposite said sloping face being provided with a longitudinal slot parallel to and equally spaced from the edges of said internal face which are parallel to the front and back plates of said casing, a latch plate adapted to fit in the slot in said latch bolt and slidable in said casing, removable retaining means for removably holding said latch plate in said slot in said latch bolt, a knob spindle hub, actuating means movable within said casing and actuatable by said hub and connected and adapted to slidingly displace said latch plate and latch bolt perpendicularly to said facing plate, and being arranged to maintain said latch plate symmetrical with reference to said median plane of said casing parallel to and midway between said front and back plates of said casing, resilient means for normally maintaining said latch bolt projected said actuating means being an actuating plate member having bayonet portions, and a guide member held between said front and back plates of said casing and provided with slots parallel to but unequally spaced from said front and back plates and adapted to slidingly receive said bayonet portions.

2,424,451
FREQUENCY CONVERTER
Gabriel M. Giannini, West Los Angeles, Calif., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 21, 1944, Serial No. 546,035
10 Claims. (Cl. 172—281)



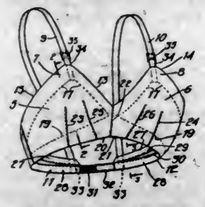
2. A frequency reducer adapted to be energized by a source of alternating current comprising a magnetic core including an air gap, means for producing a unidirectional flux in said core, a first vibratory element having a magnetic armature located in said air gap, a second vibratory element coupled to said first element and having a natural frequency of vibration which is an integral multiple of that of the first element, electromagnetic means for driving said second element at its natural frequency, said elements being so coupled as to cause the first element to vibrate at its natural frequency when the second element is so driven, and a winding on said magnetic core in which an alternating voltage is induced by the pulsations in said unidirectional flux caused by vibration of said magnetic armature.

2,424,452
VOICE FREQUENCY AND DIRECT CURRENT IMPULSE REPEATING SYSTEM
Charles Gillings and Charles Edmund Beale, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 8, 1944, Serial No. 567,230
In Great Britain February 23, 1944
11 Claims. (Cl. 179—16)



1. In a telephone system, a first line over which speech currents and series of direct current impulses representing digits are at times received, second and third lines associated with said first line so as to form a speech signal transmission channel, means responsive to a series of direct current impulses received over said first line for transmitting a corresponding series of voice frequency impulses over said second line, the number of said voice frequency impulses differing from the number of said direct current impulses in a predetermined manner and the nature of certain of said voice frequency impulses, occupying particular positions in the series thereof, being different than the other voice frequency impulses included therein, and means responsive to said series of voice frequency impulses transmitted over said second line for transmitting a corresponding series of direct current impulses over said third line, whereby the risk of transmitting false direct current impulses over said third line in response to speech currents received over said first line is reduced.

2,424,453
BRASSIÈRE
Jack Glick, Bronx, N. Y.
Application February 10, 1945, Serial No. 577,242
2 Claims. (Cl. 2—42)



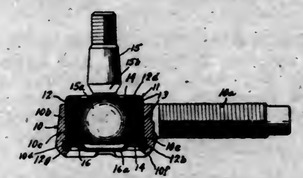
1. A garment of the class described comprising breast pockets, means supporting the pockets upon the body of a wearer, each pocket being formed from a single outer facing sheet, said facing sheet extending to form wide upper and lower hems, free edge portions of the hems being stitched to the facing sheet in wide spaced relationship to terminal upper and lower edges of the pocket in forming wide band portions at upper and lower edge portions of the pocket, and a dart in the lower portion of the pocket and the lower hem giving breast conforming contour to the pocket.

2,424,454
INFRARED GENERATOR
Newell T. Gordon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 25, 1944, Serial No. 555,669
1 Claim. (Cl. 176—122)



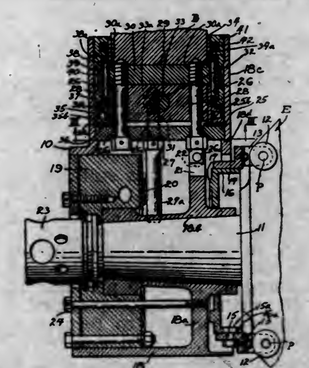
An infrared generator comprising the combination of a phosphor composition including copper-activated cadmium-zinc sulfide containing about 70 to 90 per cent cadmium sulfide and means for exciting said phosphor whereby a high proportion of infrared radiation is emitted thereby.

2,424,455
JOINT
Matthew P. Graham and James H. Booth, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 16, 1944, Serial No. 558,833
8 Claims. (Cl. 287—90)



3. A joint construction comprising an open-ended housing, an insert unit for said housing composed of a casing, bearing members, and a stud member, said casing having an outturned portion, and localized deformed parts on said housing thrusting against the casing to clamp the outturned portion of the casing against the housing.

2,424,456
PROPELLER MOUNTING
Mervil Hallead, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 27, 1944, Serial No. 565,337
1 Claim. (Cl. 170—173)



A blade mounting for a variable pitch propeller blade which comprises a cylindrical hub member having an internal shoulder and an internally threaded end portion, a thrust plate bottomed on said shoulder, anti-friction thrust bearings bottomed on said plate, a sleeve nut bottomed on said thrust bearings and having an internal recess open at the end remote from said thrust bearing, a cage of needle bearings seated in said recess, said sleeve nut having threaded engagement with the internally threaded end portion of said hub, a jam nut threaded in said internally threaded portion of the hub in jammed relation to the sleeve nut, a propeller blade having a pair of transverse bores therethrough in angular relationship and spaced at separate levels inwardly from the inner end thereof, metal rods seated in said bores each having a pair of transverse threaded holes therethrough, a sleeve surrounding said blade in bearing engagement with the needle bearings and having apertures receiving the ends of said rods whereby the sleeve is held against longitudinal movement on the blade, said blade having longitudinally extending holes

aligned with the threaded holes of said rods, and studs having head portions bottomed on the thrust plate together with shank portions extending through said longitudinally extending holes and threaded into the threaded holes of the rods whereby the thrust plate is anchored to the blade.

2,424,457
GASEOUS ELECTRIC DISCHARGE LAMP
Howard Haynes, Willoughby, and Lynn S. Ickis, Jr., East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application Sept. 30, 1944, Serial No. 556,559½
12 Claims. (Cl. 176—125)



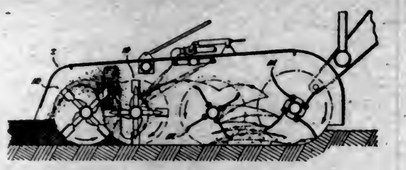
1. A gaseous electric discharge lamp comprising a sealed glass container containing spaced electrodes at least one of which is activated, said container being subject to uncontrolled fracture upon overheating at the activated electrode due to deactivation thereof, and means sensitive to such overheating and effective to cause introduction into the container, prior to such uncontrolled fracture thereof, of a gaseous material having a quenching effect upon the discharge.

2,424,458
EMULSIONS FOR PAINTING AND VARNISHING PURPOSES
Gustaf Bristol Heijmer, Enebyberg, Sweden
No Drawing. Application November 15, 1943, Serial No. 510,397. In Sweden December 12, 1942
7 Claims. (Cl. 260—22)

1. Water-in-oil emulsions suitable for use as varnishes and paints, the continuous phase of which comprises a component selected from a class consisting of tall resin oil and a fraction of tall resin oil consisting substantially of unsaponifiable oil-like matter, a film-forming vehicle containing at least 20 per cent by weight of drying oil and a sufficient quantity of water-insoluble organic solvents to form a brushable coating composition, the discontinuous phase consisting principally of water; said tall resin oil being the initial fraction, containing about 50 per cent of unsaponifiable oil-like matter and a balance mainly of fatty acids, obtained by acidifying and distilling in vacuum the sulfate soap of the sulfate pulp process.

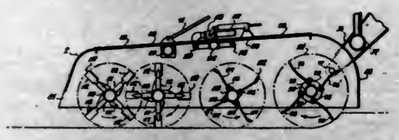
2,424,459
AMBULANT SOIL TREATING APPARATUS
Henry C. Hettelsater, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 13, 1943, Serial No. 514,177
13 Claims. (Cl. 94—40)

1. In a soil treating unit adapted to excavate, pulverize and blend native soil in place the combination comprising a forwardly disposed rotative cutting means adapted to be advanced against a layer of soil in a direction opposite to the direction of travel of the part of said cutting means in engagement with the excavated tangent surface of said soil, a rearwardly disposed rotative target means positioned and conformed to sweep the said tangent surface of said excavated soil, and means for rotating said target means in a direction opposite to the direction of rotation of said cutting means and at a rate sufficient to impel material swept from said tangent surface and impinging upon said target means in the lower



parts thereof forwardly into said cutting means for pulverizing and blending and at a rate sufficient to toss rearwardly material returning from said cutting means and impinging upon said target means in the upper parts thereof.

2,424,460
INTERCEPTING ROTOR CONSTRUCTION
Henry C. Hettelsater, Whitefish Bay, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Original application December 13, 1943, Serial No. 514,177. Divided and this application December 11, 1944, Serial No. 567,697
2 Claims. (Cl. 37—189)



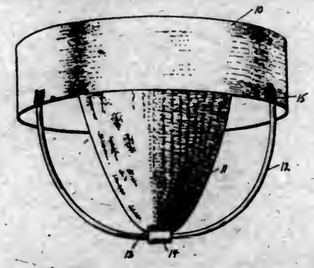
1. In a target rotor for an apparatus of the class described, the combination of a shaft having a hub portion and a plurality of angularly spaced radial vanes having their shanks mounted on said hub portion and extending throughout the length thereof, said vanes comprising a series of closely spaced separate yieldable tongues of substantially uniform width from their shanks to their outer free ends and having tips angularly deflected lengthwise of the width thereof.

2,424,461
ADJUSTABLE PROTECTION ROD FOR LOOMS
Harold Hoeber, South Dartmouth, Mass.; Barbara O. W. Hoeber and William T. Read, as executors of said Harold Hoeber, deceased, assignors to Textile Research Co., a corporation of Massachusetts
Application November 16, 1945, Serial No. 629,113
7 Claims. (Cl. 139—345)



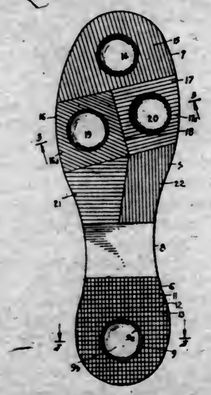
1. A protection rod for a loom comprising two parts, means for coupling said parts together comprising a member attached to one part and a member attached to the other part, an abutment carried by one member and means carried by the other member to engage said abutment and move the same rotatively about the axis of the rod.

2,424,462
SUPPORTER GARMENT
Raymond M. Hoey, Chicago, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application September 21, 1946, Serial No. 698,456
2 Claims. (Cl. 128—160)



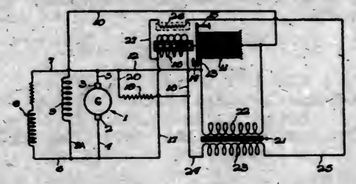
1. A compressive athletic supporter comprising an elastic waistband, an elastic pouch affixed along its upper portion to the front of said waistband and two segments of longitudinally extensible and elastic cord, constituted of a series of compact longitudinally extending elastic threads, permanently and non-detachably connecting the bottom portion of said pouch to the waistband and forming elastic leg straps for the supporter, said cord being substantially only as wide as it is thick so that the elastic threads of said cord bear substantially equal proportions of loads placed on said cord and a ten inch length thereof being extensible to from twenty-one to twenty-eight inches when subjected to the pull of fifty-five to eighty ounces of weight.

2,424,463
MULTIPLE ANTISKID RIBBED SUCTION SOLE FOR SHOES AND RUBBER FOOTWEAR
Elsie Claire Hogg, Elizabeth, N. J.
Application June 9, 1945, Serial No. 598,432
4 Claims. (Cl. 36—59)



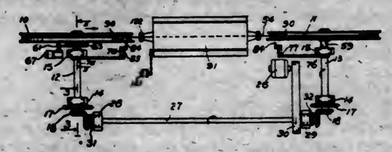
1. A skid resisting sole for shoes and rubber footwear, comprising a sole part and a heel part, the heel part having a suction cup provided with a circular rim having tread engagement with the ground and intersecting ribs providing a plurality of smaller suction cups of rectangular shape, and the sole part having a plurality of suction cups and skid resisting ribs between said suction cups.

2,424,464
ELECTRICAL REGULATOR
Charles Clinton Honeywell, New Milford, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 26, 1945, Serial No. 590,374
4 Claims. (Cl. 171—229)



1. In a regulating system for a generator of the type including a field winding for controlling a condition of the output of said generator, first means electrically connecting said field winding in series with a first variable resistance element, said first resistance element and field winding connected across the output of said generator, an electromagnetic winding, regulating means for said variable resistance element, said regulating means operatively controlled by said electromagnetic winding, a second resistance element, second means electrically connecting said electromagnetic winding and the second resistance element in series, said electromagnetic winding and second resistance element connected across the output of the generator; the combination comprising a transformer including a primary winding and a secondary winding, the primary winding connected across the variable resistance element, a resistor positioned adjacent said electromagnetic winding, said resistor having a greater temperature coefficient of resistance than said electromagnetic winding, said resistor connected in series with said secondary winding across the electromagnetic winding so as to compensate for changes in the resistance of said electromagnetic winding due to temperature and so arranged as to cause upon change in the resistance of said variable resistance element an electrical impulse to effect said electromagnetic winding so as to prevent hunting of the regulating means.

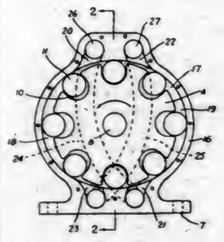
2,424,465
REEL DRIVE CONTROL FOR GRINDER MACHINES
Louis Ilmer, Cortland, N. Y.
Application July 23, 1943, Serial No. 495,948
10 Claims. (Cl. 242—54)



1. In a reeling system for expediting the reloading of a grinder machine adapted to abrasively treat successive batches of reelable stock, a pair of horizontal axles of which one axle is transversely sectionalized intermediate its ends by abutting parting faces of which one such has a straight-edged keyway sunk therein and the other face is provided with a registering projection adapted to seat between said edges to comprise a master section arranged to have one of several substitute sections interchangeably coupled thereto in axial tandem alignment with

said master section and which substitute sections respectively uphold thereon the hub of a stock carrying reel to constitute a bodily demountable spare unit, the other of said pair of axles being provided with a driven companion reel serving to transfer thereon the stock carried by any one of such interchangeably installed units and coupling means drawing said parting faces toward each other.

2,424,466
ROTARY ROLLER PUMP
Robert Edison Edouard Jessop, West Vancouver, British Columbia, Canada
Application June 26, 1944, Serial No. 542,086
1 Claim. (Cl. 103—136)

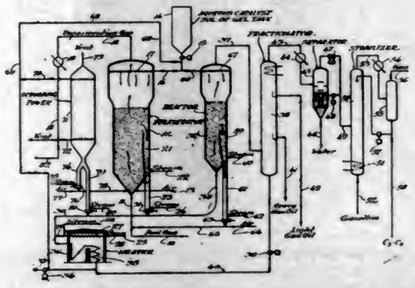


A rotary pump comprising in combination a cylindrical rotor having a plurality of peripheral recesses therein, a rubber composition roller in each recess with fluid freedom of movement inwardly and outwardly, the recesses in the periphery of the rotor being slightly less in depth than the diameter of the rollers, a shaft connected to the rotor, a casing having an elliptical inner wall enclosing the rotor spaced therefrom all the way around and defining therewith two pressure chambers, the walls of said chambers being engaged by the rollers under centrifugal force when the rotor is turned, said casing being formed with an inlet port at the inlet end of each pressure chamber and an outlet port in the other end of each pressure chamber, the two inlet ports and two outlet ports being respectively connected by passageways in the casing.

2,424,467
CATALYTIC CONVERSION AND CATALYST DRYING
Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 28, 1942, Serial No. 432,837
8 Claims. (Cl. 196—52)

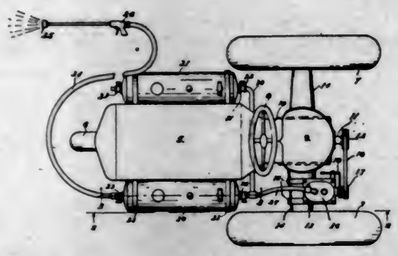
2. The method of dehydrating a hydrous synthetic catalyst of gel structure produced from an aqueous sol which method comprises preparing an aqueous catalyst sol which on standing would set into a solid gel and which contains at least 30 mols of water per mol of catalyst solid, and dispersing said catalyst before it reaches the solid state into a heated flowing fluid stream consisting essentially of combustion products, whereby particles of said hydrous catalyst are suspended in said stream, gelling said catalyst while it is suspended in said stream, dehydrating said gelled catalyst out of contact with restricting surfaces and under conditions to avoid connate internal stresses and to produce uniform heat-stable and catalytically active particles, and separating said dehydrated catalyst from said stream.

8. A process for the conversion of hydrocarbons which comprises flowing hydrocarbon reactants at reaction temperature in contact with a dense moving confined stream of solid catalyst of small particle size and employing in said process catalyst particles prepared by passing a hot gas through a drying zone of large cross-sectional area, dispersing in said drying zone a fluent mass



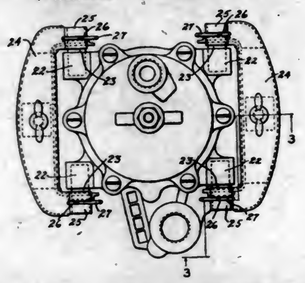
of synthetic catalyst material after it has reached a sol state and before it has reached a solid gel state, and passing said dispersed catalyst material downwardly through said gas in said drying zone to effect dehydration while said material is in gas suspension and out of contact with restricting surfaces whereby internal stresses are avoided in dehydrated catalyst particles and uniform catalyst particles are produced.

2,424,468
SPRAYING MACHINE
Emerson Orell Keathley, Tiptonville, Tenn.
Application November 30, 1943, Serial No. 512,385
1 Claim. (Cl. 299—40)



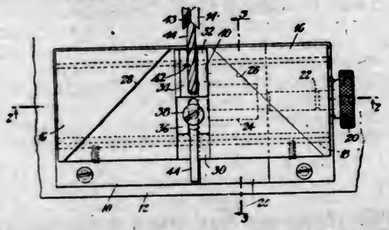
In combination with a farm tractor having a forward power plant and provided at the rear with a rear axle housing and a rearwardly projecting power take-off shaft; storage tanks for liquid to be sprayed rigidly mounted at opposite sides of said power plant and extending longitudinally thereof, a compressor mounted over the rear axle having a drive shaft, pulleys carried by the drive shaft and the power take-off shaft, a belt trained about said pulleys for transmitting rotary motion from the power take-off shaft to said drive shaft, said tanks having front outlets provided with shut-off valves and rear air inlets provided with shut-off valves, a pipe connecting the outlet of said compressor with the valve at the rear end of one tank, a branch pipe leading from the first pipe to the valve at the rear end of the other tank, and an outlet hose attachable to the outlet of either tank and provided at its outer end with a spray head.

2,424,469
PUMP MOUNTING
Alfred C. Korte, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 27, 1944, Serial No. 537,552
7 Claims. (Cl. 248—15)



1. Fuel pump mounting structure comprising spaced, resilient trunnions projecting from the pump body, a yoke having apertured extremities securely receiving said trunnions and maintaining them in position, a cradle having recesses for stably receiving said extremities, and securing means interposed between said extremities and engageable with said yoke and cradle.

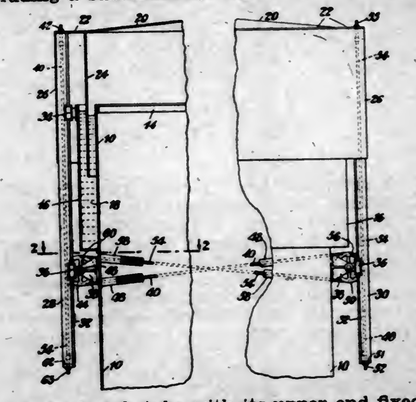
2,424,470
METHOD AND APPARATUS FOR POINT-GRINDING DRILLS
Konstantin Kronwall, Winnetka, Ill., assignor to United Drill & Tool Corporation, a corporation of Michigan
Application October 6, 1944, Serial No. 557,424
14 Claims. (Cl. 51—219)



2. The method of point grinding a twist drill having a pair of flutings and a pair of cutting edges, which comprises positioning the drill with respect to a rotating grinding wheel whose periphery includes grinding surfaces forming an included angle approximating that of the angle desired for the drill point so that the axis of the drill is substantially on an extended radius of the wheel passing through the vertex of said included angle and moving the drill toward the vertex of the grinding wheel and simultaneously rotating the drill on its axis at a rate correlated to the pitch of the flutings so as to maintain the flutings at the end of the drill in a predetermined relationship with respect to the plane through the vertex of said included angle.

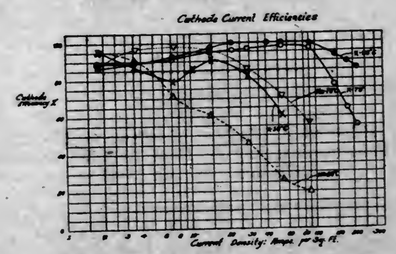
2,424,471
FLUID STORAGE APPARATUS
Wilbur G. Laird, Pleasantville, N. Y.
Application April 22, 1944, Serial No. 532,259
16 Claims. (Cl. 48—176)

1. In a storage apparatus for fluids including an upright cylindrical container provided with a vertically movable bell-type roof sealed with respect to the upper portion of the container wall, a plurality of cross-tubes each extending across the container and opening at each end through the container wall and being joined thereto by means of fluid-tight joints, a stabilizing means on the outside of the container for maintaining the roof in a substantially horizontal position including a substantially vertical beam adjacent



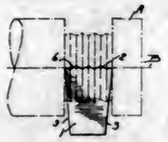
the end of each tube with its upper end fixed to the lift outside the container and extending down the side of the container, a movable member extending through each of said tubes, and means associated with and for operatively connecting said movable members to said beams, said stabilizing means being arranged to keep the roof in its normal path of movement with respect to the container.

2,424,472
TIN PLATING FROM POTASSIUM STANNATE BATHS
Frederick A. Lowenheim, Westfield, N. J., and Martin M. Sternfels, Waterbury, Conn., assignors to Metal and Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application August 12, 1942, Serial No. 454,504
9 Claims. (Cl. 204—54)



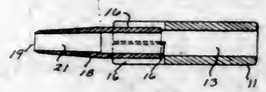
3. A process for the electrodeposition of metallic tin which comprises passing electric current from an anode to a cathode and through an electrolytic bath comprising essentially water, potassium stannate at a concentration between about 0.25 and about 3.0 mols per liter and free potassium hydroxide at a concentration between about 0.15 an about 3.5 mols per liter, maintaining the temperature of said bath within the range of about 70° C. to substantially the boiling point thereof, maintaining the cathode current density between about 30 to 1,000 amperes per square foot, and operating said process at a cathode efficiency of about 60 to 100 per cent.

2,424,473
CUTTING-OFF BLADE
John M. Luers, Mount Clemens, Mich., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich., a corporation of Michigan
Application November 8, 1945, Serial No. 627,418
3 Claims. (Cl. 29—95)



1. A cutting-off blade including a body having a preformed cutting surface extending along one edge face, said surface having a plurality of corrugations of uniform depth extending longitudinally thereof, the upper and the lower extremities of the corrugations each being in transverse alignment, the outer corrugations at each side being upwardly and outwardly inclined, and the end of the body being downwardly and inwardly inclined from one end of the cutting surface to form a cutting edge across its junction with that end of the cutting surface.

2,424,474
PUNCH
Peter MacGregor, Detroit, Mich., assignor to Ethel A. MacGregor, Detroit, Mich.
Application November 15, 1945, Serial No. 628,764
5 Claims. (Cl. 164—119)



1. A punch comprising a hollow shank having a split end with a portion of the opening therethrough adjacent said split end being of enlarged diameter forming an annular ledge, and a hollow sharpened punch member extending into said split end removably secured therein and seated against said ledge, said split portion extending into the portion of reduced interior diameter.

2,424,475
TRAY
Edward K. Madan, Maplewood, N. J.
Application January 11, 1946, Serial No. 640,661
8 Claims. (Cl. 211—41)



7. A tray made from a plurality of identical gridiron-like panels of molded thermo-plastic; each of said gridiron-like panels comprising side and end spaced cross bars, laterally extending flanges formed integrally with the side and end cross bars of the panels; one of said panels forming the longitudinally central portion of the bottom of the tray and having its cross bars bowed upwardly to form upwardly extending supports; and side and end-forming panels cemented to the opposite ends and sides of said central bottom-forming panel respectively.

2,424,476
RADIANT STEAM GENERATOR
Leonard J. Marshall, Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application December 27, 1943, Serial No. 515,713
2 Claims. (Cl. 122—478)



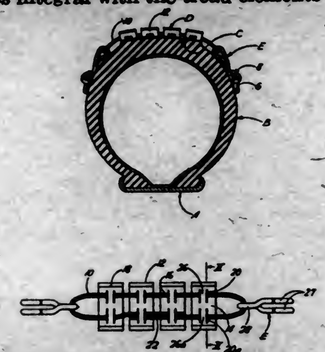
1. In a steam boiler, means forming a vertical furnace chamber having a substantially horizontal gas outlet passage leading to a vertical boiler offtake within the horizontal limits of the chamber at the upper part thereof; steam generating means consisting of heat absorbing water circulating tubes mounted on all of the furnace walls extending continuously from the bottom to the roof of the furnace certain ones of which continue beyond the furnace to face some of the walls of the outlet passage; means for burning fuel in said furnace; a convection superheater for heating the steam leaving the boiler disposed wholly within said outlet and thereby shielded from direct exposure to the radiant heat of the burning fuel in said furnace; the amount of steam generation surface comprising wall tubes in the furnace and outlet passage being sufficient to evaporate all of the steam required from the boiler.

2,424,477
PREPARATION OF HALOGEN SUBSTITUTED AMINOARYLSULPHONIC ACID DERIVATIVES
Henry Martin, Basel, Hans Heinrich Zaeslin, Riehen, near Basel, and Rudolf Hirt and Alfred Staub, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application February 4, 1943, Serial No. 474,730. In Switzerland December 24, 1938
2 Claims. (Cl. 260—509)

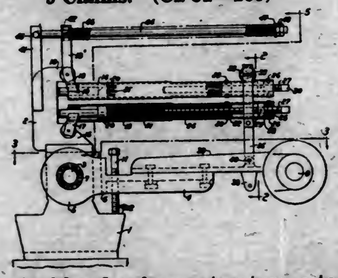
1. A process for the manufacture of a halogen substituted aminoarylsulphonic acid, comprising aralkylating 4-amino-4'-amyl-1,1'-diphenyl-ether-2-sulphonic acid by reacting the same with 2,3,4,6-tetrachlorobenzylchloride.

2,424,478
TIRE CROSS CHAIN
Robert C. Mason, Pittsburgh, Pa.
Application January 10, 1946, Serial No. 640,171
9 Claims. (Cl. 152—225)

6. A cross-chain for anti-skid chains for motor vehicle tires, comprising a flexible mounting cable bent into an endless configuration having a pair of spaced approximately parallel sides, a plurality of tread elements spaced along the mounting cable and spinning its parallel sides, and clamping ribs integral with the tread elements for frictionally clamping the tread elements to both of said parallel sides, the said clamping ribs reinforcing the tread elements against distortion during service.



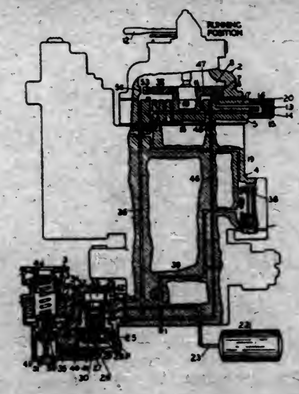
2,424,479
TOOLHEAD
Russell McCabe, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Michigan
Application May 24, 1946, Serial No. 671,925
9 Claims. (Cl. 51—166)



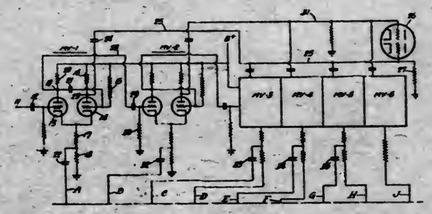
1. In a tool head, a frame structure, a tool arm pivotally attached thereto, a downwardly extending lever pivotally attached to said structure, a horizontal tube rigidly secured to said lever, a plunger extending through one end of said tube and engaging said structure, a spring in said tube and bearing against said plunger, means for adjusting said spring, and a connection suspended from said tube and pivotally attached to said arm.

2,424,480
FLUID PRESSURE BRAKE APPARATUS
Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 6, 1945, Serial No. 627,064
11 Claims. (Cl. 303—66)

1. In a fluid pressure brake apparatus including a brake pipe and a normally charged reservoir from which fluid under pressure may be supplied to said brake pipe, the combination of a feed valve device for controlling the supply of fluid under pressure from said reservoir to said brake pipe, said feed valve device comprising means which when subjected to fluid at brake pipe pressure functions to limit the pressure of fluid supplied from the reservoir to the brake pipe, and which when subjected to fluid at atmospheric pressure functions to supply fluid from the reservoir to the brake pipe without limitation, a brake valve having means therein which in release position of the valve establishes a communication through which fluid under pressure being supplied to the brake pipe also flows to the feed valve means, and means operative to cut off the flow of fluid to said feed valve means and to subject said feed valve means to fluid at atmospheric pressure.



2,424,481
ELECTRICAL SYSTEM
Claudius T. McCoy, Narberth, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1944, Serial No. 556,615
10 Claims. (Cl. 177—380)



8. In a system for producing a series of time-spaced impulses indicative of a predetermined code number, a plurality of pulse generators adapted to produce successive groups of pulses indicative of successive digits of the code number, switchable circuit means for modifying the operation of said generators so as to vary the spacing of the pulses and thus vary the digit-indicative groups to change the code number, and a plurality of digit selector switches arranged to control said switchable circuit means so as to establish a code number whose digits are determined by the settings of the respective switches.

2,424,482
SHOULDER PAD AND METHOD OF MAKING THE SAME
Bert Mechur and Walter Riedler, New York, N. Y.
Application February 8, 1946, Serial No. 646,250
17 Claims. (Cl. 2—268)

1. A shoulder pad, comprising a number of deformed resilient elements assembled in resili-

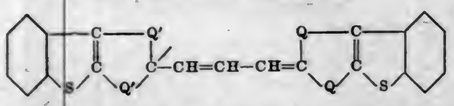
ently fixed positioned relationship to define a predetermined outline of the pad, one at least of said elements contacting several of the remaining ones and being directly bonded thereto, substantially both along the plane of symmetry of the pad and in a direction perpendicular to



said plane of symmetry, to maintain all of the elements in said resiliently fixed positioned relationship, said elements being made of a resilient material having the property of developing a permanent bond between contacting surfaces thereof when subjected to pressure and heat.

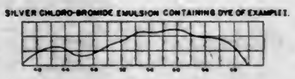
2,424,483
CYANINE DYE INTERMEDIATES, DYES, AND THEIR PREPARATION
Edmund B. Middleton, Woodbridge, and George A. Dawson, Stelton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 18, 1942, Serial No. 466,056
3 Claims. (Cl. 260—240)

1. The cyanine dyes which in one of their tautomeric forms have the formula

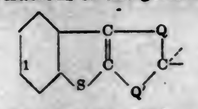


wherein one of the radicals Q is divalent sulfur and the other is pentavalent nitrogen, one of the radicals Q' is divalvent sulfur and the other is trivalent nitrogen, each of the nitrogen atoms have attached thereto an alkyl radical, the pentavalent nitrogen atom also having attached thereto the negative radical of an acid, and the free bond being attached to the latter nitrogen atom.

2,424,484
SILVER HALIDE EMULSIONS SENSITIZED WITH CYANINE DYES CONTAINING A BENZOTHIOPHENOTHIAZOLE NUCLEUS
Edmund B. Middleton, Woodbridge, and George A. Dawson, Stelton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1944, Serial No. 540,898
5 Claims. (Cl. 95—7)

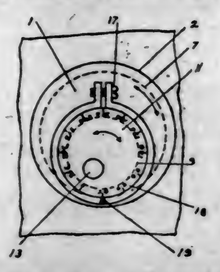


2. A photographic element comprising a support bearing at least one photosensitive stratum containing light-sensitive silver halide grains dyed with a cyanine dye containing a benzothiophenothiazole nucleus of the general formula:



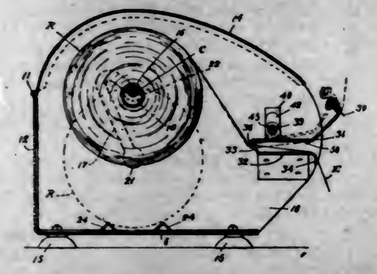
wherein the nucleus designated as 1 is a benzene nucleus, one of the Q's is a nitrogen atom and the other is a sulfur atom, and a 5 to 6 membered heterocyclic nitrogen nucleus, the heterocyclic nitrogen atom of which is linked through a conjugated chain of carbon atoms to a heterocyclic nitrogen atom Q of said benzothiophenothiazole radical through the mezo carbon atom of the heterocyclic nitrogen nucleus in said radical.

2,424,485
ADJUSTABLE JIG BUSHING
Harry A. Miller, Dundalk, Md., assignor to Thomas W. Maskell, Baltimore, Md.
Application July 3, 1944, Serial No. 543,407
2 Claims. (Cl. 77—62)



1. In a shoulder liner and bushing unit comprising in combination, a shoulder liner having tapered outside walls and threaded at its lower end, an eccentrically placed tapered hole passing longitudinally through said shoulder liner, a bushing having its outside wall tapered to fit the taper bore of said shoulder liner, said bushing having an eccentrically placed hole passing longitudinally therethrough, and means for locking the bushing in the shoulder liner in fixed relationship to each other.

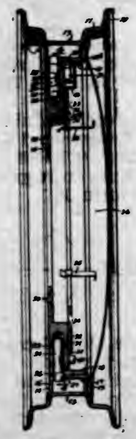
2,424,486
PRESSURE-SENSITIVE ADHESIVE TAPE DISPENSER
Wilmore H. Miller, Evanston, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application September 29, 1944, Serial No. 556,463
1 Claim. (Cl. 242—55.4)



A pressure-sensitive adhesive tape dispenser comprising a support having side walls defining

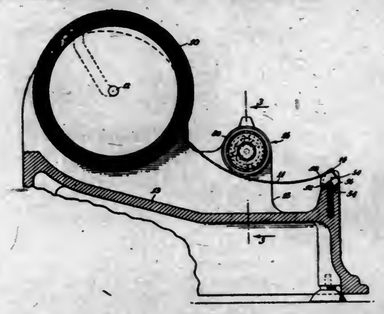
slots terminating at their upper ends in dwells, at least one of said slots terminating at its lower end in an enlarged aperture, an adhesive tape roll-supporting rod having enlarged ends of greater maximum cross-sectional dimension than the width of said slots but of less maximum cross-sectional dimension than the maximum width of said aperture, removably supported in said dwells and adapted to extend through annular cores of adhesive tape rolls to be mounted in said dispenser, whereby said rod may be lowered along said slots and withdrawn from said aperture to load rolls into said dispenser, for independent rotation about said rod, a transverse bed over which tape may be drawn from said rolls, a cutter blade mounted transversely of said dispenser, and a rocker plate pivotally mounted on said support over said bed between said cutter and said roll supporting rod, said plate spanning portions of the ends of tape led from said rolls and being movable from normal inoperative position to a tape cutting position locking said tape portions against said bed when a tape end is moved against said blade, said plate being mounted for movement as a unit away from said bed to permit threading of said tape ends between said bed and said plate during loading of said dispenser.

2,424,487
DEMOUNTABLE WHEEL
Benjamin Cullen Monroe, Tuscola, Ill.
Application July 19, 1944, Serial No. 545,557
2 Claims. (Cl. 301—28)



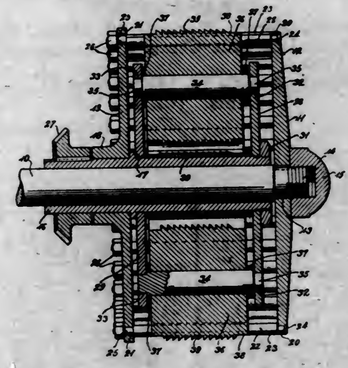
1. A demountable wheel including a wheel rim, a channel shaped ring fitted within the rim and comprising inner and outer side walls secured to the rim at opposite sides of the bottom of the channel thereof and a connecting base wall, the outer side wall being of greater radial dimension than the inner side wall, a hub plate provided with an annular wall having a wedging contact with the connecting base wall of said channel shaped ring, said hub plate having a marginal thickened portion provided with radial bolt sockets and having an annular recess, locking bolts operable in the sockets and engaging the base wall of the channel shaped ring, an annular cam seated in said annular recess and operatively connected with said bolts for actuating the same, a hub cap provided with clips, and annular means secured to said hub plate and confining the cam in said recess and engaged by the clips of said hub cap.

2,424,488
ADHESIVE TAPE DISPENSER
Louis H. Morin, New York, N. Y., assignor to Industrial Tape Corporation, a corporation of New Jersey
Application September 26, 1945, Serial No. 618,694
15 Claims. (Cl. 164—84.5)



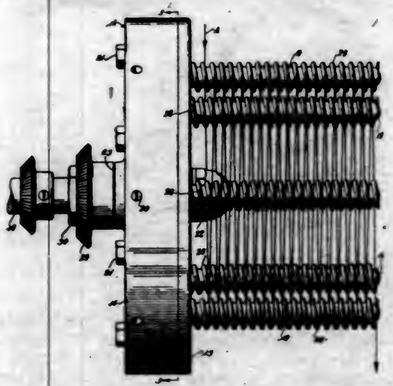
1. A dispenser comprising in combination means for holding a supply of tape to be dispensed by pulling under tension from the supply, a measuring device adapted to contact the tensioned tape and to be moved in one direction by movement of the tape and to be restored to its initial position when the tension of the tape is released, means for severing the tape, the severing means being adapted to retain the tape after an end has been severed from the tape, and means responsive to severing of an end from the tape for releasing the tension of the remaining tape.

2,424,489
THREAD ADVANCING REEL
Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application June 30, 1945, Serial No. 602,465
14 Claims. (Cl. 28—71.6)



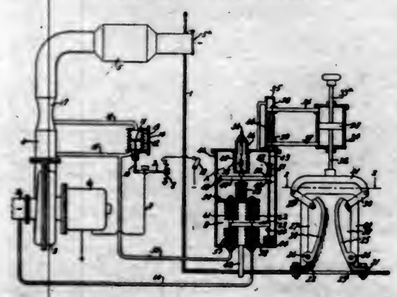
1. A device adapted for use in the handling of strandular material, comprising a rotatably mounted outer cage for supporting helically arranged strandular material, a second member provided with at least one rotatably mounted spur gear arranged within the outer cage, said spur gear having sections of saw-tooth screw-threads on the crowns of the teeth to thereby form an interrupted screw-thread, the teeth of the spur gear being of a height to protrude through the outer cage member when fully meshed therewith.

2,424,490
DEVICE FOR USE IN THE MANUFACTURE OF SYNTHETIC THREADS
William V. Henry, Candler, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application November 23, 1945, Serial No. 630,466
15 Claims. (Cl. 28—71.7)



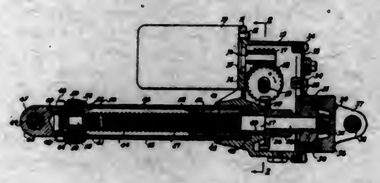
1. A thread-storage, thread-advancing device comprising a drive shaft supported at one end, a plurality of relatively fixed, bodily rotatable supports parallel to and substantially equally spaced from the axis of the shaft adapted to receive thread convolutions thereon when rotated, means for rotating said thread supports with the shaft, continuous coil cam members adjacent to and extending beyond the thread engaging surfaces of the thread supports and means for independently rotating the cam members during bodily rotation of the supports for moving thread along the supports toward a point of discharge.

2,424,491
AIRCRAFT CABIN SUPERCHARGER ARRANGEMENT
Charles W. Morris, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application August 18, 1942, Serial No. 455,198
5 Claims. (Cl. 98—1.5)



1. In combination, an aircraft cabin, a centrifugal compressor having its discharge side connected to the cabin, means for driving the compressor, means responsive to the amount of air delivered by the compressor for regulating said driving means, means controlling flow of air from the cabin, and means responsive to cabin pressure and to the pressure ratio across the compressor for regulating said air flow controlling means.

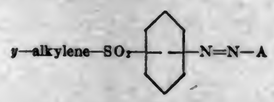
2,424,492
BUFFER FOR LONGITUDINALLY DRIVEN MEMBERS
John K. Morris, Los Angeles, Calif.
Original application March 1, 1943, Serial No. 477,669. Divided and this application April 11, 1944, Serial No. 530,535
5 Claims. (Cl. 74—424.8)



1. A buffer structure of the character described, comprising a non-metallic deformable disc mounted upon a shaft, a pair of metallic alloy discs, one disposed on each side of the deformable disc on the shaft, and a pair of steel discs disposed upon the shaft, one against the outer face of each of the alloy discs, the bearing surfaces of said metallic discs being ground to a desired degree of smoothness.

2,424,493
PYRAZOLONE MONOAZO DYES CONTAINING POLYBASIC ACID ESTERS OF ALKYLENE SULFONES
Willy Müller, Basel, and Jakob Scheidegger, Bottmingen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss firm
No Drawing. Application July 28, 1944, Serial No. 547,098. In Switzerland September 2, 1943
6 Claims. (Cl. 260—163)

1. The new dyestuffs corresponding in the free form to the general formula

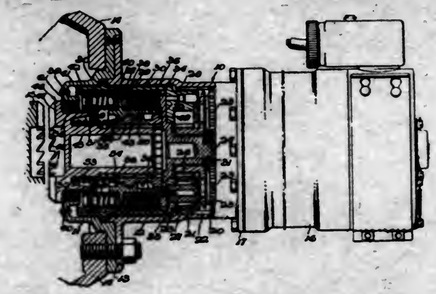


wherein the alkylene radical consists at the most of 6 carbon atoms, *y* stands for the radical of a polybasic acid linked in the form of an acid ester and A stands for the radical of a 5-pyrazolone compound, which dyestuffs in the form of their alkali salts are water-soluble powders dissolving in water to yellow solutions.

2,424,494
ENGINE STARTER CLUTCH
Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 16, 1944, Serial No. 558,855
7 Claims. (Cl. 123—179)

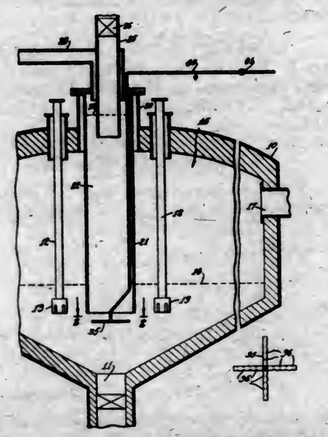
1. In an engine-engaging jaw member assembly, a jaw member having a head and a shank extending from said head, said shank being provided with lengthwise splines adapted for interfitting engagement with complementary splines carried by a member for effecting rotary and axial movement of said jaw member, a spring sleeved about said shank and engaging said head, retaining means carried on said shank and interposed between said spring and splines, said retaining

means adapted to be engaged by said last mentioned member for urging compression of said



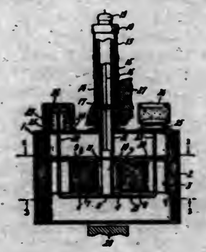
spring and thus effect axial movement of said jaw member with respect to said member.

2,424,495
METHOD FOR VAPORIZING SULFUR
Julius Worth Neelley, Front Royal, Va., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application April 12, 1945, Serial No. 588,035
7 Claims. (Cl. 23—179)



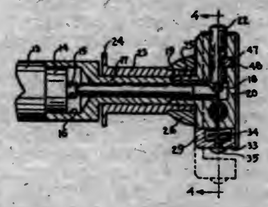
5. The method for burning-vaporizing sulfur by a procedure in which sulfur is fed in solid form to a burning-vaporizing zone thru a sulfur feed conduit which method comprises maintaining a pool of molten sulfur in a burning-vaporizing zone having a gas space, supplying unmelted solid sulfur to said sulfur feed conduit projecting into said pool, a substantial portion of said conduit lying within said gas space and said pool, heating the sulfur progressively while passing thru said conduit, by indirect transfer of heat from said burning-vaporizing zone from a temperature below to a temperature above the temperature range within which molten sulfur exists in the viscous condition, whereby there is formed in said conduit a zone of viscous sulfur and whereby molten sulfur is fed to said pool, and passing thru the sulfur during movement of the same thru said conduit a gas, of the group consisting of inert gas and gas containing free oxygen, in quantity sufficient to decrease the extent of said viscous zone and thereby substantially increase the rate of supply of molten sulfur to said pool.

2,424,496
TUNABLE MAGNETRON OF THE RESONATOR TYPE
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 2, 1944, Serial No. 566,288
4 Claims. (Cl. 250—27.5)



1. A high frequency electric discharge device comprising a source of electrons, an anode structure adjacent said electron source and including a plurality of circumferentially disposed anode segments defining inter-segmental spaces between them, each of said spaces consisting of a predominantly inductive and a predominantly capacitive region and being resonant at a frequency determined by the inductance and capacitance of said regions, moveable tuning means mounted adjacent to said anode structure and having a conductive surface in proximity to the inductive regions of said inter-segmental spaces and a further conductive surface in proximity to the capacitive regions of said spaces, and means connected to said tuning means for simultaneously moving one of said conductive surfaces away from said anode structure and the other of said conductive surfaces toward said anode structure whereby the inductance and capacitance of said regions may be simultaneously increased or simultaneously decreased.

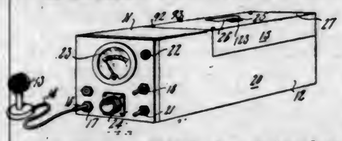
2,424,497
BORE GAUGE
John Charles Nilsson, Hyde Park, N. Y., assignor to Nilsson Gage Company, Inc., Poughkeepsie, N. Y.
Application November 19, 1945, Serial No. 629,455
8 Claims. (Cl. 33—178)



6. In an inside diameter bore gauging device of the class described, the combination of a one piece head provided with a centrally located hollow circular externally threaded extension on one face thereof and a longitudinally extending hole in said head forming a continuation of the hollow center of the said extension, a plurality of circumferentially spaced projectable feeler pins mounted in a predetermined zone of the peripheral portion of said head and extending from within the head, through and beyond the perimeter of the head, coacting spring and cam

means for radially projecting the said feeler pins, a slidably adjustable double-studded gauging pin mounted in the head between the said feeler pins and extending through and beyond the peripheral portion of the head on one end and the other end extending into the said longitudinal hole, an indicator means, a hollow stem connecting the circular hollow extension of the head and indicator means, a slidably operable but non-rotatable rod mounted in said hollow stem having a cam element on one end extending into said longitudinal hole and engaging with the inner studded end portion of the double-studded gauging pin and the other end engaging the operating mechanism of the indicator means, a spring projectable diameter varying adapter comprising a fork and a limb at right angles thereto mounted on one face of the head and means surrounding said hollow stem and operatively related to said head for releasably engaging said head and the fork of said adapter in a fixed relation comprising a rotatable internally threaded sleeve mounted on the said hollow stem and coacting with screw threads on the hollow circular extension of the said head, said sleeve having a shoulder thereon, and a ring mounted on said sleeve of such length as to extend substantially between said shoulder and the fork of the said diameter varying adapter mounted on said head.

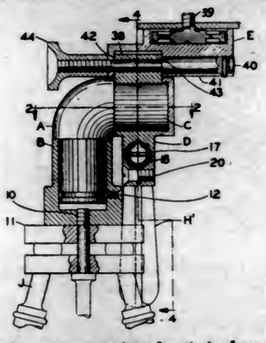
2,424,498
CONTINUOUS MAGNETIC RECORDING SYSTEM
Herman Nygaard, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application March 2, 1945, Serial No. 580,625
18 Claims. (Cl. 179—100.2)



3. A magazine adapted for interchangeable sound translating cooperation with a magnetic sound translating unit and comprising a magnetic translating head; a pair of reels rotatably mounted for traversing a magnetic wire with respect to said translating head; spooling mechanism for feeding the wire uniformly onto and from said reels, said spooling mechanism comprising a member pivotally supported between said reels for oscillation about an axis perpendicular to a plane including the axes of said reels, said translating head being mounted on said member for oscillation as a unit therewith, and elements connected to said member and projecting toward each of said reels for guiding the magnetic wire between said translating head and said reels; means for oscillating said member and elements to feed the wire in uniform layers onto and from said reels; and externally accessible mechanical coupling means associated with each of said reels for rotating them in synchronism with the oscillating means.

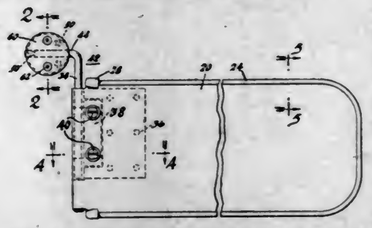
2,424,499
CAMERA MOUNTING
Harry S. Pasturczak, East Moline, Ill.
Application January 5, 1945, Serial No. 571,476
10 Claims. (Cl. 248—183)

1. An instrument mounting comprising a member movable about a vertical axis, a supporting member carried thereon and movable about a horizontal axis, a handle for effecting said vertical and horizontal movements including an outwardly extending shaft rotatably engaging one of said members, whereby the handle may be adjusted to various angular positions about the



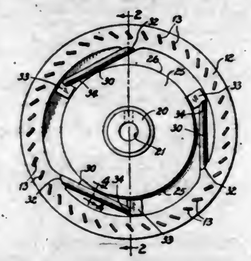
longitudinal axis of said shaft independently of the first mentioned adjustments, and tension means operatively associated with said handle and made effective and ineffective thereby to simultaneously lock the said mounting in any desired position of adjustment.

2,424,500
SUPPORT FOR SUN VISORS
Walter J. Peltier and Alton J. Diroff, Monroe, Mich., assignors to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application November 17, 1944, Serial No. 563,837
4 Claims. (Cl. 248—278)



1. Sun visor mechanism for use in a vehicle body having a windshield window opening and a side window opening, said sun visor mechanism comprising, in combination, a bracket base adapted to be fixed to the body adjacent to said two window openings, a bracket rod support pivotally mounted upon the base for rotatable adjustment to a plurality of positions with respect to the base and held yieldingly thereagainst to maintain different positions of rotatable adjustment, an angular hanger rod having one end portion journaled upon the rod support for rotatable adjustment to a plurality of positions relative to the support about an axis extending angularly with respect to the pivot mounting of the rod support upon the base and held thereby to maintain said positions of rotatable adjustment and carried by the rod support for rotatable adjustment therewith relative to the base, an elongate visor blade pivoted along one margin upon the opposite angular end portion of the rod for swinging rotatable adjustment thereabout upon an axis disposed angularly with respect to the pivot axis of the rod upon the rod support and adapted to yieldingly maintain different positions of rotatable adjustment.

2,424,501
BLOWER WHEEL BRACING
Charles I. Place, New Milford, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application May 7, 1945, Serial No. 592,488
5 Claims. (Cl. 230—134)



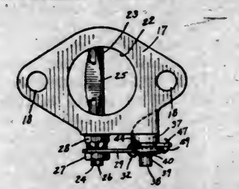
1. In a cylindrical blower wheel of open interior construction, a series of spaced, parallel displacement blades arranged to form a peripheral wheel body, an annulus at each end of the wheel body and assembled thereto, a hub assembled to one annulus for shaft-mounting the wheel, and a plurality of braces formed integrally with, and extending from equi-angular zones of the other annulus, each brace being located interiorly of the wheel and so disposed that the longitudinal axis of the brace extends at an acute angle to an axial diametral plane of the wheel, the braces being assembled in the regions of their otherwise free ends, directly to the first said annulus.

2,424,502
HAIR DRIER
Jacob J. Polite, Youngstown, Ohio
Application September 13, 1944, Serial No. 553,872
4 Claims. (Cl. 34—99)



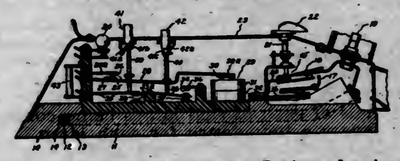
1. In a device of the class described, the combination with a conventional hair drying unit having a warm air directing cone, of an air circulating hood adapted to be attached to said cone which comprises a hollow substantially cylindrical body having an inturned flange at its lower end, flexible sealing means carried by the flange for engaging the head of the user immediately below the hair line, a hollow perforated torous at the opposite end of the body, the perforations of which are located wholly behind the discharge end of the cone whereby air introduced into the hood through the cone cannot escape without circulation therethrough.

2,424,503
VELOCITY GOVERNOR
Raymond Reger, Anderson, Ind., assignor to Pierce Governor Company, Anderson, Ind., a corporation
Application May 15, 1942, Serial No. 443,113
13 Claims. (Cl. 267—1)



1. A spring resistance device comprising a relatively stationary support, a pair of spaced members, each independently pivoted on the support, one of said members responding to a variable force to be resisted, the force increment progressively increasing for successive increments of pivotal movement thereof, the other of said members being pivotally mounted adjacent the first mentioned member, the pivotal axes being substantially parallel, a cam portion on one member, a follower portion on the other of said members, which follower portion is arranged for cam portion engagement, the said other member when unconstrained having a position such that the portions would not engage each other, and a tension spring connected at opposite ends to the members and constraining the portions into engagement and constituting the sole tension connection therebetween, said cam portion in the pivoting of its supporting member effecting pivoting of the follower portion supporting member and arranged for stretching of the spring from one end only and for a portion of the pivotal movement and simultaneously stretching of the spring from opposite ends for another portion of the pivotal movement wherein the spring supporting portions of said members separate.

2,424,504
ELECTRIC HEATER HAVING THERMOSTATIC CONTROL AND SIGNAL MEANS
Frederick W. Riddington, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application May 1, 1943, Serial No. 485,527
3 Claims. (Cl. 219—25)



1. In an electrically heated flatiron having an electric heating element, temperature control and signal means for said flatiron comprising, an electroresponsive signal device, energizing circuits for said signal device and for said heating element, a thermostat responsive to the temperature of said flatiron for controlling said heating element to hold a substantially constant temperature in said flatiron and settable to vary said temperature, a pair of push buttons for "high" and "low" heats respectively, and switch means controlled by said push buttons and thermostat controlling said energizing circuits so that when said "high" heat push button is depressed and the iron is below the temperature for which said

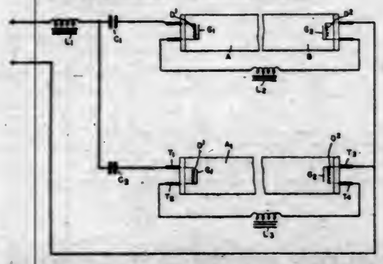
thermostat is set said heating element is energized but said signal device remains unenergized, and said switch means operating to energize said signal device circuit to cause the signal device to give a signal when said thermostat opens said heating element circuit responsively to the iron attaining the high temperature for which said thermostat is set and to continue its operation to give the signal while said thermostat cycles to open and close said heating element circuit to hold said temperature substantially constant, and said switch means also operating responsively to the setting of said thermostat to a temperature lower than the instant temperature of said device, which setting opens said heating element circuit, and to the depression of said "low" heat push button for opening the energizing circuit of said signal device and for reclosing it only responsively to the operation of said thermostat in reclosing said heating element circuit when the temperature of said iron falls to a value corresponding to the lower temperature setting of said thermostat.

2,424,505

METHOD OF AND APPARATUS FOR OPERATING HOT CATHODE LAMPS

Burghardt P. Rupersburg, St. Clair Shores, Mich., assignor, by mesne assignments, to Synoro Devices, Inc., Detroit, Mich., a corporation of Michigan

Application July 31, 1944, Serial No. 547,329
5 Claims. (Cl. 315—96)



1. A circuit for operating a plurality of hot cathode discharge lamps each of the type comprising a vitreous tube having two terminals at each end thereof and a cathode resistance within each end of the tube connected between the terminals at the respective ends of the tube, said circuit comprising an inductance and a capacitance connected in series with one of the terminals at each end of one of said tubes and a parallel connection connecting said inductance in series with a second capacitance and one of the terminals at each end of a second tube, the other terminals of each of said lamps being connected to a separate inductance for each lamp.

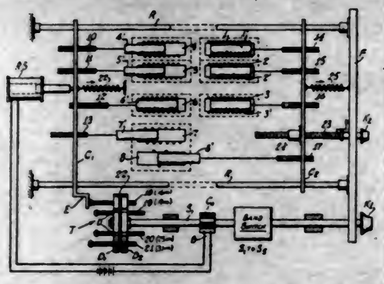
2,424,506

PERMEABILITY-TUNED SHORT-WAVE SPREAD-BAND RECEIVER

William Francis Sands, West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 24, 1942, Serial No. 463,194
9 Claims. (Cl. 250—40)

1. In a permeability-tuned receiver capable of receiving signals in a plurality of short-wave bands, a plurality of tunable circuits having each a solenoid winding and a magnetic tuning core movable therein to inductively tune the respective circuits, means for automatically adjusting the several tuning cores in unison to a selected one of a plurality of predetermined positions which correspond respectively to the center-frequencies of the several short-wave bands,



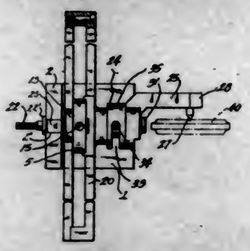
and means operable independently of the first-mentioned means and without disturbing the center-frequency positions of the band-selecting cores for effecting band-spread tuning within each of said short-wave bands.

2,424,507

APPARATUS FOR DRESSING INVOLUTE SURFACES ON GRINDING WHEELS

William Shotey, Dearborn, Mich.

Application February 28, 1944, Serial No. 524,222
4 Claims. (Cl. 125—11)



1. An apparatus for dressing grinding wheels, comprising a base, an arcuate member carried thereby, a tangent bar laid on the periphery of said member, an arm pivotally mounted at the center of said member, means on said arm for clamping said bar on said periphery, whereby said bar may be rolled involutely on said periphery, a journal extending laterally from said bar and having its axis in the axis of tangency, a tool carrier rotatably mounted on said journal, said carrier having a seat positioned to hold a dressing tool with its axis alongside said arcuate member, whereby the axis of said seat travels involutely with said bar, a stop member extending from the circumference of said journal, said carrier having a slot of substantially 180° transverse of the axis of said journal and receiving said stop member, and two bumpers extending from said carrier into said slot at opposite sides of said stop member to engage the latter and limit the rotation of said carrier on said journal.

2,424,508

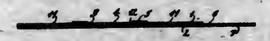
DECALCOMANIA ASSEMBLY AND METHOD OF MAKING THE SAME

Watson A. Simmonds, Chicago, Ill.

Application February 15, 1945, Serial No. 578,024
10 Claims. (Cl. 41—33)

1. In a decalcomania assembly, a top sheet of relatively strong paper, a bottom sheet of paper

having a glazed surface, said top sheet having a series of openings therein each of a size substantially equal to the applied portion of a decalcomania stamp, and decalcomania stamps applied to said top sheet in such manner that the useful



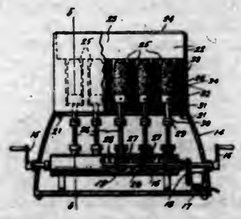
part of each stamp projects through an opening and adheres to the under sheet, said sheets being at least partially held together by the applied decalcomania stamps and provided with aligned rows of apertures for use with a driving mechanism.

2,424,509

ROTARY FINGER SCRUBBING MACHINE

Henry Singer, Honolulu, Territory of Hawaii

Application October 12, 1943, Serial No. 505,983
3 Claims. (Cl. 15—97)



1. A device of the character stated, comprising a housing having a shaft extending therethrough, the housing having a top, a body seated upon the top of the housing over the shaft, said body having a series of upwardly opening sockets formed therein, a plurality of shafts extending vertically from and having operative connection with the first shaft, each of said shafts being aligned with the axial center of a socket, a stub shaft extending through the lower part of said body from within a socket, a separable coupling between each stub shaft and an underlying shaft, a relatively long socketed finger receiving member disposed in each of said sockets, and a connection between each of said members and the stub shaft extending into the socket in which the member is located, said socketed members being formed of suitable material to have a scrubbing effect upon a finger inserted thereinto, and means for rotating the first shaft to effect simultaneous rotation of the plurality of shafts and the stub shafts connected therewith.

2,424,510

PRODUCTION OF β-NITROETHANOL AND β-NITROETHYL NITRATE

Arthur Ernest Wilder Smith, Charles William Scaife, and Robert Holroyd Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 14, 1944, Serial No. 522,388. In Great Britain December 4, 1942
11 Claims. (Cl. 260—467)

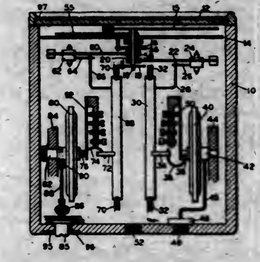
1. A process for separating β-nitroethanol and β-nitroethyl nitrate from the reaction product of ethylene and nitrogen tetroxide comprising mixing the reaction produce with water, and allowing the mixture to separate into an aqueous layer containing β-nitroethanol and a non-aqueous layer containing β-nitroethyl nitrate.

2,424,511

AIRCRAFT FLIGHT INSTRUMENT

Robert M. Stanley, Kenmore, and John F. Strickler, Jr., Williamsville, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.

Application March 29, 1944, Serial No. 528,534
2 Claims. (Cl. 73—178)



2. An aircraft instrument responsive to pressure conditions prevailing externally of an aircraft in flight, comprising a fluid tight housing, a plurality of indicators and an indicating face common thereto supported by said housing, means mounting said indicators in adjacent relationship to move in parallel paths to produce a differential indication visible externally of said housing, means actuating one of said indicators responsive to the difference between impact and static pressure externally of said aircraft, means actuating another of said indicators responsive to static pressure externally of said aircraft, means accessible externally of said housing for adjusting the response of the last said indicator to conform with the Mach number of an aircraft in which the instrument is to be mounted, and means defining passages for connecting said responsive means to pressure sensing means located externally of said aircraft, said indicators cooperating to provide a comparison of indicated airspeed and safe maximum indicated airspeed.

2,424,512

PRODUCTION OF ALKALI METALS AND THEIR OXIDES

Robert A. Stauffer, Cambridge, Mass., assignor to National Research Corporation, Boston, Mass., a corporation of Massachusetts

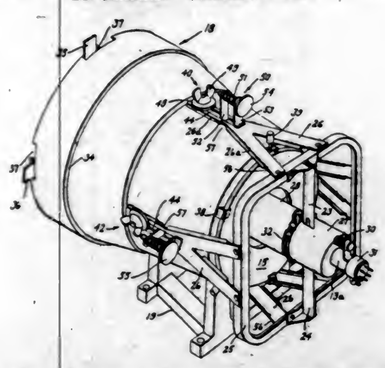
No Drawing. Application August 8, 1944, Serial No. 548,623
13 Claims. (Cl. 75—66)

1. A process for recovering one of the substances of the group consisting of the alkali metals lithium, rubidium and cesium and their oxides by direct distillation from their silicate and phosphate ores which includes the step of reacting a mixture of one of said ores of a said metal and an amount of lime in excess of said ore at an elevated temperature in excess of about 900° C. to displace oxide of said alkali metal from said ore while exposing the reacting mixture to a vacuum of a free air pressure below 1 mm. Hg and below the vapor pressure, at said temperature, of the metallic substance to be recovered.

4. A process for recovering one of the alkali metals lithium, rubidium and cesium from their silicate and phosphate ores which includes the steps of heating a mixture of one of said ores of a said metal, an amount of lime in excess of said ore, and a reducing agent for oxide of said metal to an elevated temperature in excess of about 900° C. at which the lime reacts with the ore to displace oxide of said metal therefrom and

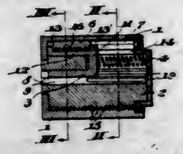
said reducing agent reacts with said oxide to displace said metal therefrom, exposing the heated, reacting mixture to a vacuum of a free air pressure below 1 mm. Hg and below the vapor pressure of said metal at said temperature thereby causing said displaced metal to vaporize, and collecting said metal by condensation of its said vapor.

2,424,513
ADJUSTABLE MOUNTING
Ingo L. Stephan, Delanco, N. J., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1946, Serial No. 673,337
15 Claims. (Cl. 250—141)



1. For television apparatus and the like including a primary image screen, mechanism for angularly adjusting said screen about a predetermined point as a center of pivotation whereby properly to orient said screen with respect to an optical axis, said point lying substantially in said screen, said mechanism comprising, means providing a pair of individual rotational axes passing through said point in substantially right-angularly related directions and about which said screen may be adjusted selectively.

2,424,514
CYLINDRICAL COMBINATION LOCK
Bernard Sterner, Antwerp-Berchem, Belgium
Application June 8, 1938, Serial No. 212,548
In Belgium May 28, 1938
Section 3, Public Law 690, August 8, 1946.
Patent expires May 28, 1958
8 Claims. (Cl. 70—383)

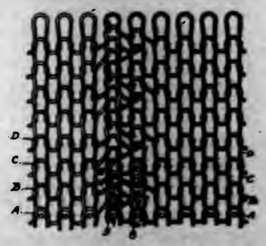


1. A cylindrical combination lock to be locked by a combination key having longitudinally adjustable bits and to be unlocked only by a key of identical combination of bits comprising in combination two cylinders arranged concentrically one inside the other, the outer cylinder being fixed, the inner cylinder being rotatably mounted and provided axially with a longitudinally extending keyway opened towards the keyhole of the lock, pushers slidably accommodated side by side in said longitudinal keyway and depressed by the bits of the key when inserted in said keyway, springs actuating said pushers so as to impell them towards the keyhole opening of the lock, parallel longitudinal slots cut out in said rotatable cylinder, said slots being opened at the end of said cylinder remote from the keyhole of the lock and having a length less than the length of said cylinder, radial projections laterally provided on said pushers and protruding outwardly of said rotatable cylinder across said longitudinal slots, grooves longitudinally provided in said fixed cylinder, tumblers slidably arranged in said grooves, coupling means provided on said lateral projections for connecting said pushers and tumblers for a common longitudinal movement, whereby said tumblers are moved by action of said coupling means into positions corresponding to the combination bitting selected, means for disconnecting said pushers from said tumblers when in said positions, means for locking said rotatable cylinder against rotation by cooperation of said pushers and tumblers, means for locking said tumblers from movement when disconnected from said pushers and means for preventing the position of said tumblers when locked from being detected by aid of means inserted from inside of said rotatable cylinder into the longitudinal slots thereof when the pushers are depressed.

2,424,515
COMPLEX LEAD PHTHALATE-CONTAINING COMPOSITIONS AND PROCESS FOR PREPARING SAME
Alexander Stewart, Mountain Lakes, N. J., and Adrian B. Pitrot, Hempstead, and Leonard M. Kebrich, Brooklyn, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application September 11, 1943, Serial No. 502,067. Divided and this application March 15, 1946, Serial No. 654,802
8 Claims. (Cl. 260—435)

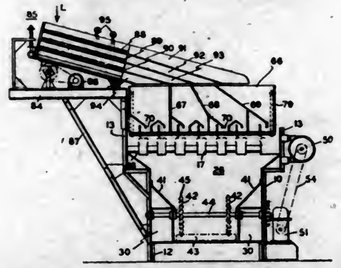
5. A process for preparing complex lead salts which comprises mixing together in aqueous media, lead monoxide, phthalic acid, and a monobasic aliphatic acid selected from the group consisting of acetic, propionic, butyric, isobutyric, caproic, caprylic and stearic acids in amounts such that for every 2 molar parts of aliphatic acid there are present 2 molar parts of phthalic acid and 4 molar parts of lead monoxide and while agitating the mixture, maintaining the temperature thereof between 15° C. and 100° C. until the reaction is substantially complete.

2,424,516
SUTURE
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, a corporation of Massachusetts
Application December 8, 1945, Serial No. 633,629
1 Claim. (Cl. 66—179)



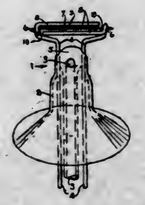
A two wale split foot suture of which one wale is composed of two courses of one yarn and two courses of another yarn in alternation and the other wale of two courses of the first mentioned yarn in alternation with one course of the other yarn.

2,424,517
UPWARD CURRENT HYDRAULIC APPARATUS FOR SEPARATING MATERIALS OF DIFFERENT SPECIFIC GRAVITIES
Willard W. Stranahan, Camp Hill, Pa., assignor to L. B. Smith, Incorporated, Camp Hill, Pa., a corporation of Pennsylvania
Application October 28, 1943, Serial No. 508,043
7 Claims. (Cl. 209—158)



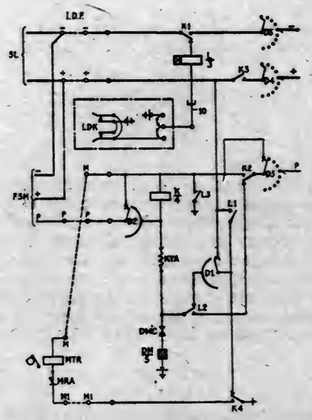
4. Hydraulic classifying apparatus comprising in combination an elongated tank having an upwardly inclined end portion extending above the principal side walls of said tank, a conveyor extending from the lower central portion of said tank upwardly along said inclined portion to discharge materials falling into the lower central portion of said tank, a deck spanning the side walls of said tank and sloping downwardly toward the end thereof opposite said first mentioned end portion, a fluid retaining wall depending downwardly from the lower end of said deck, a wall spanning the side walls of said tank and extending upwardly from the upper end of said deck, a plurality of transversely spaced open ended vertical flumes extending downwardly through said deck and adapted to retain upwardly flowing currents of hydraulic fluid, and means to deliver hydraulic fluid under pressure to the space below said deck to effect said upwardly flowing currents of fluid at velocities determined by the height of said wall extending upwardly from the upper end of said sloping deck.

2,424,518
COIL ELECTRODE
Raymond H. Stuart, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application December 4, 1944, Serial No. 566,603
6 Claims. (Cl. 176—16)



1. An electrode for electric discharge devices comprising a continuous wire coil extending substantially linearly between and secured to a pair of spaced lead-in conductors, the portion of said coil intermediate said lead-in conductor being of such dimensions that a suspension of electron-emissive material will spread along the coil by a capillary or surface tension effect and being filled with the dried residue of a liquid suspension of powdered electron-emissive material, the end turns of said coil adjacent to the inner sides of said conductors being distorted to provide a barrier to the capillary flow of such liquid suspension and being free from said electron-emissive material.

2,424,519
NONNUMERICAL ROTARY HOMING TYPE SWITCH
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application December 11, 1944, Serial No. 567,551
In Great Britain February 1, 1944
10 Claims. (Cl. 179—18)

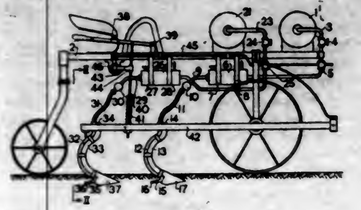


1. In a telephone or like system, a subscriber's line circuit comprising a cut-off relay and a nonnumerical switch of the rotary homing type giving access to a group of first numerical switches, a wiper on said switch, a guard lead for said circuit connected to said wiper, means including said wiper and a potential connected directly to said guard lead for operating said cut-off relay in case said rotary switch is connected to one of said numerical switches, means responsive to the operation of said cut-off relay for restoring said rotary switch to its home position, and means including said wiper and said potential for further operating said cut off relay after said rotary switch has reached its home position to maintain said rotary switch therein.

2,424,520
SOIL IMPROVING METHOD
Charles J. Tonkin, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 2, 1943, Serial No. 504,785
12 Claims. (Cl. 47—58)

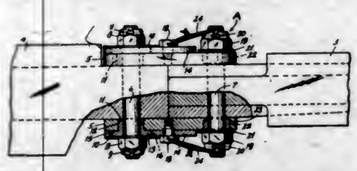
1. A method of treating soil to improve its plant growing properties comprising introducing approximately simultaneously into said soil sub-

stantially below the surface thereof both a halogenated lower hydrocarbon soil fumigant and a



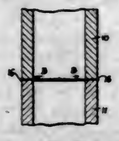
quickly-assimilable nitrogen-containing plant food.

2,424,521
AIRPLANE WING SPAR JOINT
Albert Utsch, Normandy, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application October 8, 1943, Serial No. 505,477
12 Claims. (Cl. 287—9)



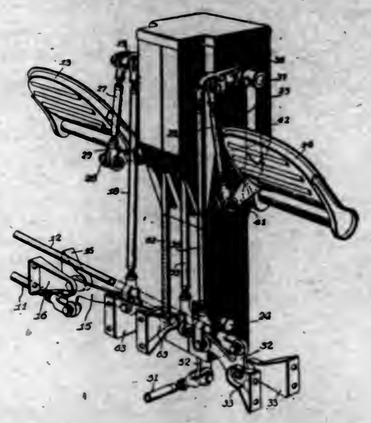
1. An airfoil spar joint construction comprising two spars disposed in end to end relation, splice bars disposed on opposite sides of said spars and spanning the adjacent ends thereof, and separate connections between said splice bars and the respective spars, one of said connections including separate means cooperating with each of said splice bars for taking up play in said joint and for separately tensioning each of said splice bars.

2,424,522
METHOD OF BONDING ADJACENT ENDS OF METALLIC TUBING
Rene D. Wasserman, New York, N. Y.
Application March 8, 1944, Serial No. 525,501
1 Claim. (Cl. 113—112)



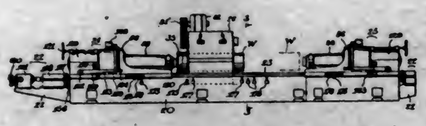
A process for bonding together adjacent butt ends of metallic tubings, pipes and like tubular elements, which comprises interposing between said butt ends a flexible, solid sheet of alloy material having a melting point below that of the elements to be bonded and a thickness between 0.003 and 0.04 inch, thus obstructing the inner diameter of said elements, and applying heat to those portions of the outer wall parts of said elements adjoining their butt ends and the interposed sheet of alloy material until said alloy material becomes fluid, thereby causing the enclosed central portion of said sheet to creep toward the inner wall parts of said elements and between said butt ends, whereby a bonding seam is formed between said butt ends with the inner diameter of said elements substantially free from said central sheet portion.

2,424,523
AIRCRAFT OPERATING MECHANISM
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 6, 1943, Serial No. 478,233
14 Claims. (Cl. 244—86)



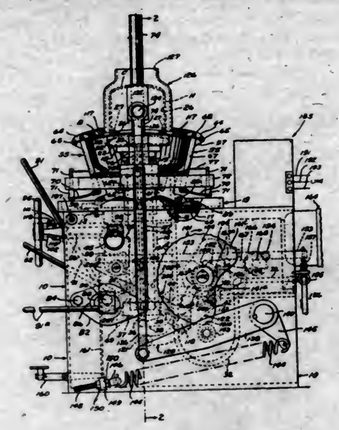
1. The combination in a control mechanism for aircraft, of a rudder-operating rod, a bell crank lever pivoted for movement about a fixed center, and having one arm connected to said rod, right and left pedals connected together in opposition and connected to the other arm of said bell crank lever, a support for said pedals mounted for pivotal movement about said center to adjust the position of said pedals, and means for maintaining fixed the position of said pedals relative to each other on said support during adjusting movement of said pedal support.

2,424,524
BORING MACHINE
William H. Weimer, North Prairie, Wis., assignor to Davis & Thompson Company, West Allis, Wis., a corporation of Delaware
Application September 18, 1942, Serial No. 458,839
9 Claims. (Cl. 77—3)



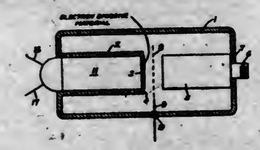
1. In combination, a boring head, a carrier rotatable relatively to said head and adapted to hold a work piece, said head and carrier having an axis of relative rotation and being relatively movable in an axial direction, a boring tool shiftably carried by said head and displaceable in a direction transverse to said axis to vary the cutting radius, means relatively rotatable with respect to said boring head for varying the cutting radius of the tool during each revolution, and means operable at a predetermined speed during the boring operation for effecting the relative rotation of said last-named means through a plurality of revolutions with respect to said boring head.

2,424,525
HAT BLOCKING MACHINE CONSTRUCTION
Burling D. Wells, Danbury, Conn., assignor, by mesne assignments, to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 3, 1943, Serial No. 493,321
16 Claims. (Cl. 223—15)



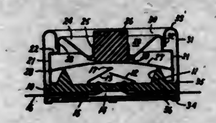
1. A hat blocking apparatus comprising a perforated form having a crown portion, a band ring, releasable brim-gripping devices grouped about the axis of said form for gripping peripheral portions of the brim of a hat body, means for actuating said devices radially outwardly from said axis to stretch the brim, a movable support for said perforated form, said support having a path of movement along said axis in a direction toward said band-ring, means providing a source of fluid for conditioning the hat body, and means for controlling the flow of fluid from said source to the hat body comprising two relatively slidable members each having a port therein whereby the port in the one may be brought into or out of registry with the port in the other according to the relative slidable movement between said two members, and means responsive to movement of said support for effecting relative sliding movement between said two members.

2,424,526
ELECTRIC DISCHARGE DEVICE
William C. White, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 11, 1943, Serial No. 471,929
12 Claims. (Cl. 250—27.5)



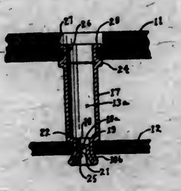
1. In an electric discharge device, the combination comprising a plurality of enclosed electrodes and having a metallic part constituting a cathode, said metallic part being provided with an electron emissive material, and a self-contained member totally enclosing a reaction mixture for heating said cathode.

2,424,527
ELECTRIC SWITCH
Alexander K. Whyte and William J. Aldis, Toronto, Ontario, Canada, assignors to General Electric Company, a corporation of New York
Application August 10, 1946, Serial No. 689,633
In Canada September 10, 1945
8 Claims. (Cl. 200—67)



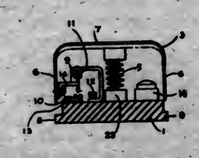
1. An electric switch comprising a flat spring restrained in a member whereby it may assume either an upper or a lower bowed position, means on said member to operate said spring from its upper to its lower bowed position, said spring mounted on a pair of spaced fulcrum points whereby pressure on said member causes movement of said spring from its lower to its upper position, means limiting the movement of said member in a direction away from the said fulcrum points, and contacts arranged to be closed by said spring when it is in one of its bowed positions and to be opened when said spring is in the other of its bowed positions.

2,424,528
ELECTRIC SOCKET
Henry W. Wild, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 31, 1944, Serial No. 520,507
8 Claims. (Cl. 173—328)



1. A socket for electrical devices comprising a tubular body shell having a reduced hollow neck portion with a closed end, the closed end of said neck being inverted into the hollow of said neck with its adjacent walls in substantially intimate contact with each other, said inverted section providing for a recess completely sealed from the hollow portion of said shell.

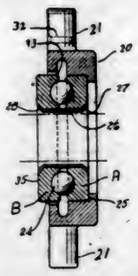
2,424,529
SWITCHING ARRANGEMENT FOR ELECTRICAL APPARATUS
Lloyd C. Wimmer, Washington, Mo.
Application January 23, 1945, Serial No. 574,114
3 Claims. (Cl. 201—48)



2. A current reducing unit for the power supply line of a radio receiver, comprising a base

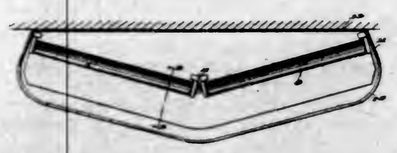
plate, a current reducing means mounted on the same, fixed contacts, connected with said current reducing means, disposed in a vertical line one above the other, and mounted on said base plate, a movable pedal forming substantially a closed box with one open side, hinged to and encircling said base plate and covering the elements mounted on the same, a spring inserted between said pedal and said base plate and a movable switch contact, vertically disposed within the vertical line joining the fixed contacts, insulated from and attached to a vertically disposed portion of the pedal for vertical movement, said contact being connected with the aforesaid power supply line.

2,424,530
THROWOUT BEARING
Camp M. Zubler, Drexel Hill, Pa.
Application April 2, 1946, Serial No. 658,996
4 Claims. (Cl. 308—233)



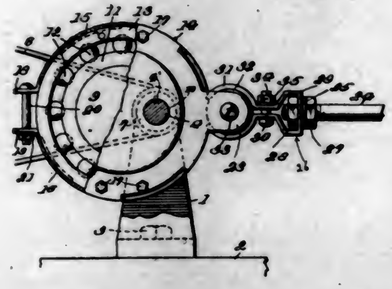
1. A throw out bearing comprising a housing having a bore therethrough, said housing also having a counterbored seat formed in the body thereof and communicating with said bore, an annular, fixed ball race mounted in said seat, an annular, rotatable ball race, ball bearings between said ball races, and an annulus extending through the bore of said ball races, the opposite ends of said annulus being deflected to form flanges engaging adjacent edges of said ball races.

2,424,531
REFLECTOR
Horace W. Alexander and Adrian Comper, Erie, Pa., assignors to American Sterilizer Company, Erie, Pa.
Application February 3, 1944, Serial No. 520,953
2 Claims. (Cl. 240—41.37)



1. An ultraviolet projector unit for projecting a horizontal beam of ultraviolet radiation throughout an approximate semicircle for germicidal treatment of air-borne bacteria in the space defined by the beam, comprising a continuous elongated reflector of generally anticlastic form having the cross-sectional shape of an unsymmetrical parabola with a horizontal major axis, tubular ultraviolet generating means mounted within the reflector and uniformly spaced from the point of inflection of the parabolic cross section, and a housing surrounding the reflector, said housing being constructed and arranged to provide a flat wall portion spanning the ends of the reflector on the back thereof, recessed opposite end portions covering the adjacent ends of the ultraviolet generating means, a top portion extending over the upper edge of the reflector, and an upstanding baffle extending around the lower front portion of the reflector in a position to intercept ultraviolet radiation directed below the horizontal.

2,424,532
ECCENTRIC DRIVING CONNECTION
Charles L. Beard, Lancaster, Pa.
Application November 30, 1944, Serial No. 565,969
3 Claims. (Cl. 74—44)



1. An eccentric attachment of the character described comprising a shaft, an eccentric mounted upon the shaft and comprising a circular disk having an opening at one side of the center thereof, for receiving the said shaft, the latter being keyed in the said opening to impart rotary motion to the disk when the shaft is rotated, inner and outer spaced races, said inner race embracing and fixed to said eccentric, a casing comprising interfitting circular members connected together and to the outer race, rearwardly projecting ears formed on said casing and having a race positioned therebetween, a connecting rod, a resilient clamp carried by one end of said rod, spaced arms on said clamp engageable with said last mentioned race for connecting the inner end of said rod pivotally to said casing members.

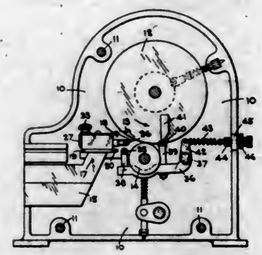
2,424,533
ANTISNORE DEVICE
William Jay Faires, Chicago, Ill.
Application July 21, 1945, Serial No. 606,378
4 Claims. (Cl. 128—136)



1. An anti-snore device, comprising a pair of cooperating curved frames pivotally secured together at their ends and positioned one in front of the other, said frames being adapted to be placed entirely within the mouth between the teeth and lips of the user, and means for normally holding said frames in an expanded position.

2,424,534
MOISTENING DEVICE FOR DUPLICATING MACHINES
Frank Ronald Ford, Sparkbrook, Birmingham, England
Application April 27, 1944, Serial No. 532,949
In Great Britain March 31, 1943
5 Claims. (Cl. 91—38)

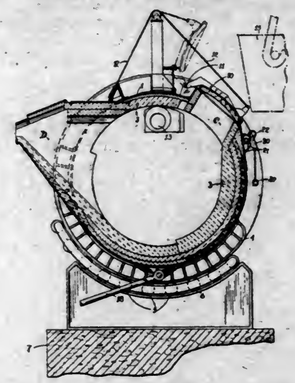
1. A copy sheet moistening device comprising a reservoir for liquid, an elongated rigid plate, an elongated wick carried by said plate and extending with at least one end thereof into said reservoir, an absorbent pad adapted to receive liquid from said wick, a readily detachable carrier plate having a pad supporting portion disposed substantially parallel to said wick carrying plate, said pad being seated on said pad-supporting portion of the carrier plate with one



marginal portion of the pad projecting beyond the edge of said carrier plate, and means for drawing said plates towards each other, to bring said pad into resilient pressure contact with said wick, said means being situated at a position remote from said marginal portion of said pad and acting at right angles to the plane of said plates.

2,424,535
HOT METAL MIXER
James L. Hyland, Cleveland, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application July 23, 1945, Serial No. 606,627
9 Claims. (Cl. 266—39)

1. In a hot metal mixer including a cylindrical metal shell having upper and lower segments, a pouring-in spout in said upper segment, and a refractory lining in said segments, the combination of a plurality of cooling fluid tubes extending circumferentially of the mixer in the lower segment and projecting out thru said shell in said upper segment, a valve controlled cooling fluid inlet header communicating with the inlet ends of said tubes thru control valves, and a drain trough disposed to receive cooling fluid discharged from the outlet ends of said tubes.



2,424,536
COMPOSITE FOOD PACKAGE
Gottfried O. Mayer and Edward C. Sloan, Madison, Wis., assignors to Oscar Mayer & Co., Inc., Chicago, Ill., a corporation of Illinois
Application March 8, 1946, Serial No. 652,936
8 Claims. (Cl. 99—171)

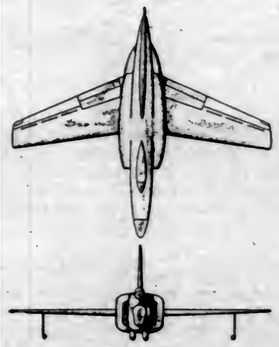


1. A composite food package comprising a sealed external receptacle, a plurality of elongated wieners arranged in side-by-side relation in a portion of the interior volume of said receptacle to afford brine receiving space adjacent the surfaces of said wieners, a pre-formed container of non-porous, flexible and readily deformable material disposed in another portion of the volume of said receptacle in contact with certain of said wieners, a quantity of bulk sauce suitable for serving with said wieners sealed in said container, and a quantity of brine in said receptacle filling said space between wiener surfaces.

DESIGNS

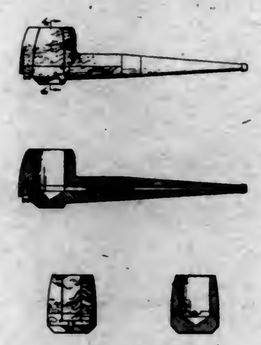
JULY 22, 1947

147,171
DESIGN FOR AN AIRPLANE
Gilbert H. Altherr and Norman E. Nelson, Dayton, Ohio
Application January 30, 1946, Serial No. 126,087
Term of patent 3½ years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

147,172
DESIGN FOR A SMOKING PIPE
Albert A. Atchison, Hercules, Calif., assignor of one-half to Henry D. Glascock, Hercules, Calif.
Application June 7, 1946, Serial No. 130,485
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a smoking pipe, as shown.

147,173
DESIGN FOR A RAINCOAT OR SIMILAR ARTICLE
Abe Gruber, New York, N. Y.
Application December 9, 1946, Serial No. 135,370
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a raincoat or similar article, substantially as shown.

147,174
DESIGN FOR A POLO SHIRT OR SIMILAR ARTICLE
Edward Guttman, New York, N. Y.
Application September 14, 1946, Serial No. 133,313
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a polo shirt or similar article, substantially as shown and described.

147,175
DESIGN FOR A POLO SHIRT OR SIMILAR ARTICLE
Edward Guttman, New York, N. Y.
Application November 5, 1946, Serial No. 134,516
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a polo shirt or similar article, substantially as shown and described.

147,176
DESIGN FOR A POLO SHIRT OR SIMILAR ARTICLE
Edward Guttman, New York, N. Y.
Application November 5, 1946, Serial No. 134,517
Term of patent 3½ years
(Cl. D3—25)



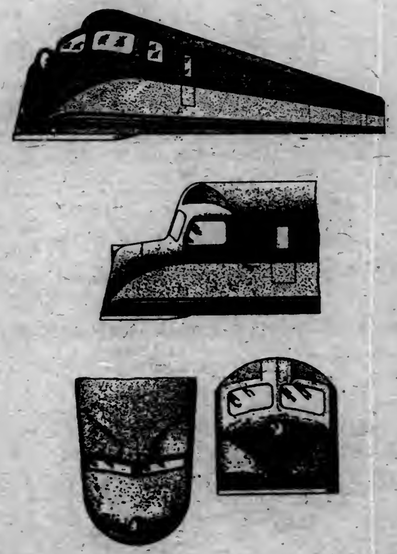
The ornamental design for a polo shirt or similar article, substantially as shown and described.

147,177
DESIGN FOR A POLO SHIRT OR SIMILAR ARTICLE
Edward Guttman, New York, N. Y.
Application November 5, 1946, Serial No. 134,518
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a polo shirt or similar article, substantially as shown and described.

147,178
DESIGN FOR A LOCOMOTIVE BODY
Edward J. Harley, Philadelphia, and Lewis W. Metzger, Doylestown, Pa.
Application January 8, 1946, Serial No. 125,352
Term of patent 3½ years
(Cl. D66—1)



The ornamental design for a locomotive body, substantially as shown and described.

147,179
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 26, 1946, Serial No. 131,057
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

147,180
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,383
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,181
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,384
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,182
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,385
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,183
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,386
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,184
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,387
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,185
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,388
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,186
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,389
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,187
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,391
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,188
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,392
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,189
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,395
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,190
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,397
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,191
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,398
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,192
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 10, 1946, Serial No. 131,453
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,193
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,488
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,194
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,490
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,195
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,491
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,196
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,492
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,197
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,496
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,198
DESIGN FOR A WOVEN FABRIC
Austin N. Oppenheim, New York, N. Y., assignor to Traub-Lyons-Oppenheim, Inc., New York, N. Y., a corporation of New York
Application January 16, 1947, Serial No. 136,178
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a woven fabric, as shown and described.

147,199
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,462
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,200
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,463
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,201
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,464
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,202
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,465
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,203
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,466
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,204
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,467
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,205
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,468
Term of patent 7 years
(Cl. D45—19)



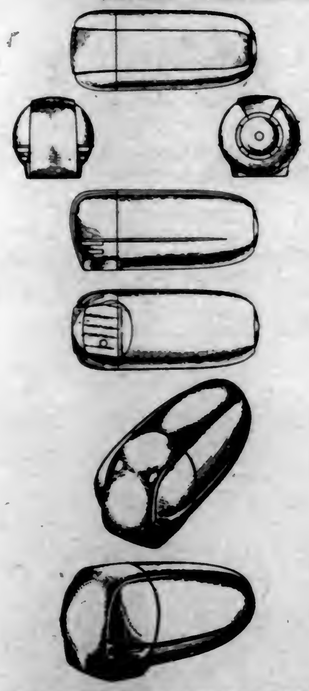
The ornamental design for a brooch or similar article, substantially as shown.

147,206
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 10, 1946, Serial No. 131,469
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,207
DESIGN FOR AN ENCASED POWER UNIT OF AN ELECTRIC APPLIANCE OR THE LIKE
Harry S. Preble, Jr., New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 5, 1946, Serial No. 125,307
Term of patent 14 years
(Cl. D26—5)



The ornamental design for an encased power unit of an electric appliance or the like, substantially as shown.

147,208
DESIGN FOR A COMBINATION RADIO AND PHONOGRAPH CABINET
Melson J. Wachsman, Grand Rapids, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application March 21, 1946, Serial No. 127,753
Term of patent 14 years
(Cl. D56—4)



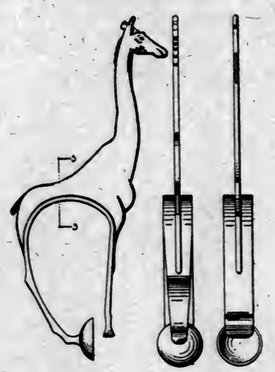
The ornamental design for a combination radio and phonograph cabinet, as shown and described.

147,209
DESIGN FOR A THROTTLE TYPE FAUCET
Edward C. Wells, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application February 7, 1946, Serial No. 126,369
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a throttle type faucet, substantially as shown.

147,210
DESIGN FOR A CHILD'S ANIMAL TOY OR SIMILAR ARTICLE
George Winston, New York, N. Y.
Application May 16, 1946, Serial No. 129,755
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a child's animal toy or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ahlbin, John, & Sons, Inc., Bridgeport, Conn. Scissors. Serial No. 517,100; July 22. Class 23.

Air-Way Electric Appliance Corporation, Toledo, Ohio. Electrical suction cleaners and parts and accessories thereof. Serial No. 513,547; July 22. Class 21.

Alaska Salmon Company: *See*—
Bristol Bay Packing Company.

Alleson Sportswear Company, Rochester, N. Y. Sport coats, cardigans, loafer coats, etc. Serial No. 518,740; July 22. Class 39.

American Motors Corporation, St. Charles, Mo. Electric motors. Serial No. 515,400; July 22. Class 21.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, and automobile battery chargers. Serial No. 515,015; July 22. Class 21.

Amity Manufacturing Co., Inc., Boyertown, Pa. Work garments. Serial No. 517,283; July 22. Class 39.

Anaconda Wire and Cable Company, New York, N. Y. Lead and lead alloys. Serial No. 510,471; July 22. Class 14.

Arctic Feather & Down Co.: *See*—
Bauer, Eddie.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys', and children's underwear and knitted outerwear. Serial No. 480,435; July 22. Class 39.

Associated Merchandising Corporation, New York, N. Y. Men's work clothing items. Serial No. 509,813; July 22. Class 39.

Associated Products, Inc., Chicago, Ill. Face lotions, skin bleaches, vanishing, cleansing, and cold cream, etc. Serial No. 505,546; July 22. Class 6.

Atlas Lubricant Corporation, New Oreleans, La. Motor lubricating oils. Serial No. 506,414; July 22. Class 15.

Atlas Underwear Company, The, Piqua, Ohio. Knitted underwear for men and boys. Serial No. 506,911; July 22. Class 39.

Barney's Clothes, Inc., New York, N. Y. Men's suits and men's top coats. Serial No. 503,277; July 22. Class 39.

Bauer, Eddie, doing business as Arctic Feather & Down Co., Seattle, Wash. Quilts and bed comforters. Serial No. 500,853; July 22. Class 42.

Best & Co., Inc., New York, N. Y. Umbrellas. Serial No. 507,099; July 22. Class 41.

Bethlehem Foundry and Machine Company, Bethlehem, Pa. Welded equipment or parts. Serial No. 485,125; July 22. Class 23.

Borden, Richard, Mills Corp., Fall River, Mass. Window curtains, window draperies, and door draperies, etc. Serial No. 508,246; July 22. Class 42.

Bristol Bay Packing Company, doing business under the name Alaska Salmon Company, Seattle, Wash. Canned fish. Serial No. 508,783; July 22. Class 46.

Bureau of National Affairs, The: *See*—
United States News Publishing Corporation.

Bureau of National Affairs, Inc., The, assignee: *See*—
United States News Publishing Corporation.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Sedative, vasodilator, cardiotonic, etc. Serial No. 509,559; July 22. Class 6.

Cahners, Norman L., doing business as Materials Handling Laboratories, Boston, Mass. Magazine. Serial No. 510,008; July 22. Class 38.

California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. Serial No. 511,374; July 22. Class 46.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 498,052; July 22. Class 42.

Chair-Loc Company, The, Freeport, N. Y. Liquid chemical products. Serial No. 508,208; July 22. Class 6.

Chicago Printed String Company, Chicago, Ill. Paper. Serial No. 509,919; July 22. Class 37.

Clayson, Violet, doing business as Figaro Mfg Co., Grand Rapids, Mich. Shaving cream. Serial No. 508,715; July 22. Class 4.

Coit Ranch, Inc., Firebaugh, Calif. Fresh cantaloupes. Serial No. 511,931; July 22. Class 46.

Colgate-Palmolive-Peet Company, Jersey City, N. J. After shave lotion. Serial No. 514,182; July 22. Class 6.

Commanditaire Vennootschap, Chemische Fabriek Rids, Ijmuiden, Holland. Deodorants, disinfectants, chemical products. Serial No. 496,887; July 22. Class 6.

Commanditaire Vennootschap Chemische Fabriek Rids, Ijmuiden, Holland. Pain-stilling pharmaceutical products, chemical products, chemical preparations, etc. Serial No. 496,891; July 22. Class 6.

Convisser, Ben, Jamaica, Long Island, N. Y. Game comprising game platform and checkers. Serial No. 508,791; July 22. Class 22.

Craftsmen's Guild, Hollywood, Calif. Viewers for viewing transparent film slides and film strips, mounts, etc. Serial No. 514,804; July 22. Class 26.

Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.

Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Creped paper liners. Serial No. 509,976; July 22. Class 37.

Cutin Laboratories Cranford, N. J. Medicinals for fungus infections, ringworm, athlete's foot, etc. Serial No. 509,924; July 22. Class 6.

Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton, rayon, nylon, etc. Serial No. 510,489; July 22. Class 42.

Dawer, Sig, & Co., Inc., New York, N. Y. Semi-precious stones, and ornamental jewelry. Serial No. 514,185; July 22. Class 28.

De Huyn, May, doing business as Maisies Manufacturing Co., New York, N. Y. Shoe insole liners. Serial No. 503,285. July 22. Class 39.

Del-Loy, Inc., Grand Rapids, Mich. Folding metal awnings. Serial No. 517,621; July 22. Class 12.

Di-Noc Company, The, Cleveland, Ohio. Photo-sensitized tracing cloth. Serial No. 514,187; July 22. Class 26.

Dow Corning Corporation, Midland, Mich. Compositions consisting of or containing organo polysiloxanes. Serial No. 503,980; July 22. Class 6.

Eagle Pencil Company New York, N. Y. Lead pencils, crayons, pencil leads, etc. Serial No. 515,261; July 22. Class 37.

Eddy's Shoes: *See*—
Stolzberg, Edward O.

Electro Voice, Inc., Buchanan, Mich. Microphones and microphone accessories. Serial No. 513,037; July 22. Class 21.

Elgin Laboratories, Inc., New York, N. Y. Preparation for the treatment or correction of drunkenness and hangovers, etc. Serial No. 512,493; July 22. Class 6.

Empire Tool Company, Detroit, Mich. Cutting-off blades, turret lathes, turning lathes, etc. Serial No. 504,666; July 22. Class 23.

Engram, J. E., Equipment Company, San Antonio, Tex. Road building equipment. Serial No. 514,420; July 22. Class 23.

Erilon S. A. R. L.: *See*—
Lenoir, Pierre.

Euclid Underwriting Corporation, The, Brooklyn, N. Y. Candy. Serial Nos. 507,719–20; July 22. Class 46.

Eureka Specialty Printing Co., Scranton, Pa. Gummed, perforated sheets of typewriter paper. Serial No. 494,598; July 22. Class 37.

Figaro Mfg Co.: *See*—
Clayson, Violet.

Firestone Tire & Rubber Company, The, Akron, Ohio. Knitted, braided, and/or woven wide elastic webbing, and elastic textile fabric. Serial No. 486,195; July 22. Class 42.

Fluorescent Products, Los Angeles, Calif. Electrical apparatus, machinery, and supplies. Serial No. 513,170; July 22. Class 21.

Galter Products Co., Chicago, Ill. Cameras, photographic lenses, and sensitized photographic films. Serial No. 514,267; July 22. Class 26.

Gantner & Mattern Company, San Francisco, Calif. Men's and women's swim suits and trunks. Serial No. 504,829; July 22. Class 39.

Gargiulo & Amendola, Inc., New York, N. Y. Fresh pineapples, fresh tomatoes, fresh peppers, etc. Serial No. 509,766; July 22. Class 46.

Geigy Company, Inc., New York, N. Y. Antispasmodicum, i. e., a preparation for relieving convulsions or spasms. Serial No. 511,873; July 22. Class 6.

General Aniline & Film Corporation, New York, N. Y. Non-ionic chemical liquid detergents. Serial No. 501,731; July 22. Class 4.

General Instrument Corporation, Elizabeth, N. J. Radio condensers and radio tuners. Serial No. 489,457; July 22. Class 21.

George, Chas. N., New York, N. Y. Textile table cloths and bridge table cloths. Serial No. 507,582; July 22. Class 42.

Gilco Laboratories, Los Angeles, Calif. Drug tablets. Serial No. 510,079; July 22. Class 6.

Gold Leaf and Metallic Powders Co., assignor to Gold Leaf and Metallic Powders Inc., New York, N. Y. Bronze powder, aluminum powder, copper powder, etc. Serial No. 489,114; July 22. Class 11.

Gold Leaf and Metallic Powders Inc., assignee: *See*—
Gold Leaf and Metallic Powders Co.

Grand Products Co., Chicago, Ill. Perfume dispensers. Serial No. 514,471; July 22. Class 28.

Grand Ridge Products Co., assignee: *See*—
Grandridge Products Company.

Grandridge Products Company, assignor to Grand Ridge Products Co., Grandridge, Ill. Automotive water pumps. Serial No. 512,969; July 22. Class 23.

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Air-Way Electric Appliance Corporation, Toledo, Ohio. Electrical suction cleaners and parts and accessories thereof. Serial No. 513,547; July 22. Class 21.

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Bristol Bay Packing Company.

Alleson Sportswear Company, Rochester, N. Y. Sport coats, cardigans, loafer coats, etc. Serial No. 518,740; July 22. Class 39.

American Motors Corporation, St. Charles, Mo. Electric motors. Serial No. 513,400; July 22. Class 21.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, and automobile battery chargers. Serial No. 515,015; July 22. Class 21.

Amity Manufacturing Co., Inc., Boyertown, Pa. Work garments. Serial No. 517,283; July 22. Class 39.

Anaconda Wire and Cable Company, New York, N. Y. Lead and lead alloys. Serial No. 510,471; July 22. Class 14.

Arctic Feather & Down Co.: *See*—
Bauer, Eddie.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys', and children's underwear and knitted outerwear. Serial No. 480,435; July 22. Class 39.

Associated Merchandising Corporation, New York, N. Y. Men's work clothing items. Serial No. 509,813; July 22. Class 39.

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Atlas Underwear Company, The, Piqua, Ohio. Knitted underwear for men and boys. Serial No. 506,911; July 22. Class 39.

Barney's Clothes, Inc., New York, N. Y. Men's suits and men's top coats. Serial No. 503,277; July 22. Class 39.

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Bethlehem Foundry and Machine Company, Bethlehem, Pa. Welded equipment or parts. Serial No. 485,125; July 22. Class 23.

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Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 498,052; July 22. Class 42.

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Clayson, Violet, doing business as Figaro Mfg Co., Grand Rapids, Mich. Shaving cream. Serial No. 504,715; July 22. Class 4.

Inc., Pittsburgh, [illegible] fresh cantaloupes. [illegible]; July [illegible]

Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Creped paper liners. Serial No. 509,976; July 22. Class 37.

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Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton, rayon, nylon, etc. Serial No. 510,489; July 22. Class 42.

Dawer, Sig, & Co., Inc., New York, N. Y. Semi-precious stones, and ornamental jewelry. Serial No. 514,185; July 22. Class 28.

De Huyn, May, doing business as Maisies Manufacturing Co., New York, N. Y. Shoe insole liners. Serial No. 503,285. July 22. Class 39.

Del-Loy, Inc., Grand Rapids, Mich. Folding metal awnings. Serial No. 517,621; July 22. Class 12.

Di-Noc Company, The, Cleveland, Ohio. Photo-sensitized tracing cloth. Serial No. 514,187; July 22. Class 26.

Dow Corning Corporation, Midland, Mich. Compositions consisting of or containing organo polysiloxanes. Serial No. 503,980; July 22. Class 6.

Eagle Pencil Company New York, N. Y. Lead pencils, crayons, pencil leads, etc. Serial No. 515,261; July 22. Class 37.

Eddy's Shoes: *See*—
Stolzberg, Edward O.

Electro Voice, Inc., Buchanan, Mich. Microphones and microphone accessories. Serial No. 513,037; July 22. Class 21.

Elgin Laboratories, Inc., New York, N. Y. Preparation for the treatment or correction of drunkenness and hangovers, etc. Serial No. 512,493; July 22. Class 6.

Empire Tool Company, Detroit, Mich. Cutting-off blades, turret lathes, turning lathes, etc. Serial No. 504,666; July 22. Class 23.

Engram, J. E., Equipment Company, San Antonio, Tex. Road building equipment. Serial No. 514,420; July 22. Class 23.

Erilon S. A. R. L.: *See*—
Lenoir, Pierre.

Euclid Underwriting Corporation, The, Brooklyn, N. Y. Candy. Serial Nos. 507,719–20; July 22. Class 46.

Eureka Specialty Printing Co., Scranton, Pa. Gummed, perforated sheets of typewriter paper. Serial No. 494,598; July 22. Class 37.

Figaro Mfg Co.: *See*—
Clayson, Violet.

Firestone Tire & Rubber Company, The, Akron, Ohio. Knitted, braided, and/or woven wide elastic webbing, and elastic textile fabric. Serial No. 486,195; July 22. Class 42.

Fluorescent Products, Los Angeles, Calif. Electrical apparatus, machinery, and supplies. Serial No. 513,170; July 22. Class 21.

Galter Products Co., Chicago, Ill. Cameras, photographic lenses, and sensitized photographic films. Serial No. 514,267; July 22. Class 26.

Gantner & Mattern Company, San Francisco, Calif. Men's and women's swim suits and trunks. Serial No. 504,829; July 22. Class 39.

Gargiulo & Amendola, Inc., New York, N. Y. Fresh pineapples, fresh tomatoes, fresh peppers, etc. Serial No. 509,766; July 22. Class 46.

Geigy Company, Inc., New York, N. Y. Antispasmodicum, i. e., a preparation for relieving convulsions or spasms. Serial No. 511,873; July 22. Class 6.

General Aniline & Film Corporation, New York, N. Y. Non-ionic chemical liquid detergents. Serial No. 501,731; July 22. Class 4.

General Instrument Corporation, Elizabeth, N. J. Radio [illegible] and radio tuners. Serial No. [illegible]
[illegible] 21.

[illegible] N., New York, N. Y. [illegible]
[illegible] table cloths. Serial [illegible]

Gunderson, Gustav, Tremont, Pa. Electric iron cord holders. Serial No. 513,051; July 22. Class 21.
Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 512,588; July 22. Class 39.
Heiferman & Berger, Inc., New York, N. Y. Costume jewelry. Serial No. 513,508; July 22. Class 28.
Hull Manufacturing Company, Warren, Ohio. Compasses and parts thereof. Serial No. 511,947; July 22. Class 26.
Hunt, Horace A., Chicago, Ill. Window ventilator remote control device. Serial No. 513,417; July 22. Class 21.
Imex Corporation, Camden, N. J. Preparation for tanning leather. Serial Nos. 505,838–9; July 22. Class 6.
Inter-Hamol S. A., Zurich, Switzerland. Toilet cream and lotions. Serial No. 511,555; July 22. Class 6.
Jaffe, A. Arthur, doing business as Mighty Foam Co., Scranton, Pa. Cleaning preparations. Serial No. 508,428; July 22. Class 4.
James, Chesney S., New Westminster, British Columbia, Canada. Raw and finished fur skins, and live mink. Serial No. 505,937; July 22. Class 1.
Jones, Mamie L., Atlanta, Ga. Hand lotion, hair pomade, and cold cream. Serial No. 506,668; July 22. Class 6.
Jordan, Carroll T., Hartsville, S. C. Watermelons and cantaloupes. Serial No. 506,942; July 22. Class 46.
Kaupp, Raymond T., Portland, Oreg. Medicinal ointment. Serial No. 489,740; July 22. Class 6.
Keares, John H., Ephrata, Pa. Hair tonic, hair ointment, and hair salve. Serial No. 509,517; July 22. Class 6.
Knox Stove Works, Knoxville, Tenn. Oil, coal, and wood burning heating stoves. Serial No. 518,535; July 22. Class 34.
Knox Stove Works, Knoxville, Tenn. Coal, wood, oil, and gas, etc., ranges and cooking stoves. Serial No. 518,536; July 22. Class 34.
Lake Cove Growers, Inc., Finley, Calif. Fresh deciduous fruits. Serial No. 512,426; July 22. Class 46.
Lanteen Medical Laboratories, Inc., Chicago, Ill. Preparation in tablet form used for relief from radiation sickness, etc. Serial No. 512,513; July 22. Class 6.
La-Ray Products: *See*—
Peterson, Kurt R.
Las: *See*—
Stern, Louis A.
Lasdon, Philip S., doing business as Reduction and Refining Company, Newark, N. J. Hydrogen reduced tungsten metal powder and hydrogen reduced cobalt metal powder. Serial Nos. 504,982–4; July 22. Class 14.
Laucks, I. F., Inc., assignor to Monsanto Chemical Company, Seattle, Wash. Insecticide in powdered and liquid form. Serial No. 488,859; July 22. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 512,744; July 22. Class 6.
Lenni Laboratories, Philadelphia and Lenni, Pa. Hand lotion, skin lotion, and sunburn lotion. Serial No. 505,501; July 22. Class 6.
Lenoir, Pierre, doing business as Erilon S. A. R. L., Paris, France. Perfume, rouge, dentifrice, etc. Serial No. 506,536; July 22. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 499,246; July 22. Class 6.
Maisies Manufacturing Co.: *See*—
De Huyn, May.
Martini Frocks, New York, N. Y. Women's and young misses' evening gowns, hostess gowns, dresses, etc. Serial No. 492,329; July 22. Class 39.
Materials Handling Laboratories: *See*—
Cahners, Norman L.
Mid-West Metallic Products, Inc., Cleveland, Ohio. Clothesline reels. Serial No. 514,055; July 22. Class 24.
Midwestern Tool Company, Chicago, Ill. Milling cutters. Serial No. 495,551; July 22. Class 23.
Mighty Foam Co.: *See*—
Jaffee, A. Arthur.
Monarch Chemical Company, New Orleans, La. Insecticides. Serial No. 495,553; July 22. Class 6.
Monsanto Chemical Company, assignee: *See*—
Laucks, I. F., Inc.
Mnnising Paper Company, The, Chicago, Ill.. Fibrous material impregnated and coated with resinous material. Serial No. 493,801; July 22. Class 20.
Murphy, John W., doing business as Murphy Laboratories, assignor to Murphy Laboratories Inc., Upper Darby, Pa. Bath oil. Serial No. 501,676; July 22. Class 6.
Murphy Laboratories: *See*—
Murphy, John W.
Murphy Laboratories Inc.: *See*—
Murphy, John W.
Narragansett Machine Company, Pawtucket, R. I. Nonantomatic portable crane. Serial No. 500,556; July 22. Class 23.
National Oil Products Company, Harrison, N. J., now by change of name Nopco Chemical Company. Wetting agent. Serial No. 501,469; July 22. Class 11.
New York Wallpaper and Paint Co., Inc., Perth Amboy, N. J. Wallpaper. Serial No. 510,607; July 22. Class 37.
Nopco Chemical Company: *See*—
National Oil Products Company.
Nusbaum, Lee, doing business as Pennsylvania Engineering Company, Philadelphia, Pa. Deodorants. Serial No. 510,191; July 22. Class 6.
Nusrala-Bowen Shoe Company, Inc., St. Louis, Mo. Shoes. Serial No. 512,444; July 22. Class 39.
Ohio Brass Company, The, Mansfield, Ohio. Electric cable connectors or plugs. Serial No. 511,571; July 22. Class 21.
Okonite-Callender Cable Company, Incorporated, The, Passaic, N. J. Sheaths for electric cables. Serial No. 501,585; July 22. Class 21.
Omni Products Corporation, New York, N. Y. Thermoplastic molding compounds, cast resins, oil soluble resins, etc. Serial No. 508,807; July 22. Class 1.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Preparation for the treatment and relief of coughs. Serial No. 476,879; July 22. Class 6.
Ortho Pharmaceutical Corporation, Linden, N. J. Vaginal creams and jellies, antiseptic preparations, etc. Serial No. 500,563; July 22. Class 6.
Pacific Electric Mfg. Corporation, San Francisco, Calif. Electrical apparatus and equipment. Serial No. 510,337; July 22. Class 21.
Padi Clothes Company, Philadelphia, Pa. Men's clothing. Serial No. 509,239; July 22. Class 39.
Parfums Verlayne, Société à Responsabilité Limitée, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 508,545; July 22. Class 6.
Parke, Davis & Company, Detroit, Mich. Preparation of amino acids and vitamins. Serial No. 509,593; July 22. Class 6.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's and boys' belts intended for personal wear, hats; shoes, etc. Serial No. 509,949; July 22. Class 39.
Pennsylvania Engineering Company: *See*—
Nusbaum, Lee.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 509,532; July 22. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Herbicides. Serial No. 509,533; July 22. Class 6.
Peterson, Kurt R., doing business under the name La-Ray Products, Elgin, Ill. Cream oil hair dress and oil shampoos. Serial No. 506,261; July 22. Class 6.
Plant Products Corporation, Blue Point, N. Y. Insecticide containing compounds useful as a fertilizer. Serial No. 499,072; July 22. Class 6.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Brooms, bath brushes, scrubbing brushes, etc. Serial No. 516,503; July 22. Class 29.
Preferred Products Company, Toledo, Ohio. Bolt and nut wrenches. Serial No. 500,244; July 22. Class 23.
Pressing Supply Company, Philadelphia, Pa. Ironing board pads and ironing board pad covers. Serial No. 516,572; July 22. Class 24.
Primrose House, Inc., New York, N. Y. Face powders, rouge skin creams, perfumes, colognes, etc. Serial No. 503,995; July 22. Class 6.
Prunty Seed & Grain Company, St. Louis, Mo. Raw popcorn. Serial No. 511,640; July 22. Class 46.
Reduction and Refining Company: *See*—
Lasdon, Philip S.
Rosanne Manufacturing Company, Inc., York, Pa. Brassières and garters. Serial No. 512,931; July 22. Class 39.
Ross, M. C., Mfg. Co., Inc., New York, N. Y. Boys' and girls' blouses and shirts and girls' dresses. Serial No. 510,115; July 22. Class 39.
Ross, M. C., Mfg. Co. Inc., New York, N. Y. Boys' and girls'' blouses and shirts and girls' dresses. Serial No. 510,201; July 22. Class 39.
Ross & Roberts, Inc., West Haven, Conn. Transparent or translucent vinyl plastic film. Serial No. 499,078; July 22. Class 42.
Roth Fabrics of California, Los Angeles, Calif. Piece goods of cotton, rayon, and/or mixtures thereof. Serial No. 507,274; July 22. Class 42.
Rudelle Laboratories, Chicago, Ill. Preparation for acne, itch, eczema, poison ivy, etc. Serial No. 486,504; July 22. Class 6.
Russell & Stoll Company, Inc., New York, N. Y. Switches. Serial No. 515,052; July 22. Class 21.
S. & H. Co.: *See*—
Selmer, Alois.
Schwartz, Melvin M., Madison, Wis. Greeting and announcement cards and publications. Serial No. 508,068; July 22. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Vitamin capsules. Serial No. 492,965; July 22. Class 6.
Selmer, Alois, doing business as S. & H. Co., New York, N. Y. Snuff. Serial No. 509,536; July 22. Class 17.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in antibacterial therapy. Serial No. 511,836; July 22. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Rectal suppository. Serial No. 512,753–4; July 22. Class 6.
Sharp & Dohme, Incorporated, Chicago, Ill. Preparation for use in antibacterial therapy. Serial No. 512,993; July 22. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Lozenge or troche. Serial No. 512,994; July 22. Class 6.
Société Anonyme des Etablissements Roure-Bertrand Fils et Justin Dupont, Paris, France. Synthetic oils and aromatic chemicals. Serial No. 511,904; July 22. Class 6.

Société Anonyme des Etablissements Roure-Bertrand Fils et Justin Dupont, Paris, France. Concentrated natural flower oils, concentrated natural flower essences, and extracts. Serial No. 511,905; July 22. Class 6.
Solid Set, South San Francisco, Calif. Publication. Serial No. 497,982; July 22. Class 38.
Southwestern DDT Corporation, Dallas, Tex. Insecticide. Serial No. 493,842; July 22. Class 6.
Sparta Pipes, Inc., Sparta, N. C. Smoker's pipes and parts therefor. Serial No. 510,118; July 22. Class 8.
Spielmann, Hermann, & Son, Inc., New York, N. Y. Neckties. Serial No. 512,589; July 22. Class 39.
Steckler, Nat P., New York, N. Y. Safety razors and safety razor blades, cutters, etc. Serial No. 506,616; July 22. Class 23.
Steele, H., y Cia., S. A., Mexico City, Mexico. Printing ink, writing ink, ink oils, etc. Serial No. 503,611; July 22. Class 11.
Stern, Louis A., doing business as Las, Los Angeles, Calif. Cologne. Serial No. 507,863; July 22. Class 6.
Stith, M. L. & M. J., San Antonio, Tex. Rifle telescope sights. Serial No. 512,190; July 22. Class 26.
Stolzberg, Edward O., doing business as Eddy's Shoes, Boston, Mass. Men's, women's, and children's shoes and slippers. Serial No. 514,570; July 22. Class 39.
Stuart Company, St. Paul, Minn. Stuffed dolls, containing sachet, perfume or the like. Serial No. 500,426; July 22. Class 40.
Sun Oil Company, Philadelphia, Pa. Microcrystalline and crystalline petroleum wax. Serial No. 514,785; July 22. Class 6.
Sun Oil Company, Philadelphia, Pa. Microcrystalline petroleum wax. Serial No. 515,203; July 22. Class 6.
Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Sawed and planed lumber, building paper and composition wall board. Serial No. 483,939; July 22. Class 12.
Tenalith Products, Inc., New York, N. Y. Kitchen tables, dining room tables, coffee tables, etc. Serial No. 493,935; July 22. Class 32.
Tennessee Eastman Corporation, Kingsport, Tenn. Chemical composition. Serial No. 506,557; July 22. Class 6.
Texas Fruit Growers, Weatherford, Tex. Fresh deciduous fruit. Serial No. 505,457; July 22. Class 46.
Thomas, M. & W., Co., New York, N. Y. Silk, rayon, woolen, etc., piece goods. Serial No. 505,706; July 22. Class 42.
Tiny-Tot Gifts of Hollywood, Los Angeles, Calif. Gift cards, published letters, and printed books. Serial No. 501,097; July 22. Class 38.
Turner Hall Corporation, New York, N. Y. Hair waving preparations. Serial No. 494,243; July 22. Class 6.
Tweedie Footwear Corporation, Jefferson City, Mo. Men's, women's, and children's shoes. Serial No. 509,183; July 22. Class 39.
United States News Publishing Corporation, doing business as The Bureau of National Affairs, assignor to The Bureau of National Affairs, Inc., Washington, D. C. Periodical publications. Serial No. 509,746; July 22. Class 38.
Vie-Char Chemical Company, Minneapolis, Minn. Hair tonic. Serial No. 511,915; July 22. Class 6.
Webster Electric Company, Racine, Wis. Audio-frequency amplifiers. Serial No. 515,594; July 22. Class 21.
Weimet Photo Products Company, New York, N. Y. Cameras. Serial No. 515,057; July 22. Class 26.
Weiner, Joseph W., Portsmouth, England. Cigarettes. Serial No. 503,781; July 22. Class 17.
Western Waterproofing Company, St. Louis, Mo. Mortar. Serial No. 518,183; July 22. Class 12.
Westerners, The, Chicago, Ill. Publications. Serial No. 509,482; July 22. Class 38.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric laundry washers. Serial No. 516,387; July 22. Class 24.
Weymouth Art Leather Company, South Braintree, Mass. Coated cloth resembling artificial leather. Serial No. 508,397; July 22. Class 50.
Wheatstone, C., & Company Limited, London, England. Concertinas. Serial No. 501,036; July 22. Class 36.
White Textiles, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 511,585; July 22. Class 42.
Wiggin, Henry, & Company Limited, London, England. Cast and wrought alloys of nickel. Serial No. 509,120; July 22. Class 14.
Williamston Shirt Company, Williamston, S. C. Men's dress shirts, men's and boys' sport shirts, etc. Serial No. 504,814; July 22. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A & H Binder Company, Boston, Mass. Women's, misses', and girls' skirts, slacks, suits, etc. 431,530; July 22. Class 39.
Academy Award Products, Inc., New York, N. Y. Smokers' pipes, and cigar and cigarette holders. 431,410; July 22; Serial No. 500,343; published Apr. 29, 1947. Class 8.
Academy Award Products, Inc., New York, N. Y. Smoking tobacco, cigars, and cigarettes. 431,411; July 22; Serial No. 500,347; published Apr. 22, 1947. Class 17.
Academy Award Products, Inc., New York, N. Y. Jewelry, finger rings, brooches, etc. 431,413; July 22; Serial No. 500,443; published Apr. 15, 1947. Class 28.
Alamak Juniors, New York, N. Y. Women's, misses', and junior misses' coats and suits. 431,527; July 22. Class 39.
Allied Chemical & Dye Corporation: *See*—
Barrett Company, The.
Barrett Manufacturing Company.
National Aniline & Chemical Company, Incorporated.
National Coal Tar Company.
Allied Food Industries, Inc., Perth Amboy, N. J. Sweetener of low calorie content in tablet form. 431,529; July 22. Class 46.
Amberg File and Index Company, Kankakee, Ill. Scrap books and albums. 431,466; July 22; Serial No. 506,286; published Apr. 15, 1947. Class 37.
American Cone & Pretzel Company: *See*—
Oakdale Baking Company.
American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 431,475–6; July 22; Serial Nos. 506,852–3; published Apr. 29, 1947. Class 46.
American Hide and Leather Company, Boston, Mass. Side upper leather. 226,411; renewed Apr. 5, 1947. O. G. July 22. Class 1.
American Hide and Leather Company, Boston, Mass. Bag and case leather. 226,984; renewed Apr. 26, 1947. O. G. July 22. Class 1.
American Hide and Leather Company, Boston, Mass. Side upper leather. 226,985; renewed Apr. 26, 1947. O. G. July 22. Class 1.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead-pencils and point-protectors. 60,469; re-renewed Feb. 12, 1947. O. G. July 22. Class 37.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y. Sweetened condensed milk. 221,647; renewed Dec. 7, 1946. O. G. July 22. Class 46.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y. Sweetened condensed milk. 221,745; renewed Dec. 7, 1946. O. G. July 22. Class 46.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y. Unsweetened evaporated milk. 221,800; renewed Dec. 14, 1946. O. G. July 22. Class 46.
American Needlecrafts, Inc., New York, N. Y. Crib covers, quilts, carriage sets, etc. 431,398; July 22; Serial No. 494,421; published Apr. 22, 1947. Class 42.
American Seating Company, Grand Rapids, Mich. Classroom furniture. 431,491; July 22; Serial No. 508,639; published Apr. 29, 1947. Class 32.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton and thread. 62,385; re-renewed May 7, 1947. O. G. July 22. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton and thread. 62,387–8; re-renewed May 7, 1947. O. G. July 22. Class 43.
American Girl Shoe Co., Boston, Mass. Shoes. 431,520; July 22. Class 39.
Archer, A. W., Co. Inc., New York, N. Y. Twine, rope and cord. 227,218; renewed May 3, 1947. O. G. July 22. Class 7.
Archie Comic Publications, Inc., New York, N. Y., and St. Louis, Mo. Magazine. 431,459; July 22; Serial No. 506,083; published Apr. 29, 1947. Class 38.
Arctic Feather & Down Co.: *See*—
Bauer, Eddie.
Atlantic Southwestern Broom Company, Baltimore, Md. Brooms. 431,452; July 22; Serial No. 505,884; published Apr. 22, 1947. Class 29.
Automatic Canteen Company of America, Chicago, Ill. Sandwiches. 431,490; July 22; Serial No. 508,508; published Apr. 29, 1947. Class 46.
B & W Fruit Company, Inc., Groveland, Fla. Canned citrus juices. 431,443; July 22; Serial No. 505,382; published Apr. 29, 1947. Class 46.
Babbitt, B. T., Inc., New York, N. Y. Caustic soda. 227,310; renewed May 3, 1947. O. G. July 22. Class 6.
Babcock, A. P., Company, New York, N. Y., to A. P. Babcock Company, Rutherford, N. J. Cologne. 227,973; renewed May 17, 1947. O. G. July 22. Class 6.
Barclay & Barclay, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Medicated preparation. 60,825; re-renewed Feb. 19, 1947. O. G. July 22. Class 6.

Barclay & Barclay, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Medicinal syrup, medicinal pills, liniment, etc. 61,232; re-renewed Mar. 12, 1947. O. G. July 22. Class 6.

Barclay & Barclay, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. 61,285–6; re-renewed Mar. 12, 1947. O. G. July 22. Class 4.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Solvents in the nature of benzol and its homologues. 228,442; renewed Feb. 1, 1947. O. G. July 22. Class 6.

Barrett Manufacturing Company, Philadelphia, Pa., to Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar products, excepting dyes. 29,556; re-renewed Feb. 2, 1947. O. G. July 22. Class 6.

Barrett Manufacturing Company, to Allied Chemical & Dye Corporation, New York, N. Y. Ready tar and felt roofing. 60,603; re-renewed Feb. 19, 1947. O. G. July 22. Class 12.

Barron-Gray Packing Company, San Jose, Calif. Canned fruit juices and canned vegetable juices. 431,441; July 22; Serial No. 505,175; published Apr. 22, 1947. Class 46.

Bates & Klinke, Inc., Attleboro, Mass. Jewelry. 431,498; July 22; Serial No. 509,327; published Apr. 29, 1947. Class 28.

Bates Manufacturing Company, The, Orange, N. J. Index devices. 431,427; July 22; Serial No. 503,491; published Apr. 29, 1947. Class 37.

Baton Rouge Coffee Mills: *See*—
Saurage, Henry N.

Bauer & Black, Chicago, Ill., to The Kendall Company, Walpole, Mass. Corn and bunion plasters. 61,694; re-renewed Apr. 2, 1947. O. G. July 22. Class 6.

Bauer & Black, Chicago, Ill., to The Kendall Company, Walpole, Mass. Corn and bunion plasters. 61,937; re-renewed Apr. 9, 1947. O. G. July 22. Class 6.

Bauer, Eddie, doing business as Arctic Feather & Down Co., Seattle, Wash. Men's and women's street clothes and sportswear. 431,514; July 22. Class 39.

Beacon Radio Mfg. Co., Inc., Brooklyn, to Pilot Radio Corporation, Long Island, N. Y. Condensers, jacks, plugs, etc. 216,137; renewed Aug. 3, 1947. O. G. July 22. Class 21.

Beau Brummell Ties, Inc.: *See*—
Weisbaum Bros.-Brower.

Becker, Emilie M., administratrix of the estate of Thomas H. Coll, deceased, doing business as Richmond Engineering Company, assignor to Richmond Metal and Plastics Corporation, Philadelphia, Pa. Kitchen cabinets, utility cabinets, wardrobes, etc. 431,387; July 22; Serial No. 490,735; published Feb. 11, 1947. Class 32.

Beir, Arthur, & Co., Inc., New York, N. Y. Cotton, silk, silk and cotton mixed, etc., piece goods. 224,244; renewed Feb. 22, 1947. O. G. July 22. Class 42.

Berg, Charles F., to Charles F. Berg, Inc., Portland, Oreg. Hosiery. 227,653; renewed May 10, 1947. O. G. July 22. Class 39.

Berg, Charles F., Inc.: *See*—
Berg, Charles F.

Berland, Joseph, New York, N. Y. Finger rings. 431,401; July 22; Serial No. 495,533; published Apr. 29, 1947. Class 28.

Bettner, John M., New York, N. Y. Computing slide rule device. 431,537; July 22. Class 26.

Bixler Corporation, The, Cleveland, Ohio. Shaving brushes. 431,485; July 22; Serial No. 507,456; published Apr. 22, 1947. Class 29.

Bleu Blanc Rouge Publications, Inc., New York, N. Y. Magazine. 431,450; July 22; Serial No. 505,728; published Apr. 29, 1947. Class 38.

Blood Balm Company, Atlanta, Ga., to Standard Laboratories, Inc., New York, N. Y. Remedy for the alleviation and cure of blood diseases. 62,679; re-renewed May 21, 1947. O. G. July 22. Class 6.

Borden Company, The: *See*—
Maricopa Creamery Co.

Borgenicht Bros., Inc., New York, N. Y. Children's dresses. 431,550; July 22. Class 39.

Bosisto, J., & Co., to J. Bosisto & Co., Proprietary Limited, Richmond, Victoria, Australia. Oil of eucalyptus or rheumatic oil. 29,261; re-renewed Dec. 8, 1946. O. G. July 22. Class 6.

Bosisto, J., & Co., Proprietary Limited: *See*—
Boaisto, J., & Co.

Boyd-Richardson Company, St. Louis, Mo. Leather shoes. 431,391; July 22; Serial No. 492,357; published Apr. 8, 1947. Class 39.

Boyd-Richardson Company, St. Louis, Mo. Men's suits, overcoats, topcoats, etc. 431,400; July 22; Serial No. 494,735; published Apr. 15, 1947. Class 39.

Brody, Joseph, & Bros., Inc., Chicago, Ill. Women's coats. 431,494; July 22; Serial No. 508,972; published Apr. 22, 1947. Class 39.

Brooks Brothers, New York, N. Y. Smoking tobacco. 431,448; July 22; Serial No. 505,635; published Apr. 15, 1947. Class 17.

Brownie's Blockprints, Inc., New York, N. Y. Greeting cards. 431,406; July 22; Serial No. 499,041; published Apr. 29, 1947. Class 38.

Browning King Co. of New York, Inc., The, New York, N. Y. Outer shirts, pajamas, and underwear. 431,543; July 22. Class 39.

Bucklen, H. E., & Company, to Standard Laboratories, Inc., New York, N. Y. Remedies for disordered liver, biliousness, and constipation, etc. 226,561; renewed Apr. 12, 1947. O. G. July 22. Class 6.

Bulova Watch Company, Inc., New York, N. Y. Watches. 431,492–3; July 22; Serial Nos. 508,708–9; published Apr. 22, 1947. Class 27.

Business News Publishing Company, Detroit, Mich. Printed books. 431,456; July 22; Serial No. 506,003; published Apr. 29, 1947. Class 38.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Fertilizers. 431,438; July 22; Serial No. 504,742; published Apr. 15, 1947. Class 10.

Callite Tungsten Corporation, Union City, N. J. Permanent tungsten electrodes. 431,509; July 22. Class 21.

Campbell, Joseph, Company, to Campbell Soup Company, Camden, N. J. Catchup. 57,712; re-renewed Nov. 27, 1946. O. G. July 22. Class 46.

Campbell Soup Company: *See*—
Campbell, Joseph, Company.

Carafiol-Silverman Co.: *See*—
Carafiol-Silverman Garment Co.

Carafiol-Silverman Garment Co., to Carafiol-Silverman Co., St. Louis, Mo. Wearing apparel for women, misses, juniors, and children. 227,515; renewed May 10, 1947. O. G. July 22. Class 39.

Carbo-Septic Corporation, New York, N. Y. Gargles for throat affections and mouth washes. 226,463; renewed Apr. 12, 1947. O. G. July 22. Class 6.

Carleton & Hovey, to Father John's Medicine Company, Inc., Lowell, Mass. Remedy for lung and throat troubles. 62,684; re-renewed May 21, 1947. O. G. July 22. Class 6.

Carlisle Sportswear, New York, N. Y. Ladies' knitted sweaters. 431,525; July 22. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods made of cellulose derivatives. 431,372; July 22; Serial No. 471,789; published Apr. 15, 1947. Class 42.

Chain Shirt Shops Inc., to Phillips-Jones Corporation, New York, N. Y. Cloaks, overcoats, sweaters, etc. 226,165; renewed Apr. 5, 1947. O. G. July 22. Class 39.

Champion Coated Paper Company, The, to The Champion Paper and Fibre Company, Hamilton, Ohio. Printing paper. 225,583; renewed Mar. 22, 1947. O. G. July 22. Class 37.

Champion Paper and Fibre Company, The: *See*—
Champion Coated Paper Company, The.

Charmette Fabrics Company, Inc.: *See*—
Chopak Textile Co., Inc.

Chemical Manufacturing & Distributing Company, Easton, Pa. Powdered cleaning compound. 431,416; July 22; Serial No. 501,310; published Apr. 22, 1947. Class 4.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum-jelly preparations. 227,376; renewed May 3, 1947. O. G. July 22. Class 6.

Chopak Textile Co., Inc., to Charmette Fabrics Company, Inc., New York, N. Y. Artificial-silk, silk, and cotton piece goods and combinations thereof, etc. 228,309; renewed May 31, 1947. O. G. July 22. Class 42.

Cincinnati Bickford Tool Company, The, Oakley, Cincinnati, Ohio. Power-driven upright and radial drilling machines. 224,995; renewed Mar. 8, 1947. O. G. July 22. Class 23.

Clark, D. L., Company, The, Pittsburgh, Pa. Confection consisting of popcorn, peanuts, molasses, and sugar. 431,442; July 22; Serial No. 505,185; published Apr. 29, 1947. Class 46.

Clark, Robt. Ingham, & Co., Ltd., to Pinchin, Johnson & Co., Limited, London, England. Varnish and japans. 59,455; re-renewed Jan. 8, 1947. O. G. July 22. Class 16.

Clark Thread Company, The, Newark, N. J. Sewing-cotton or cotton thread. 61,841; re-renewed Apr. 9, 1947. O. G. July 22. Class 43.

Clark Thread Company, The, Newark, N. J. All kinds of cotton thread. 62,022; re-renewed Apr. 16, 1947. O. G. July 22. Class 43.

Claro Milling Company, to Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 225,068; renewed Mar. 8, 1947. O. G. July 22. Class 46.

Claro Milling Company, to Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 225,612; renewed Mar. 22, 1947. O. G. July 22. Class 46.

Clausen and Company, Charlotte, N. C. Shoes. 431,436; July 22; Serial No. 504,605; published Apr. 15, 1947. Class 39.

Cohn, Gustav, New York, N. Y. Slippers. 431,488; July 22; Serial No. 508,100; published Apr. 29, 1947. Class 39.

Coll, Thomas H., The Estate of: *See*—
Becker, Emilie M.

Columbia Skirt & Sportswear Co., Boston, Mass. Women's and girls' skirts, suits, jackets, etc. 431,522; July 22. Class 39.

Community Coffee Mills: *See*—
Saurage, Henry N.

Concrete Pipe Company, Portland, Oreg. Concrete pipes. 221,586; renewed Dec. 7, 1946. O. G. July 22. Class 12.

Condé Nast Publications, Inc., The, New York, N. Y., and Greenwich, Conn., to The Condé Nast Publications, Inc., New York, N. Y. Paper dress patterns. 227,966; renewed May 17, 1947. O. G. July 22. Class 26.

Cone Export and Commission Company, New York, N. Y. Fabrics comprising cotton, wool, linen, etc. 431,373; July 22; Serial No. 476,008; published Apr. 22, 1947. Class 42.

Confectioners Journal Publishing Company, The, Philadelphia, Pa. Periodical. 61,437; re-renewed Mar. 19, 1947. O. G. July 22. Class 38.

Consolidated Cosmetics, Chicago, Ill. Calendars, publications, bulletins, etc. 431,417; July 22; Serial No. 501,441; published Apr. 29, 1947. Class 38.

Courier Papeteries, Minneapolis, Minn. Stationery. 431,440; July 22; Serial No. 505,145; published Apr. 15, 1947. Class 37.

Cudahy Packing Company, The, Chicago, Ill. and South Omaha, Nebr., to The Cudahy Packing Company, Chicago, Ill. Abrasive cleansing, polishing, and scouring preparations. 62,127; re-renewed Apr. 23, 1947. O. G. July 22. Class 4.

Daviess County Distilling Co., The, Owensboro, Ky., to National Distillers Products Corporation, New York, N. Y. Whisky. 62,722; re-renewed May 21, 1947. O. G. July 22. Class 49.

Davis Manufacturing Company, to Davis Manufacturing Co., Inc., Knoxville, Tenn. Food-flavoring extracts. 217,117; renewed Aug. 24, 1946. O. G. July 22. Class 46.

Davis Manufacturing Co., Inc.: *See*—
Davis Manufacturing Company.

Deco Manufacturing Company, Inc., Los Angeles, Calif. Mops, brushes, and dusters. 431,457; July 22; Serial No. 506,015; published Apr. 15, 1947. Class 29.

Diamond Craft of America: *See*—
Ludel, William.

Diamond Craft of America, Inc., assignee: *See*—
Ludel, William.

Disney Hats, New York, N. Y., to The Frank H. Lee Company, Danbury, Conn. Caps and hats. 219,621; renewed Oct. 19, 1946. O. G. July 22. Class 39.

Disney Hats, New York, N. Y., to The Frank H. Lee Company, Danbury, Conn. Caps and hats. 219,642; renewed Oct. 19, 1946. O. G. July 22. Class 39.

Doughnut Corporation of America: *See*—
Goldhill, Edward S.

Douglas, W. L., Shoe Co., Brockton, Mass. Boots, shoes, and slippers. 431,487; July 22; Serial No. 507,894; published Apr. 22, 1947. Class 39.

Dyer's Ground Gripper Shoe Store, Inc., Madison, Wis., now by change of name Dyer's Shoe Stores, Inc. Shoes. 431,518; July 22. Class 39.

Dyer's Shoe Stores, Inc.: *See*—
Dyer's Ground Gripper Shoe Store, Inc.

East Weymouth Wool Scouring Co., The, East Weymouth, Mass. Wool grease. 431,383; July 22; Serial No. 488,996; published Apr. 22, 1947. Class 1.

Edward Valve and Manufacturing Co., The, to Edward Valves, Incorporated, East Chicago, Ind. Valves for controlling flow of fluids. 222,521; renewed Jan. 4, 1947. O. G. July 22. Class 13.

Edward Valves, Incorporated: *See*—
Edward Valve and Manufacturing Co., The.

Electronic Appliances Corp., Bronx, N. Y. Inflatable pillows. 431,421; July 22; Serial No. 502,280; published Apr. 22, 1947. Class 32.

Ellis, Wilbur, Company, San Francisco, Calif. Fertilizer. 227,803; renewed May 17, 1947. O. G. July 22. Class 10.

Elzey, Howard R., Upper Darby, Pa. Philatelic accessory. 431,444; July 22; Serial No. 505,402; published Apr. 22, 1947. Class 37.

Engel, N., & Company, New York, N. Y. Watches, watch movements and parts of the same. 431,430; July 22; Serial No. 504,102; published Apr. 29, 1947. Class 27.

Ennest, J., Company, Detroit, Mich. Silver polish having incidental properties as a silver plating preparation. 431,422; July 22; Serial No. 502,741; published Apr. 22, 1947. Class 4.

Escondido Citrus Union, to Escondido Lemon Association, Escondido, Calif. Fresh citrous fruits. 225,874; renewed Mar. 29, 1947. O. G. July 22. Class 46.

Escondido Lemon Association: *See*—
Escondido Citrus Union.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Washing-powder. 59,412; re-renewed Jan. 8, 1947. O. G. July 22. Class 4.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Washing-powders. 60,075; re-renewed Jan. 29, 1947. O. G. July 22. Class 4.

Farbenfabriken vorm. Friedr. Bayer & Co., Elberfeld, Germany, to Winthrop Chemical Company, Inc., New York, N. Y. Analgesic and antirheumatic. 62,613; re-renewed May 14, 1947. O. G. July 22. Class 6.

Father John's Medicine Company, Inc.: *See*—
Carleton & Hovey.

Federal Machine and Welder Company, The, Warren, Ohio. Plastic composition table tops. 431,501; July 22; Serial No. 509,644; published Apr. 22, 1947. Class 32.

Federal Telegraph Company, San Francisco, Calif., to Federal Telephone and Radio Corporation, New York, N. Y. Coils used in radio apparatus. 203,970; renewed Sept. 29, 1945. O. G. July 22. Class 21.

Federal Telephone and Radio Corporation: *See*—
Federal Telegraph Company.

Fendrich, H., Inc., Evansville, Ind. Cigars. 226,846–7; renewed Apr. 19, 1947. O. G. July 22. Class 17.

Ferler, Bianchini, Inc., New York, N. Y. Piece goods. 431,435; July 22; Serial No. 504,262; published Apr. 22, 1947. Class 42.

Field, Walter M., & Co.: *See*—
Mack, R. R.

Fine Arts Sterling Silver Company, Philadelphia, Pa. Silver flatware. 431,472–3; July 22; Serial Nos. 506,744–5; published Apr. 22, 1947. Class 28.

Fine Arts Sterling Silver Company, Philadelphia, Pa. Silver flatware. 431,474; July 22; Serial No. 506,746; published Apr. 29, 1947. Class 28.

Fleetwood Coffee Company: *See*—
Trigg, Dobbs & Company.

Forhan Company, to Zonite Products Corporation, New York, N. Y. Antiseptics. 227,722; renewed May 17, 1947. O. G. July 22. Class 6.

Fox, I. J., Inc., New York, N. Y. Women's mink fur coats, mink fur scarfs, and mink fur collars and cuffs. 431,374; July 22; Serial No. 477,410; published Oct. 23, 1945. Class 39.

Franklin Baker Company, Hoboken, N. J., to General Foods Corporation, New York, N. Y. Prepared coconut. 225,704; renewed Mar. 22, 1947. O. G. July 22. Class 46.

Fricke, J. E., Company, The, Philadelphia, Pa. Sash-cord. 59,311; re-renewed Jan. 8, 1947. O. G. July 22. Class 7.

Fries & Fries Company, The, Cincinnati, Ohio, to Kay Fries Chemicals Inc., West Haverstraw, N. Y. Solvent for paints, varnishes, and lacquer. 221,251; renewed Nov. 23, 1946. O. G. July 22. Class 16.

Fries & Fries Company, The, Cincinnati, Ohio, to Kay Fries Chemicals Inc., West Haverstraw, N. Y. Alcohol denaturant, a chemical reagent and a pharmaceutical preparation. 222,284; renewed Dec. 28, 1946. O. G. July 22. Class 6.

Fries, Kay, Chemicals Inc.: *See*—
Fries & Fries Company, The.

Funk & Wagnalls Company, New York, N. Y. Magazine section. 223,898; renewed Feb. 15, 1947. O. G. July 22. Class 38.

G. F. Manufacturing Company: *See*—
Godwin, Tom.

G. R. M. C. Company, doing business as Grand Rapids Metal Cabinet Company, Grand Rapids, Mich. Knock down steel cabinets. 431,403; July 22; Serial No. 497,600; published Apr. 29, 1947. Class 32.

Gallina, Louis J., Union City, N. J. Riding pants, riding jackets, slacks and jackets. 431,517; July 22. Class 39.

Gane & Ingram, Inc., New York, N. Y. Preparation for repelling mosquitoes and for relieving irritation from insect bites. 228,223; renewed May 24, 1947. O. G. July 22. Class 6.

General Cable Corporation: *See*—
Standard Underground Cable Company.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

General Foods Corporation: *See*—
Franklin Baker Company.
Towle Syrup Company, The.

General Linen Company, New York, N. Y. Table cloths, sheets, and pillow cases. 431,396; July 22; Serial No. 493,544; published Apr. 29, 1947. Class 42.

General Milk Company, Inc.: *See*—
American Milk Products Corporation.

Gerrick, Ed, Inc., New York, N. Y. Misses' dresses, suits, coats, jackets, etc. 431,519; July 22. Class 39.

Getz, Alex, to M. Litman, Chicago, Ill. Dressed poultry. 221,457; renewed Nov. 30, 1946. O. G. July 22. Class 46.

Glidden Company, The: *See*—
Glidden Varnish Company, The.

Glidden Varnish Company, The, to The Glidden Company, Cleveland, Ohio. Liquid wood-filler. 62,496; re-renewed May 7, 1947. O. G. July 22. Class 16.

Gobrecht, Robert H., Mountainville, N. Y. Photographs. 431,468; July 22; Serial No. 506,376; published Apr. 29, 1947. Class 38.

Godwin, Tom, doing business as G. F. Manufacturing Company, to Kozy Manufacturing Company, Exira, Iowa. Brooder houses, hog houses and coops. 226,350; renewed Apr. 5, 1947. O. G. July 22. Class 50.

Golden Rule Company, Dallas, Tex. Cloth and textile piece goods. 431,379; July 22; Serial No. 487,323; published Apr. 29, 1947. Class 42.

Goldhill, Edward S., to Doughnut Corporation of America, New York, N. Y. Fried cakes. 224,145; renewed Feb. 22, 1947. O. G. July 22. Class 46.

Grand Rapids Metal Cabinet Company: *See*—
G. R. M. C. Company.

Granville Fabrics Co., New York, N. Y. Rayon fabrics in the piece. 431,451; July 22; Serial No. 505,821; published Apr. 22, 1947. Class 42.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Soaps. 62,778; re-renewed May 28, 1947. O. G. July 22. Class 4.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Condensed milk, evaporated milk, and butter. 62,926; re-renewed May 28, 1947. O. G. July 22. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Canned vegetables and spices. 62,927; re-renewed May 28, 1947. O. G. July 22. Class 46.

Green Hill Mushroom Farms: *See*—
Jacob, Edward H.

Grocery Store Products Co.: *See*—
Jacob, Edward H.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 431,502; July 22; Serial No. 509,841; published Apr. 29, 1947. Class 27.

Gsell, R., & Co., Inc., New York, N. Y. Watches, watch movements, watch-cases, and parts thereof. 431,497; July 22; Serial No. 509,217; published Apr. 22, 1947. Class 27.

Gulf Oil Corporation: *See*—
Gulf Oil Refining Company.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa., to Gulf Oil Corporation, Pittsburgh, Pa. Dry cleaner. 222,704; renewed Jan. 4, 1947. O. G. July 22. Class 4.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa., to Gulf Oil Corporation, Pittsburgh, Pa. Insecticide. 222,813; renewed Jan. 11, 1947. O. G. July 22. Class 6.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa., to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oil. 222,989; renewed Jan. 11, 1947. O. G. July 22. Class 15.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa., to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating grease. 222,990; renewed Jan. 11, 1947. O. G. July 22. Class 15.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa., to Gulf Oil Corporation, Pittsburgh, Pa. Cleaning and polishing oil. 224,356; renewed Feb. 22, 1947. O. G. July 22. Class 16.

Hange, G. N., Chicago, Ill. Candies. 431,524; July 22. Class 46.

Harmony Bag Co., Inc., New York, N. Y. Ladies' handbags. 431,453; July 22; Serial No. 505,955; published Mar. 11, 1947. Class 3.

Harter, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl resin, sold as piece goods. 431,389; July 22; Serial No. 491,255; published Apr. 22, 1947. Class 42.

Herman, Irving and Anna, Chicago, Ill. Upholstery covers. 431,418; July 22; Serial No. 501,451; published Apr. 22, 1947. Class 32.

Herschede, Edward F., Cincinnati, Ohio. Wrist-watch bands or bracelets. 223,977; renewed Feb. 15, 1947. O. G. July 22. Class 28.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie holders, collar fasteners, belt buckles, etc. 431,483; July 22; Serial No. 507,315; published Apr. 15, 1947. Class 28.

Hirzel Canning Company: *See*—
Hirzel, Carl R.

Hirzel, Carl R., to Karl A. Hirzel, doing business as Hirzel Canning Company, Toledo, Ohio. Canned tomatoes and canned sauerkraut. 221,681; renewed Dec. 7, 1946. O. G. July 22. Class 46.

Hirzel, Karl A.: *See*—
Hirzel, Carl R.

Holland Brass Works, Inc., Chicago, Ill. Prie dieus. 228,190; renewed May 24, 1947. O. G. July 22. Class 32.

Home Game Company, Chicago, Ill., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 59,701; re-renewed Jan. 15, 1947. O. G. July 22. Class 22.

Hoosier Motor Club, The, Indianapolis, Ind. Monthly magazine. 226,835; renewed Apr. 19, 1947. O. G. July 22. Class 38.

Horlicks Corporation: *See*—
Horlick's Food Co.

Horlick's Food Co., to Horlicks Corporation, Racine, Wis. Malted dry food extracts. 29,795; re-renewed Apr. 6, 1947. O. G. July 22. Class 46.

Horst, E. Clemens, Company, San Francisco, Calif. Malt sirup. 227,575; renewed May 10, 1947. O. G. July 22. Class 46.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 227,879; renewed May 17, 1947. O. G. July 22. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Lubricating oils. 227,927; renewed May 17, 1947. O. G. July 22. Class 15.

House of Tre-Jur, Inc., New York, N. Y. Compact powder and compact rouges, lip stick, eyebrow pencils, etc. 227,295; renewed May 3, 1947. O. G. July 22. Class 6.

Hudnut, Richard, New York, N. Y. Talcum powder, face powder, foundation cream, etc. 222,809; renewed Jan. 11, 1947. O. G. July 22. Class 6.

Humane Society of the City of Columbus, Ohio, Columbus, Ohio. Monthly magazine. 431,506; July 22. Class 38.

Hurley, Jason G., Chicago, Ill. Clothes washing and ironing machines. 431,402; July 22; Serial No. 497,480; published Apr. 1, 1947. Class 24.

Hygienol Company, Inc.: *See*—
Levy, Maurice.

I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, to General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 227,300; renewed May 3, 1947. O. G. July 22. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, to General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 227,413; renewed May 3, 1947. O. G. July 22. Class 6.

Idaho Canning Company, Limited, Payette, Idaho. Canned vegetables. 223,983; renewed Feb. 15, 1947. O. G. July 22. Class 46.

Igleheart Brothers, Incorporated: *See*—
Towle Syrup Company, The.

International Shoe Company: *See*—
Plant, Thomas G., Company.

Interstate Latex Company, Youngstown, Ohio. Pillows. 431,469; July 22; Serial No. 506,450; published Apr. 22, 1947. Class 32.

Irvindale Farms, Inc., Atlanta, Ga. Fluid milk and fluid cream. 431,437; July 22; Serial No. 504,673; published Apr. 29, 1947. Class 46.

Ives, H. B., Company, The, New Haven, Conn. Sash-fasteners. 62,577; re-renewed May 14, 1947. O. G. July 22. Class 25.

Jacob, E. H.: *See*—
Jacob, Edward H.

Jacob, Edward H., doing business as E. H. Jacob, Green Hill Mushroom Farms and Oakbourne Mushroom Farms, West Chester, Pa., to Grocery Store Products Co., Union City, N. J. Canned mushrooms. 227,525; renewed May 10, 1947. O. G. July 22. Class 46.

Jacobsen, Norman, New York, N. Y. Ladies' women's, and misses' dresses. 431,477; July 22; Serial No. 506,941; published Apr. 22, 1947. Class 39.

Jewel-Smiths, Inc., Boston, Mass. Jewelry, and metal articles of adornment. 431,423; July 22; Serial No. 502,753; published Apr. 15, 1947. Class 28.

Johns-Manville Corporation: *See*—
Johns-Manville, H. W., Company.

Johns-Manville, H. W., Company, to Johns-Manville Corporation, New York, N. Y. Asbestos roofing. 60,304; re-renewed Feb. 5, 1947. O. G. July 22. Class 12.

Johnston, John M., doing business as Jonco Products Company, Hillside, N. J. Mops. 431,461; July 22; Serial No. 506,172; published Apr. 15, 1947. Class 29.

Jonco Products Company: *See*—
Johnston, John M.

K-R-O Company: *See*—
Rat Biscuit Company, The.

Kaffer, Earl, & Sons, Joliet, Ill. Preparation of pectin, corn sugar, and acid. 431,535; July 22. Class 46.

Kaufman and Ruderman Co. Inc., New York, N. Y. Costume jewelry. 431,484; July 22; Serial No. 507,319; published Apr. 15, 1947. Class 28.

Keller-Heumann-Thompson Co. Inc., to Timely Clothes, Inc., Rochester, N. Y. Suits for men. 227,517; renewed May 10, 1947. O. G. July 22. Class 39.

Kelly, Pascal M., El Paso, Tex. Belt buckles, tie clasps or tie holders, etc. 431,547; July 22. Class 28.

Kendall Company, The: *See*—
Bauer & Black.

Keystone Varnish Company, Brooklyn, N. Y. Finishing product. 62,662; re-renewed May 21, 1947. O. G. July 22. Class 16.

Keystone Varnish Company, Brooklyn, N. Y. House paints. 227,481; renewed May 10, 1947. O. G. July 22. Class 16.

Keystone Window Shade Company, Inc., Pittsburgh, Pa. Window shades. 431,464; July 22; Serial No. 506,244; published Apr. 22, 1947. Class 32.

Kirby, Doc, doing business as Kirby Sales Co., Hereford, Tex. Posthole diggers, posthole digger augers, and posthole digger bearings. 431,549; July 22. Class 23.

Kirby Sales Co.: *See*—
Kirby, Doc.

Knit Goods Specialty Co., Chicopee, Mass. Knitted covering for the feet. 431,541; July 22. Class 39.

Koret, Joe, doing business as Koret Of California, San Francisco, Calif. Girls' and women's shorts. 431,505; July 22. Class 39.

Koret, Joe, doing business as Koret of California, San Francisco, Calif. Women's divided skirts. 431,507; July 22. Class 39.

Koret of California: *See*—
Koret, Joe.

Koret of California, Inc., San Francisco, Calif. Girls' and women's outer shorts. 431,512; July 22. Class 39.

Kuppenheimer, B., & Co. Inc., Chicago, Ill. Men's and boys' ready-to-wear coats, vests, trousers, etc. 224,258; renewed Feb. 22, 1947. O. G. July 22. Class 39.

Kynoch, G. & G., Limited, London, England. Textile piece goods. 431,420; July 22; Serial No. 502,068; published Apr. 15, 1947. Class 42.

Label-Rite Co. Limited, The, Toronto, Ontario, Canada. Partially printed gummed paper labels. 431,397; July 22; Serial No. 494,408; published Apr. 22, 1947. Class 37.

Lambert Pharmacal Company, St. Louis, Mo., to Lambert Pharmacal Company, Wilmington, Del. Bath salts. 221,121; renewed Nov. 23, 1946. O. G. July 22. Class 6.

Lane Limited: *See*—
Lane Tobacco, Ltd.

Lane Tobacco, Ltd., New York, N. Y., now by change of name to Lane Limited. Smoking tobacco. 431,447; July 22; Serial No. 505,602; published Apr. 15, 1947. Class 17.

Lanman & Kemp-Barclay & Co. Incorporated: *See*—
Barclay & Barclay.

Lanyon, Charles H., to Lester H. Lanyon, Chicago, Ill. Liniment for horses. 29,704; re-renewed Mar. 16, 1947. O. G. July 22. Class 6.

Lanyon, Lester H.: *See*—
Lanyon, Charles H.

Lawrence Mfg., Inc., Providence, R. I. Jewelry. 431,432; July 22; Serial No. 504,185; published Apr. 29, 1947. Class 28.

Lawrence, W. W., & Company, Pittsburgh, Pa. Paint enamels. 224,821; renewed Mar. 8, 1947. O. G. July 22. Class 16.

Lee, Frank H., Company, The: *See*—
Disney Hats.

Lever Brothers Company: *See*—
Fairbank, N. K., Company, The.

Lever Brothers Company, Portland, Maine, and Cambridge, Mass., to Lever Brothers Company, Cambridge, Mass. Soap and soap powder. 59,032; re-renewed Jan. 1, 1947. O. G. July 22. Class 4.

Lever Brothers Company, Cambridge, Mass. Soap. 59,446; re-renewed Jan. 8, 1947. O. G. July 22. Class 4.

Levine, Henry, doing business as Henry Levine Company, assignor to Henry Levine Co., Inc., Boston, Mass. Ladies' slacks, slacksuits, suits, etc. 431,531; July 22. Class 39.

Levine, Henry, Company: *See*—
Levine, Henry.

Levine, Henry, Co., Inc., assignee: *See*—
Levine, Henry.

Levy, Maurice, New York, to Hygienol Company, Inc., New Rochelle, N. Y. Powder puffs. 224,306; renewed Feb. 22, 1947. O. G. July 22. Class 29.

Levy, Maurice, New York, to Hygienol Company, Inc., New Rochelle, N. Y. Powder puffs. 224,312; renewed Feb. 22, 1947. O. G. July 22. Class 29.

Link-Belt Company, Chicago, Ill. Encased traveling pan conveyor type dryers and coolers. 431,515; July 22. Class 23.

Lisner, D., & Co. Inc., New York, N. Y. Jewelry. 227,750; renewed May 17, 1947. O. G. July 22. Class 28.

Litman, Meyer: *See*—
Getz, Alex.

Long-Bell Lumber Company, The, Kansas City, Mo. Finished and unfinished lumber. 227,058; renewed Apr. 26, 1947. O. G. July 22. Class 12.

Loewenstein, Hermann, to Hermann Loewenstein, Inc., New York, N. Y. Upper-leather for shoes. 60,345; re-renewed Feb. 5, 1947. O. G. July 22. Class 1.

Loewenstein, Hermann, Inc.: *See*—
Loewenstein, Hermann.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. 431,445; July 22; Serial No. 505,426; published Apr. 29, 1947. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. 431,446; July 22; Serial No. 505,428; published Apr. 29, 1947. Class 46.

Ludel, William, doing business as Diamond Craft of America, assignor to Diamond Craft of America, Inc., New York, N. Y. Diamonds, diamonds mounted in finger rings, and rings without diamonds. 431,390; July 22; Serial No. 491,276; published Apr. 15, 1947. Class 28.

Lyon & Healy, Inc., Chicago, Ill. Musical instruments. 227,824; renewed May 17, 1947. O. G. July 22. Class 36.

M. R. Brassiere Co., New York, N. Y. Brassières. 431,523; July 22. Class 39.

Mack, R. R., doing business as Walter M. Field & Co., San Francisco, Calif. Canned fruits and canned vegetables. 431,375; July 22; Serial No. 477,425; published Dec. 17, 1946. Class 46.

Maclin-Zimmer-McGill Tobacco Co., Incorporated, Petersburg, Va. Smoking and chewing tobacco and snuff. 225,858; renewed Mar. 29, 1947. O. G. July 22. Class 17.

Major Equipment Company, Inc., Chicago, Ill. Theater lighting equipment and apparatus including border lights, proscenium lights, footlights, etc. 227,980; renewed May 17, 1947. O. G. July 22. Class 21.

Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y., to National Carbon Company, Inc., New York, N. Y. Dry batteries. 62,908; re-renewed May 28, 1947. O. G. July 22. Class 21.

Manhattan Electrical Supply Company, Incorporated, New York, N. Y., assignor to National Carbon Company, Inc., to National Carbon Company, Inc., New York, N. Y. Flash lights, searchlights, and parts thereof. 223,081; renewed Jan. 18, 1947. O. G. July 22. Class 21.

Manufacturers Record Publishing Company, Baltimore, Md. Weekly magazine. 223,121; renewed Jan. 18, 1947. O. G. July 22. Class 38.

Maricopa Creamery Co., The, Phoenix, Ariz., to The Borden Company, New York, N. Y. Evaporated milk in hermetically-sealed cans, etc. 227,479; renewed May 10, 1947. O. G. July 22. Class 46.

Masland, C. H., & Sons, Carlisle, Pa. Textile carpets and rugs. 431,381; July 22; Serial No. 488,653; published Apr. 22, 1947. Class 42.

Masland, C. H., & Sons, Carlisle, Pa. Sportswear. 431,546; July 22. Class 39.

Maspero Frères, Limited, London, England, and Cairo, Egypt, to Maspero Frères, Limited, London, England. Cigarettes. 58,495; re-renewed Dec. 18, 1946. O. G. July 22. Class 17.

McGraw-Hill Publishing Company, Inc., New York, N. Y. News service publication. 431,404; July 22; Serial No. 498,297; published Apr. 29, 1947. Class 38.

McNaught Syndicate, Inc., The, New York, N. Y. Comic strip. 431,465; July 22; Serial No. 506,248; published Apr. 29, 1947. Class 38.

Media Publishing Company, Media, Pa. Periodical publication. 431,545; July 22. Class 38.

Melvin Candy Company, Inc., Chicago, Ill., assignor to The Sweets Company of America, Incorporated, to The Sweets Company of America, Incorporated, Hoboken, N. J. Candy lollipops or suckers. 227,056; renewed Apr. 26, 1947. O. G. July 22. Class 46.

Meredith Publishing Company, Des Moines, Iowa. Magazine section, architectural plans, and pamphlets. 431,414; July 22; Serial No. 500,684; published Apr. 29, 1947. Class 38.

Mereminsky, Perez, Brooklyn, N. Y. Material for watches. 431,407; July 22; Serial No. 499,272; published Apr. 22, 1947. Class 27.

Metz Bros., New York, N. Y. Fur coats and fur jackets. 431,538; July 22. Class 39.

Milcor Steel Company: *See*—
Milwaukee Corrugating Company.

Miller, Doris, Inc., New York, N. Y. Children's and young ladies' underwear. 431,521; July 22. Class 39.

Milwaukee Corrugating Company, to Milcor Steel Company, Milwaukee, Wis. Metal lath. 224,909; renewed Mar. 8, 1947. O. G. July 22. Class 12.

Minneapolis Brewing Co.: *See*—
Minneapolis Brewing Company.

Minneapolis Brewing Company, to Minneapolis Brewing Co., Minneapolis, Minn. Malt syrup. 226,295–7; renewed Apr. 5, 1947. O. G. July 22. Class 46.

Moody, A., & Co. Inc., Los Angeles, Calif. Mattresses and box springs. 431,470; July 22; Serial No. 506,608; published Apr. 22, 1947. Class 32.

Moorman, C. P., & Company: *See*—
Moorman, C. P., & Company, Inc.

Moorman, C. P., & Company, Inc., to C. P. Moorman & Company, Louisville, Ky. Whisky. 62,714–17; re-renewed May 21, 1947. O. G. July 22. Class 49.

Moorman, C. P., & Company, Inc., to C. P. Moorman & Company, Louisville, Ky. Whisky. 62,768; re-renewed May 21, 1947. O. G. July 22. Class 49.

Morse Twist Drill & Machine Company, New Bedford, Mass. Calipers and gages. 62,758; re-renewed May 21, 1947. O. G. July 22. Class 26.

Morten Milling Company, to Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex. Wheat flour. 221,548; renewed Dec. 7, 1946. O. G. July 22. Class 46.

Moss Rose Manufacturing Company, to Moss Rose Manufacturing Company, Philadelphia, Pa. Tapestry chenille, tapestry and velour. 62,523; re-renewed May 14, 1947 O. G. July 22. Class 42.

Motor City Paper Tube Co.: *See*—
Schaerer, Albert A.

Motor City Paper Tube Company: *See*—
Schaerer, Albert A.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Stamped, pressed or drawn steel wash tubs and tubs for washing machines, etc. 431,399; July 22; Serial No. 494,698; published Apr. 22, 1947. Class 24.

Munsingwear, Inc., Minneapolis, Minn. Women's nightgowns. 431,480–1; July 22; Serial Nos. 507,210–11; published Apr. 29, 1947. Class 39.

National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Coal-tar product used for medicinal purposes. 223,413; renewed Feb. 1, 1947; O. G. July 22. Class 6.

National Carbon Company, Cleveland, Ohio, to National Carbon Company, Inc., New York, N. Y. Dry batteries. 62,178; re-renewed Apr. 23, 1947. O. G., July 22. Class 21.

National Carbon Company, Inc.: *See*—
Manhattan Electrical Supply Company.
Manhattan Electrical Supply Company, Incorporated.
National Carbon Company.

National Coal Tar Company, Wilmington, Del., and Boston, Mass., to Allied Chemical & Dye Corporation, New York, N. Y. Insecticides. 61,261; re-renewed Mar. 12, 1947. O. G. July 22. Class 6.

National Committee on Alcohol Hygiene, Inc., Baltimore, Md. Periodical publication. 431,511; July 22. Class 38.

National Distillers Products Corporation: *See*—
Daviess County Distilling Co., The.

National Farm Machinery Cooperative: *See*—
Ohio Cultivator Company, The.

National Mattress Company, Huntington, W. Va. Mattresses, box springs, cribs, etc. 431,408; July 22; Serial No. 499,728; published Apr. 15, 1947. Class 32.

National Refining Company, The, to The National Refining Company, Cleveland, Ohio. Stove-gasolene. 61,055; re-renewed Mar. 5, 1947. O. G. July 22. Class 15.

National Refining Company, The, to The National Refining Company, Cleveland, Ohio. Lubricating-oil. 61,080; re-renewed Mar. 5, 1947. O. G. July 22. Class 15.

National Refining Company, The, to The National Refining Company, Cleveland, Ohio. Illuminating-oil. 61,307; re-renewed Mar. 12, 1947. O. G. July 22. Class 15.

National Steel Fabric Company, Pittsburgh, Pa. Bracelets. 431,499; July 22; Serial No. 509,440; published Apr. 29, 1947. Class 28.

National Tea Co.: *See*—
Rasmussen, Geo., Company.

National Tribune Corporation, Washington, D. C. Weekly newspaper. 227,250; renewed May 3, 1947. O. G. July 22. Class 38.

New Jersey Zinc Company, The, Newark and Franklin, N. J., to The New Jersey Zinc Company, New York, N. Y. Lithopone. 227,306; renewed May 3, 1947. O. G. July 22. Class 6.

New York Consolidated Card Company, The, New York, N. Y., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 59,137; re-renewed Jan. 1, 1947. O. G. July 22. Class 22.

New York Consolidated Card Company The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 60,313–14; re-renewed Feb. 5, 1947. O. G. July 22. Class 22.

New York Consolidated Card Company, The, New York, N. Y., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 60,907–10; re-renewed Feb. 26, 1947. O. G. July 22. Class 22.

New York Times Company, The, New York, N. Y. Daily newspapers. 227,904; renewed May 17, 1947. O. G. July 22. Class 38.

New York Trust Company, The, New York, N. Y. Periodical published monthly. 222,602; renewed Jan. 4, 1947. O. G. July 22. Class 38.

Novelté Papeteries, Inc., Colorado Springs, Colo. Stationery. 431,458; July 22; Serial No. 506,056; published Apr. 15, 1947. Class 37.

Oakbourne Mushroom Farms: *See*—
Jacob, Edward H.

Oakdale Baking Company, to American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 60,293; re-renewed Feb. 5, 1947. O. G. July 22. Class 46.

Oakdale Baking Company, to American Cone & Pretzel Company, Philadelphia, Pa. Pretzels, cakes, crackers, etc. 60,460; re-renewed Feb. 12, 1947. O. G. July 22. Class 46.

Octo Watches, Inc., New York, N. Y. Watches, clocks, and parts thereof. 431,384–5; July 22; Serial Nos. 490,076–7; published Apr. 29, 1947. Class 27.

Odell Company, Inc., The, Newark, N. J. Hair-color restorer. 228,112; renewed May 24, 1947. O. G. July 22. Class 6.

Ohio Cultivator Company, The, to National Farm Machinery Cooperative, Incorporated, Bellevue, Ohio. Cultivators, stalk-cutters, harrows, etc. 56,565; re-renewed Oct. 9, 1946. O. G. July 22. Class 23.

Oneida Ltd.: *See*—
Rogers, Wm. A., Ltd.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat table ware. 431,482; July 22; Serial No. 507,213; published Apr. 15, 1947. Class 28.

Oppenheim, Collins & Co., Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., Newark, N. J., Philadelphia, Pa., etc., to Oppenheim, Collins & Co. Inc., New York, N. Y. Women's, misses', and children's shoes. 223,711; renewed Feb. 8, 1947. O. G. July 22. Class 39.

Oppenheim, Collins & Co. Inc.: *See*—
Oppenheim, Collins & Co., Inc.

Oregon Flax Textiles, Inc., Oakland, Calif. Textile rugs and floor coverings. 431,383; July 22; Serial No. 491,169; published Apr. 22, 1947. Class 42.

Oskamp Nolting Co., The, Cincinnati, Ohio. Toilet soap. 225,467; renewed Mar. 22, 1947. O. G. July 22. Class 4.

Overholt, A., & Co., Inc.: *See*—
Renziehausen, Frederick C.

Palmer, Ralph S., doing business as Ralph S. Palmer Co., Detroit, Mich. Laundry racks. 431,392; July 22; Serial No. 492,578; published Apr. 22, 1947. Class 24.

Palmer, Ralph S., Co.: *See*—
Palmer, Ralph S.

Parke, Davis & Company, Detroit, Mich. Calcium idostearate. 222,580; renewed Jan. 4, 1947. O. G. July 22. Class 6.

Parke, Davis & Company, Detroit, Mich. Rubbing alcohol compound. 222,658; renewed Jan. 4, 1947. O. G. July 22. Class 6.

Parke, Davis & Company, Detroit, Mich. Extract of parathyroid gland. 226,510; renewed Apr. 12, 1947. O. G. July 22. Class 6.

Parsons Paper Company, Holyoke, Mass. High-grade paper. 61,530; re-renewed Mar. 26, 1947. O. G. July 22. Class 37.

Parsons Paper Company, Holyoke, Mass. High grade paper. 61,587–9; re-renewed Mar. 26, 1947. O. G. July 22. Class 37.

Patons & Baldwins Limited, Halifax, Yorkshire, England. Knitted wool outer and under garments. 431,376; July 22; Serial No. 479,722; published Apr. 29, 1947. Class 39.

Paxton & Gallagher Co., Omaha, Nebr. Condiment similar to chili sauce. 221,028; renewed Nov. 23, 1946. O. G. July 22. Class 46.

Peck & Peck, New York, N. Y. Perfume. 227,292; renewed May 3, 1947. O. G. July 22. Class 6.

Peck & Peck, New York, N. Y. Hosiery. 227,527; renewed May 10, 1947. O. G. July 22. Class 39.

Perry, Alva S., doing business as A. S. Perry and Associates, Atlanta, Ga. Gold, gold-filled, sterling, and plated jewelry. 431,471; July 22; Serial No. 506,686; published Apr. 15, 1947. Class 28.

Perry, A. S., and Associates: *See*—
Perry, Alva S.

Peterson, Charles A., Company, The, Cleveland, Ohio. Shelled edible nuts, raw or salted. 431,382; July 22; Serial No. 488,927; published Apr. 29, 1947. Class 46.

Phi Delta Theta, Oxford, Ohio. Fraternity badges, lapel buttons, scarf, lapel, and breast pins, etc. 224,978; renewed Mar. 8, 1947. O. G. July 22. Class 28.

Phillips, Frank, doing business as Frank Phillips Company, New York, N. Y. Worsted knitted fabrics, and rayon knitted fabrics, both in the piece. 431,425; July 22; Serial No. 503,325; published Apr. 22, 1947. Class 42.

Phillips, Frank, Company: *See*—
Phillips, Frank.

Phillips-Jones Corporation: *See*—
Chain Shirt Shops, Inc.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 225,096; renewed Mar. 8, 1947. O. G. July 22. Class 46.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 225,652; renewed Mar. 22, 1947. O. G. July 22. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pilot Radio Corporation: *See*—
Beacon Radio Mfg. Co., Inc.

Pinchin, Johnson & Co., Limited: *See*—
Clark, Robt. Ingham, & Co., Ltd.

Plant, Thomas C., Company, Boston, Mass., to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 228,202; renewed May 24, 1947. O. G. July 22. Class 39.

Pletcher, G. H., Harlingen, Tex. Fresh grapefruit. 431,510; July 22. Class 46.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses, playards, cribs, etc. 431,378; July 22; Serial No. 483,735; published Apr. 22, 1947. Class 32.

Poix, G. M., Inc., New York, N. Y. Brassières. 431,454; July 22; Serial No. 505,982; published Apr. 15, 1947. Class 39.

Poix, G. M., Inc., New York, N. Y. Brassières. 431,455; July 22; Serial No. 505,984; published Apr. 15, 1947. Class 39.

Pollak, Henry, Inc., New York, N. Y. Wool felt hat bodies. 431,544; July 22. Class 39.

Portfolio, P., & Co., Inc., New York, N. Y. Women's and misses' coats. 431,526; July 22. Class 39.

Posner, Dr. A., Shoes, Inc., New York, N. Y. Shoes. 431,371; July 22; Serial No. 466,949; published Apr. 15, 1947. Class 39.

Providence Journal Company, Providence, R. I. Magazines. 431,536; July 22. Class 38.

Ralston Purina Company, St. Louis, Mo. Cornmeal, wheat-flour, cereal, breakfast food, etc. 61,057; re-renewed Mar. 5, 1947. O. G. July 22. Class 46.

Ralston Purina Company, St. Louis, Mo. Cereal breakfast food. 62,460; re-renewed May 7, 1947. O. G. July 22. Class 46.

Rapaport Coat Corporation, The, Chicago, Ill. Women's and misses' ready-to-wear coats and suits. 431,431; July 22; Serial No. 504,129; published Apr. 8, 1947. Class 39.

Rasmussen, Geo., Company, to National Tea Co., Chicago, Ill. Canned tomatoes, canned sugar corn, canned peas, etc. 224,343; renewed Feb. 22, 1947. O. G. July 22. Class 46.

Rat Biscuit Company, The, doing business as K-R-O Company, Springfield, Ohio. Exterminator for rats. 228,228; renewed May 24, 1947. O. G. July 22. Class 6.

Regal Pipe Company, San Francisco, Calif. Smoking pipes. 431,449; July 22; Serial No. 505,669; published Apr. 15, 1947. Class 8.

Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 431,467; July 22; Serial No. 506,345; published Apr. 29, 1947. Class 8.

Remond, Holland, Inc., New York, N. Y. Textile fabrics. 431,433; July 22; Serial No. 504,212; published Apr. 15, 1947. Class 42.

Renziehausen, Frederick C., Pittsburgh, to A. Overholt & Co., Inc., Broad Ford, Pa. Whisky. 72,733; re-renewed May 21, 1947. O. G. July 22. Class 49.

Replica Products Company, New York, N. Y. Printing inks, drawing inks, typewriter ribbons, and carbon papers. 431,405; July 22; Serial No. 498,312; published Apr. 22, 1947. Class 11.

Republic Steel Corporation: *See*—
N. & G. Taylor Co.

Revere Knitting Mills, Inc., Malden, Mass. Knitted sweaters and hosiery. 227,589; renewed May 10, 1947. O. G. July 22. Class 39.

Rhoads, J. E., & Sons, Philadelphia, Pa. Valve leathers, leather valve washers, and leather valve disks. 228,201; renewed May 24, 1947. O. G. July 22. Class 35.

Rice, William S., Inc., Adams and Buffalo, N. Y., to William S. Rice, Inc., Adams, N. Y. Surgical corsets, corrective supporters, abdominal supporters, etc. 225,940; renewed Mar. 29, 1947. O. G. July 22. Class 44.

Richmond Engineering Company: *See*—
Becker, Emilie M.

Richmond Metal and Plastic Corporation, assignee: *See*—
Becker, Emilie M.

Riegel & Dechter, New York, N. Y. Girls' dresses, pinafores, skirts, etc. 431,534; July 22. Class 39.

Rogers, Wm. A., Ltd., New York, to Oneida Ltd., Oneida, N. Y. Silver-plated ware. 59,422; re-renewed Jan. 8, 1947. O. G. July 22. Class 28.

Root & Company: *See*—
Root, Nathan.

Root, Nathan, doing business as Root & Company, Grand Rapids, Mich. Compounds for cleaning furs. 431,419; July 22; Serial No. 501,775; published Apr. 22, 1947. Class 4.

Russell Manufacturing Company, The, Middletown, Conn. Elastic bottoms for use on parts of garments. 221,056; renewed Nov. 23, 1946. O. G. July 22. Class 39.

Russell-Miller Milling Co.: *See*—
Claro Milling Company.

S. & M. Sportswear Co., New York, N. Y. Ladies' sweaters. 431,516; July 22. Class 39.

Sabin Company Gloves, to Irene E. Sabin, doing business as Sabin Company Gloves, Youngstown, Ohio. Gloves. 224,324; renewed Feb. 22, 1947. O. G. July 22. Class 39.

Sabin, Irene E.: *See*—
Sabin Company Gloves.

Safety Clothing & Equipment Co., Cleveland, Ohio. Protective garments and apparel. 431,528; July 22. Class 39.

Saurage, Henry N., doing business as Baton Rouge Coffee Mills, to Community Coffee Mills, Baton Rouge, La. Coffee. 227,922; renewed May 17, 1947. O. G. July 22. Class 46.

Schaerer, Albert A., doing business as Motor City Paper Tube Co., to Motor City Paper Tube Company, Detroit, Mich. Paper cans, mailing tubes, paper cartons, cases, disks. 222,894; renewed Jan. 11, 1947. O. G. July 22. Class 2.

Schmidt, Jacob, Brewing Company, St. Paul, Minn. Malt beverages. 225,370–1; renewed Mar. 15, 1947. O. G. July 22. Class 48.

Schmidt, Jacob, Brewing Company, St. Paul, Minn. Malt beverages. 226,975; renewed Apr. 26, 1947. O. G. July 22. Class 48.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 221,667; renewed Dec. 7, 1946. O. G. July 22. Class 39.

Schoettle, Edwin J., Company, Philadelphia, Pa. Cardboard boxes. 228,098; renewed May 24, 1947. O. G. July 22. Class 2.

Sears, Roebuck and Co., Chicago, Ill. Periodic publication or circular. 431,462; July 22; Serial No. 506,207; published Apr. 29, 1947. Class 38.

Sever, Louis M., Los Angeles, Calif. Culottes. 431,495; July 22; Serial No. 509,041; published Apr. 29, 1947. Class 39.

Shaw, Harold N., Erie, Pa. Electric heating elements. 431,553; July 22. Class 21.

Sickles, Louis, Philadelphia, Pa. Watches and watch cases. 431,393–4; July 22; Serial Nos. 492,799–800; published Apr. 22, 1947. Class 27.

Silverite Co., The, to Silverite Gutterman Co., Boston, Mass. Heel cushions. 209,039; renewed Feb. 16, 1946. O. G. July 22. Class 39.

Silverite Gutterman Co.: *See*—
Silverite Co., The.

Silverman, Albert A., New York, N. Y. Nurses' uniforms and maids' dresses. 431,377; July 22; Serial No. 480,796; published June 19, 1945. Class 39.

Simon, Franklin, & Co. Inc., New York, N. Y. Horological instruments consisting of watches. 227,633; renewed May 10, 1947. O. G. July 22. Class 27.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. 431,415; July 22; Serial No. 501,018; published Apr. 29, 1947. Class 17.

Skidoo Company, The, Columbus, Ohio. Cleanser. 222,215; renewed Dec. 28, 1946. O. G. July 22. Class 4.

Skubé, Mathias J., to Mary T. Stoeckert, Seattle, Wash. Fireplace dampers. 222,541; renewed Jan. 4, 1947. O. G. July 22. Class 34.

Smart Maid Coat Co. Inc., New York, N. Y. Girls' and misses' coats. 431,532; July 22. Class 39.

Smith, L. C., & Corona Typewriters, Inc., Syracuse, N. Y. Typewriter ribbons and carbon paper. 431,434; July 22; Serial No. 504,218; published Apr. 15, 1947. Class 11.

Smith & Nichols, Inc., New York, N. Y. Candles. 227,199; renewed May 3, 1947. O. G. July 22. Class 15.

Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp: *See*—
Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp.

Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp, France. Liquor. 29,166; re-renewed Nov. 17, 1946. O. G. July 22. Class 49.

Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp, to Société Anonyme de la Bénédictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fécamp, Fecamp, France. Liqueur. 57,684; re-renewed Nov. 27, 1946. O. G. July 22. Class 49.

Society for The Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The, Chicago, Ill., and Detroit, Mich. Magazine. 431,439; July 22; Serial No. 504,868; published Apr. 29, 1947. Class 38.

Spartan Mills, Spartanburg, S. C. Shirting, cotton piece goods. 228,060; renewed May 24, 1947. O. G. July 22. Class 42.

Speidel Corporation, Providence, R. I. Children's jewelry. 431,500; July 22; Serial No. 509,541; published Apr. 29, 1947. Class 28.

Stadham Company, Inc., Philadelphia, Pa. Ironing board cover. 431,539; July 22. Class 24.

Standard Laboratories, Inc.: *See*—
Blood Balm Company.
Bucklen, H. E., & Company.

Standard Playing Card Co., Chicago, Ill., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards and card games. 224,242; renewed Feb. 22, 1947. O. G. July 22. Class 22.

Standard Underground Cable Company, Pittsburgh, Pa., to General Cable Corporation, New York, N. Y. Wires and cables insulated for electrical purposes. 58,206; re-renewed Dec. 11, 1946. O. G. July 22. Class 21.

Stein & Fishman Fabrics, New York, N. Y. Piece goods of rayon. 431,395; July 22; Serial No. 492,968; published Apr. 22, 1947. Class 42.

Stein, Joseph, Coat Co., New York, N. Y. Ladies', misses', and junior misses' rainwear. 431,533; July 22. Class 39.

Sterling Drug Inc., Wilmington, Del. Cleaning preparations. 431,429; July 22; Serial No. 503,768; published Apr. 15, 1947. Class 4.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 431,386; July 22; Serial No. 490,551; published Apr. 2, 1946. Class 39.

Stoeckert, Mary T.: *See*—
Skubé, Mathias J.

Storms, Albert, & Co., New York, N. Y. Metal windows and frames. 431,555; July 22. Class 12.

Style Publications, Inc., New York, N. Y. Monthly magazine. 431,548; July 22. Class 38.

Sully Hats, Dallas, Tex. Ladies', misses', and children's hats. 431,552; July 22. Class 39.

Superba Cravats, Rochester, N. Y. Neckties. 431,508; July 22. Class 39.

Sweets Company of America, Incorporated, The, assignee: *See*—
Melvin Candy Company, Inc.

Sweetwater Fruit Company, Bonita, Calif., to F. H. Vahlsing, Inc., New York, N. Y. Fresh citrous fruits. 226,351; renewed Apr. 5, 1946. O. G. July 22. Class 46.

Switzer Brothers, assignor to Switzer Brothers, Inc., Cleveland, Ohio. Inks. 431,426; July 22; Serial No. 503,478; published Apr. 15, 1947. Class 11.

Switzer Brothers, Inc.: *See*—
Switzer Brothers.

Tanowitz, Morris S., doing business as The Wee Bonnet, New York, N. Y. Children's and infants' hats and bonnets. 431,540; July 22. Class 39.

Taylor, N. & G., Co., Philadelphia, Pa., to Republic Steel Corporation, Cleveland, Ohio. Tin and terne plate. 59,054; re-renewed Jan. 1, 1947. O. G. July 22. Class 14.

Tex-O-Kan Flour Mills Co.: *See*—
Morten Milling Company.

Thayer Company, Gardner, Mass. Infants' high chairs and high chair trays. 431,409; July 22; Serial No. 499,924; published Apr. 29, 1947. Class 32.

Thornton, Walter, New York, N. Y. Bathing suits. 431,542; July 22. Class 39.

Timely Clothes, Inc.: *See*—
Keller-Heumann-Thompson Co. Inc.

Top Frost Foods, Inc., Philadelphia, Pa. Fresh frozen apricots, blackberries, boysenberries, etc. 431,486; July 22; Serial No. 507,762; published Apr. 29, 1947. Class 46.

Towle Syrup Company, The, St. Paul, Minn., to Igleheart Brothers, Incorporated, New York, N. Y. Pancake-flour. 61,824; re-renewed Apr. 9, 1947. O. G. July 22. Class 46.

Towle Syrup Company, The, St. Paul, Minn., to General Foods Corporation, New York, N. Y. Maple syrup and molasses. 61,962; re-renewed Apr. 9, 1947. O. G. July 22. Class 46.

Towle Syrup Company, The, St. Paul, Minn., to General Foods Corporation, New York, N. Y. Syrup. 61,963–4; re-renewed Apr. 9, 1947. O. G. July 22. Class 46.

Tres Hermanos, Albuquerque, N. Mex. Shoes. 431,412; July 22; Serial No. 500,390; published Apr. 15, 1947. Class 39.

Trigg, Dobbs & Company, to Fleetwood Coffee Company, Chattanooga, Tenn. Coffee. 224,884; renewed Mar. 8, 1947. O. G. July 22. Class 46.

Trojan Brush Products, Inc., New York, N. Y. Hair brushes. 431,478; July 22; Serial No. 507,032; published Apr. 29, 1947. Class 29.

Union Fire Brick Company, The, Grantsville, Md., and Pittsburgh, Pa. Fire brick. 431,554; July 22. Class 12.

United States Graphite Co., The, Saginaw, Mich. Silver, lead or plumbago foundry-facings, and pulverized graphite (not crude). 58,531; re-renewed Dec. 18, 1946. O. G. July 22. Class 1.

United States Graphite Co., The, Saginaw, Mich. Lubricating-graphite, graphite cable grease, graphite axle-grease, etc. 59,505; re-renewed Jan. 8, 1947. O. G. July 22. Class 15.

United States Graphite Co., The, Saginaw, Mich. Silver, lead or plumbago foundry-facings and pulverized graphite. 60,319; re-renewed Feb. 5, 1947. O. G. July 22. Class 1.

United States Playing Card Company, The: *See*—
Home Game Company.
New York Consolidated Card Company, The.
Standard Playing Card Co.
United States Playing Card Co., The.

United States Playing Card Company, The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 59,044; re-renewed Jan. 1, 1947. O. G. July 22. Class 22.

United States Playing Card Co., The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 60,618; re-renewed Feb. 12, 1947. O. G. July 22. Class 22.

United States Playing Card Co., The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing cards. 62,565; re-renewed May 14, 1947. O. G. July 22. Class 22.

United States Time Corporation, The, Waterbury, Conn. Watches and clocks. 431,496; July 22; Serial No. 509,054; published Apr. 22, 1947. Class 27.

Vahlsing, F. H., Inc.: *See*—
Sweetwater Fruit Company.

Van Tassel, Edward D., Jr., Cohasset, Mass. Soles and insoles of leather. 431,503; July 22; Serial No. 509,894; published Apr. 22, 1947. Class 39.

Victory Shoe Company, St. Louis, Mo. Women's and girls' shoes. 431,489; July 22; Serial No. 508,395; published Apr. 15, 1947. Class 39.

Visray Textiles, Inc., New York, N. Y. Ribbons made of rayon. 431,460; July 22; Serial No. 506,149; published Apr. 22, 1947. Class 42.

Walker Properties Association, to Walker's Austex Chili Company, Austin, Tex. Preparation in powdered form, and composed of chili pepper and other ingredients. 227,491; renewed May 10, 1947. O. G. July 22. Class 46.

Walker's Austex Chili Company: *See*—
Walker Properties Association.

Waltham Watch Company, Waltham, Mass. Watches. 431,380; July 22; Serial No. 488,557; published Apr. 29, 1947. Class 27.

Ward, Samuel, Manufacturing Company, Boston, Mass. Portfolios. 227,865; renewed May 17, 1947. O. G. July 22. Class 3.

Warner, William R., & Co., Philadelphia, Pa., to William R. Warner & Co., Inc., New York, N. Y. Preparations for the cure of indigestion, dyspepsia, sick-stomach and like or allied ailments. 62,214; re-renewed Apr. 23, 1947. O. G. July 22. Class 6.

Warner, William R., & Co., Inc.: *See*—
Warner, William R., & Co.

Wedgwood, Josiah, & Sons Ltd., Etruria, to Josiah Wedgwood & Sons Ltd., Barlaston, Stoke-upon-Trent, England. Earthenware and porcelain. 62,522; re-renewed May 14, 1947. O. G. July 22. Class 30.

Wee Bonnet, The: *See*—
Tanowitz, Morris S.

Weinberg, F., Inc., New York, N. Y. Ladies' bed jackets. 431,551; July 22. Class 39.

Weisbaum Bros.-Brower Co., The, to Beau Brummell Ties, Inc., Cincinnati, Ohio. Neckties. 228,062; renewed May 24, 1947. O. G. July 22. Class 39.

Wells, E. S., Estate of: *See*—
Wells, Ephraim S.

Wells, Ephraim S., to Estate of E. S. Wells, Jersey City, N. J. Rat, vermin, and insect destroyers and exterminators. 59,991; re-renewed Jan. 22, 1947. O. G. July 22. Class 6.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper, boxed stationery, envelopes, etc. 431,424; July 22; Serial No. 503,274; published Apr. 22, 1947. Class 37.

Wheeling Corrugating Company, Wheeling, W. Va. Washtubs. 223,702; renewed Feb. 8, 1947. O. G. July 22. Class 24.

Wheeling Corrugating Company, Wheeling, W. Va. Pails, ash cans, garbage cans, etc. 223,930; renewed Feb. 15, 1947. O. G. July 22. Class 2.

Wimelbacher & Rice, Inc., New York, N. Y. Gloves. 431,479; July 22; Serial No. 507,034; published Apr. 22, 1947. Class 39.

Winthrop Chemical Company, Inc.: *See*—
Farbenfabriken vorm. Friedr. Bayer & Co.

Wolf Brand Products, Corsicanna, Tex. Canned chili and tamale seasoning, and canned chili beans. 431,513; July 22. Class 46.

Woolen Corporation of America, The, New York, N. Y. Fabrics of wool, worsted, cotton, etc. 228,067; re-newed May 24, 1947. O. G. July 22. Class 42.

Woolfoam Corporation, The, New York, N. Y. Washing compound. 431,428; July 22; Serial No. 503,541; published Apr. 15, 1947. Class 4.

Wyoming Mining Corporation, Philadelphia, Pa. Coal. 431,463; July 22; Serial No. 506,215; published Apr. 15, 1947. Class 1.

Ziegler, George, Company, Milwaukee, Wis. Candy. 227,923; renewed May 17, 1947; published O. G. July 22. Class 46.

Ziv Steel & Wire Co., Chicago, Ill. High speed steel. 431,504; July 22. Class 14.

Zonite Products Corporation: *See*—
Forhan Company.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Wyoming Mining Corporation. 431,463; July 22; Serial No. 506,215; published Apr. 15, 1947.

Foundry-facings, and pulverized graphite (not crude), Silver, lead, or plumbago. United States Graphite Co. 58,531; re-renewed Dec. 18, 1946. O. G. July 22.

Leather, Bag and case. American Hide and Leather Company. 226,984; renewed Apr. 26, 1947. O. G. July 22.

Leather, Side upper. American Hide and Leather Company. 226,411; renewed Apr. 5, 1947. O. G. July 22.

Leather, Side upper. American Hide and Leather Company. 226,985; renewed Apr. 26, 1947. O. G. July 22.

Silver, lead or plumbago foundry facings and pulverized graphite. United States Graphite Co. 60,319; re-renewed Feb. 5, 1947. O. G. July 22.

Upper-leather for shoes. H. Loewenstein. 60,345; re-renewed Feb. 5, 1947. O. G. July 22.

Wool grease. East Weymouth Wool Scouring Co. 431,383; July 22; Serial No. 488,996; published Apr. 22, 1947.

CLASS 2

Boxes, Cardboard. Edwin J. Schoettle Company. 228,098; renewed May 24, 1947. O. G. July 22.

Pails, ash cans, garbage cans, etc. Wheeling Corrugating Company. 223,930; renewed Feb. 15, 1947. O. G. July 22.

Paper cans, mailing tubes, paper cartons, cases, disks. A. A. Schaerer. 222,894; renewed Jan. 11, 1947. O. G. July 22.

CLASS 3

Handbags, Ladies'. Harmony Bag Co., Inc. 431,453; July 22; Serial No. 505,955; published Mar. 11, 1947.

Portfolios. Samuel Ward Manufacturing Company. 227,865; renewed May 17, 1947. O. G. July 22.

CLASS 4

Abrasive cleansing, polishing, and scouring preparation. Cudahy Packing Company. 62,127; re-renewed Apr. 23, 1947. O. G. July 22.

Cleaner, dry. Gulf Refining Company. 222,704; renewed Jan. 4, 1947. O. G. July 22.

Cleaning compound, Powdered. Chemical Manufacturing & Distributing Company. 431,416; July 22; Serial No. 501,310; published Apr. 22, 1947.

Cleaning preparations. Sterling Drug Inc. 431,429; July 22; Serial No. 503,768; published Apr. 15, 1947.

Cleanser. Skidoo Company. 222,215; renewed Dec. 28, 1946. O. G. July 22.

Compounds for cleaning furs. N. Root. 431,419; July 22; Serial No. 501,775; published Apr. 22, 1947.

Polish having incidental properties as a silver plating preparation, Silver. J. Ennest Company. 431,422; July 22; Serial No. 502,741; published Apr. 22, 1947.

Soap. Barclay & Barclay. 61,285–6; re-renewed Mar. 12, 1947. O. G. July 22.

Soap. Lever Brothers Company. 59,446; re-renewed Jan. 8, 1947. O. G. July 22.

Soap and soap powder. Lever Brothers Company. 59,032; re-renewed Jan. 1, 1947. O. G. July 22.

Soap, Toilet. Oskamp Nolting Co. 225,467; renewed Mar. 22, 1947. O. G. July 22.

Soaps. Great Atlantic & Pacific Tea Company. 62,778; re-renewed May 28, 1947. O. G. July 22.

Washing compound. Woolfoam Corporation. 431,428; July 22; Serial No. 503,541; published Apr. 15, 1947.

Washing-powder. N. K. Fairbank Company. 59,412; re-renewed Jan. 8, 1947. O. G. July 22.

Washing-powders. N. K. Fairbank Company. 60,075; re-renewed Jan. 29, 1947. O. G. July 22.

CLASS 6

Alcohol denaturant, a chemical reagent and a pharmaceutical preparation. Fries & Fries Company. 222,284; renewed Dec. 28, 1946. O. G. July 22.

Analgesic and antirheumatic. Fabenfabriken vorm. Friedr. Bayer & Co. 62,613; re-renewed May 14, 1947. O. G. July 22.

Antiseptics. Forhan Company. 227,722; renewed May 17, 1947. O. G. July 22.

Bath salts. Lambert Pharmacal Company. 221,121; renewed Nov. 23, 1946. O. G. July 22.

Calcium idostearate. Parke, Davis & Company. 222,580; renewed Jan. 4, 1947. O. G. July 22.

Coal-tar product used for medicinal purposes. National Aniline & Chemical Company, Incorporated. 223,413; renewed Feb. 1, 1947. O. G. July 22.

Coal-tar products, excepting dyes. Barrett Manufacturing Company. 29,556; re-renewed Feb. 2, 1947. O. G. July 22.

Cologne. A. P. Babcock Company. 227,973; renewed May 17, 1947. O. G. July 22.

Destroyers and exterminators, Rat, vermin, and insect. E. S. Wells. 59,991; re-renewed Jan. 22, 1947. O. G. July 22.

Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,300; renewed May 3, 1947. O. G. July 22.

Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,413; renewed May 3, 1947. O. G. July 22.

Exterminator for rats. Rat Biscuit Company. 228,228; renewed May 24, 1947. O. G. July 22.

Extract of parathyroid gland. Parke, Davis & Company. 226,510; renewed Apr. 12, 1947. O. G. July 22.

Gargles for throat affections and mouth washes. Carbo-Septic Corporation. 226,463; renewed Apr. 12, 1947. O. G. July 22.

Hair-color restorer. Odell Company, Inc. 228,112; renewed May 24, 1947. O. G. July 22.

Insecticide. Gulf Refining Company. 222,813; renewed Jan. 11, 1947. O. G. July 22.

Insecticides. National Coal Tar Company. 61,261; re-renewed Mar. 12, 1947. O. G. July 22.

Liniment for horses. C. H. Lanyon. 29,704; re-renewed Mar. 16, 1947. O. G. July 22.

Lithopone. New Jersey Zinc Company. 227,306; renewed May 3, 1947. O. G. July 22.

Medicated preparation. Barclay & Barclay. 60,825; re-renewed Feb. 19, 1947. O. G. July 22.

Medicinal syrup, medicinal pills, liniment, etc. Barclay & Barclay. 61,232; re-renewed Mar. 12, 1947. O. G. July 22.

Oil of eucalyptus or rheumatic oil. J. Bosisto & Co. 29,261; re-renewed Dec. 8, 1946. O. G. July 22.

Perfume. Peck & Peck. 227,292; renewed May 3, 1947. O. G. July 22.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 227,879; renewed May 17, 1947. O. G. July 22.

Petroleum-jelly preparations. Chesebrough Manufacturing Company. 227,376; renewed May 3, 1947. O. G. July 22.

Plasters, Corn and bunion. Bauer & Black. 61,694; re-renewed Apr. 2, 1947. O. G. July 22.

Plasters, Corn and bunion. Bauer & Black. 61,937; re-renewed Apr. 9, 1947. O. G. July 22.

Powder and compact rouges, lip stick, eyebrow pencils, etc., Compact. House of Tre-Jur, Inc. 227,295; renewed May 3, 1947. O. G. July 22.

Powder, face powder, foundation cream, etc., Talcum. R. Hudnut. 222,809; renewed Jan. 11, 1947. O. G. July 22.

Preparation for repelling mosquitoes and for relieving irritation from insect bites. Gane & Ingram, Inc. 228,223; renewed May 24, 1947. O. G. July 22.

Preparations for the cure of indigestion, dyspepsia, sick-stomach and like or allied ailments. William R. Warner & Co. 62,214; re-renewed Apr. 23, 1947. O. G. July 22.

Remedies for disordered liver, biliousness, and constipation, etc. H. E. Bucklen & Company. 226,561; renewed Apr. 12, 1947. O. G. July 22.

Remedy for lung and throat troubles. Carleton & Hovey. 61,684; re-renewed May 21, 1947. O. G. July 22.

Remedy for the alleviation and cure of blood diseases. Blood Balm Company. 62,679; re-renewed May 21, 1947. O. G. July 22.

Rubbing alcohol compound. Parke, Davis & Company. 222,658; renewed Jan. 4, 1947. O. G. July 22.

Soda, Caustic. B. T. Babbitt, Inc. 227,310; renewed May 3, 1947. O. G. July 22.

Solvents in the nature of benzol and its homologues. Barrett Company. 223,442; renewed Feb. 1, 1947. O. G. July 22.

CLASS 7

Sash-cord. J. E. Fricke Company. 59,311; re-renewed Jan. 8, 1947. O. G. July 22.

Twine, rope and cord. A. W. Archer Co. Inc. 227,218; renewed May 3, 1947. O. G. July 22.

CLASS 8

Pipes, and cigar and cigarette holders, Smokers'. Academy Award Products, Inc. 431,410; July 22. Serial No. 500,343; published Apr. 29, 1947.

Pipes, cigar and cigarette holders, Smokers'. Reiss-Premier Corporation. 431,467; July 22; Serial No. 506,345; published Apr. 29, 1947.

Pipes, Smoking. Regal Pipe Company. 431,449; July 22; Serial No. 505,669; published Apr. 15, 1947.

CLASS 10

Fertilizer. Wilbur Ellis Company. 227,803; renewed May 17, 1947. O. G. July 22.

Fertilizers. California Spray-Chemical Corporation. 431,438; July 22; Serial No. 504,742; published Apr. 15, 1947.

CLASS 11

Inks. Switzer Brothers. 431,426; July 22; Serial No. 503,478; published Apr. 15, 1947.

Inks, drawing inks, typewriter ribbons, and carbon papers, etc., Printing. Replica Products Company. 431,405; July 22; Serial No. 498,312; published Apr. 22, 1947.

Typewriter ribbons and carbon paper. L. C. Smith & Corona Typewriters, Inc. 431,434; July 22. Serial No. 504,218; published Apr. 15, 1947.

CLASS 12

Fire brick. Union Fire Brick Company. 431,554; July 22.

Lath, Metal. Milwaukee Corrugating Company. 224,909; renewed Mar. 8, 1947. O. G. July 22.

Lumber, Finished and unfinished. Long-Bell Lumber Company. 227,058; renewed Apr. 26, 1947. O. G. July 22.

Pipes, Concrete. Concrete Pipe Company. 221,586; renewed Dec. 7, 1946. O. G. July 22.

Roofing, Asbestos. H. W. Johns-Manville Company. 60,304; re-renewed Feb. 5, 1947. O. G. July 22.

Roofing, Ready tar and felt. Barrett Manufacturing Company. 60,693; re-renewed Feb. 19, 1947. O. G. July 22.

Windows and frames, Metal. Albert Storms & Co. 431,555; July 22.

CLASS 13

Valves for controlling the flow of fluids. Edward Valve and Manufacturing Co. 222,521; renewed Jan. 4, 1947. O. G. July 22.

CLASS 14

Steel, High speed. Ziv Steel & Wire Co. 431,504; July 22.

Tin and terne plate. N. & G. Taylor Co. 59,054; re-renewed Jan. 1, 1947. O. G. July 22.

CLASS 15

Candles. Smith & Nichols, Inc. 227,199; renewed May 3, 1947. O. G. July 22.

Grease, Lubricating. Gulf Refining Company. 222,990; renewed Jan. 11, 1947. O. G. July 22.

Illuminating-oil. National Refining Company. 61,307; re-renewed Mar. 12, 1947. O. G. July 22.

Lubricating-graphite, graphite cable grease, graphite axle-grease, etc. United States Graphite Co. 59,505; re-renewed Jan. 8, 1947. O. G. July 22.

Lubricating-oil. National Refining Company. 61,080; re-renewed Mar. 5, 1947. O. G. July 22.

Oil, Lubricating. Gulf Refining Company. 222,989; renewed Jan. 11, 1947. O. G. July 22.

Oils, Lubricating. E. F. Houghton & Co. 227,927. renewed May 17, 1947. O. G. July 22.

Stove-gasolene. National Refining Company. 61,055; re-renewed Mar. 5, 1947. O. G. July 22.

CLASS 16

Cleaning and polishing oil. Gulf Refining Company. 224,356; renewed Feb. 22, 1947. O. G. July 22.
Finishing product. Keystone Varnish Company. 62,662; re-renewed May 21, 1947. O. G. July 22.
Paint enamels. W. W. Lawrence & Company. 224,821; renewed Mar. 8, 1947. O. G. July 22.
Paints, House. Keystone Varnish Company. 227,481; renewed May 10, 1947. O. G. July 22.
Solvent for paints, varnishes, and lacquer. Fries & Fries Company. 221,251; renewed Nov. 23, 1946. O. G. July 22.
Varnish and japans. Robt. Ingham Clark & Co., Ltd. 59,455; re-renewed Jan. 8, 1947. O. G. July 22.
Wood-filler, Liquid. Glidden Varnish Company. 62,496; re-renewed May 7, 1947. O. G. July 22.

CLASS 17

Cigarettes. Maspero Frères, Limited. 58,495; re-renewed Dec. 18, 1946. O. G. July 22.
Cigars. H. Fendrich, Inc. 226,846–7; renewed Apr. 19, 1947. O. G. July 22.
Tobacco and cigarettes, Smoking. John Sinclair Limited. 431,415; July 22; Serial No. 501,018; published Apr. 29, 1947.
Tobacco and snuff, Smoking and chewing. Maclin-Zimmer-McGill Tobacco Co., Incorporated. 225,858; renewed Mar. 29, 1947. O. G. July 22.
Tobacco, cigars, and cigarettes, Smoking. Academy Award Products, Inc. 431,411; July 22; Serial No. 500,347; published Apr. 22, 1947.
Tobacco, Smoking. Brooks Brothers. 431,448; July 22; Serial No. 505,635; published Apr. 15, 1947.
Tobacco, Smoking. Lane Tobacco, Ltd. 431,447; July 22; Serial No. 505,602; published Apr. 15, 1947.

CLASS 21

Batteries, Dry. Manhattan Electrical Supply Company. 62,908; re-renewed May 28, 1947. O. G. July 22.
Batteries, Dry. National Carbon Company. 62,178; re-renewed Apr. 23, 1947. O. G. July 22.
Coils used in radio apparatus. Federal Telegraph Company. 203,970; renewed Sept. 29, 1945. O. G. July 22.
Condensers, jacks, plugs, etc. Beacon Radio Mfg. Co., Inc. 216,137; renewed Aug. 3, 1946. O. G. July 22.
Electrodes, Permanent tungsten. Callite Tungsten Corporation. 431,509; July 22.
Flash lights, searchlights, and parts thereof. Manhattan Electrical Supply Company. 223,081; renewed Jan. 18, 1947. O. G. July 22.
Heating elements, Electric. H. N. Shaw. 431,553; July 22.
Lighting equipment and apparatus including border lights, proscenium lights, footlights, etc., Theater. Major Equipment Company, Inc. 227,980; renewed May 17, 1947. O. G. July 22.
Wires and cables insulated for electrical purposes. Standard Underground Cable Company. 58,206; re-renewed Dec. 11, 1946. O. G. July 22.

CLASS 22

Cards and card games, Playing. Standard Playing Card Co. 224,242; renewed Feb. 22, 1947. O. G. July 22.
Playing-cards. Home Game Company. 59,701; re-renewed Jan. 15, 1947. O. G. July 22.
Playing-cards. New York Consolidated Card Company. 59,137; re-renewed Jan. 1, 1947. O. G. July 22.
Playing-cards. New York Consolidated Card Company. 60,313–14; re-renewed Feb. 5, 1947. O. G. July 22.
Playing-cards. New York Consolidated Card Company. 60,907–10; re-renewed Feb. 26, 1947. O. G. July 22.
Playing-cards. United States Playing Card Company. 59,044; re-renewed Jan. 1, 1947. O. G. July 22.
Playing-cards. United States Playing Card Co. 60,618; re-renewed Feb. 12, 1947. O. G. July 22.
Playing cards. United States Playing Card Co. 62,565; re-renewed May 14, 1947. O. G. July 22.

CLASS 23

Cultivators, stalk-cutters, harrows, etc. Ohio Cultivator Company. 56,565; re-renewed Oct. 9, 1946. O. G. July 22.
Diggers, posthole digger augers, posthole digger bearings, Posthole. D. Kirby. 431,549; July 22.
Drilling machines, Power-driven upright and radial. Cincinnati Bickford Tool Company. 224,995; renewed Mar. 8, 1947. O. G. July 22.
Dryers and coolers, Encased traveling pan conveyor type. Link-Belt Company. 431,515; July 22.

CLASS 24

Ironing board cover. Stadham Company, Inc. 431,539; July 22.
Laundry racks. R. S. Palmer. 431,392; July 22; Serial No. 492,578; published Apr. 22, 1947.
Tubs and tubs for washing machines, Stamped, pressed, or drawn steel wash. Mullins Manufacturing Corporation. 431,399; July 22; Serial No. 494,698; published Apr. 22, 1947.
Washtubs. Wheeling Corrugating Company. 223,702; renewed Feb. 8, 1947. O. G. July 22.
Washing and ironing machines, Clothes. J. G. Hurley. 431,402; July 22; Serial No. 497,480; published Apr. 1, 1947.

CLASS 25

Sash-fasteners. H. B. Ives Company. 62,577; re-renewed May 14, 1947. O. G. July 22.

CLASS 26

Calipers and gages. Morse Twist Drill & Machine Company. 62,758; re-renewed May 21, 1947. O. G. July 22.
Patterns, Paper dress. Condé Nast Publications, Inc. 227,966; renewed May 17, 1947. O. G. July 22.
Rule device, Computing slide. J. M. Bettner. 431,537; July 22.

CLASS 27

Horological instruments consisting of watches. Franklin Simon & Co. Inc. 227,633; renewed May 10, 1947. O. G. July 22.
Material for watches. P. Mereminsky. 431,407; July 22; Serial No. 499,272; published Apr. 22, 1947.
Watches. Bulova Watch Company. 431,492–3; July 22; Serial Nos. 508,708–9; published Apr. 22, 1947.
Watches. Waltham Watch Company. 431,380; July 22; Serial No. 488,557; published Apr. 29, 1947.
Watches and clocks. United States Time Corporation. 431,496; July 22; Serial No. 509,054; published Apr. 22, 1947.
Watches and watch cases. L. Sickles. 431,393–4; July 22; Serial Nos. 492,799–800; published Apr. 22, 1947.
Watches, clocks, and parts thereof. Octo Watches, Inc. 431,384–5; July 22; Serial Nos. 490,076–7; published Apr. 29, 1947.
Watches, watch cases, and watch movements. Gruen Watch Company. 431,502; July 22; Serial No. 500,841; published Apr. 29, 1947.
Watches, watch movements, and parts of the same. N. Engel & Company. 431,430; July 22; Serial No. 504,102; published Apr. 29, 1947.
Watches, watch movements, watchcases, and parts thereof. R. Gsell & Co., Inc. 431,497; July 22; Serial No. 509,217; published Apr. 22, 1947.

CLASS 28

Badges, lapel buttons, scarf, lapel, and breast pins, etc., Fraternity. Phi Delta Theta. 224,978; renewed Mar. 8, 1947. O. G. July 22.
Belt buckles, tie clasps, or tie holders, etc. P. M. Kelly. 431,547; July 22.
Bracelets. National Steel Fabric Company. 431,499; July 22; Serial No. 509,440; published Apr. 29, 1947.
Diamonds, diamonds mounted in finger rings, and rings without diamonds. W. Ludel. 431,390; July 22; Serial No. 491,276; published Apr. 15, 1947.
Flatware, Silver. Fine Arts Sterling Silver Company. 431,472–3; July 22; Serial Nos. 506,744–5; published Apr. 22, 1947.
Flatware, Silver. Fine Arts Sterling Silver Company. 431,474; July 22; Serial No. 506,746; published Apr. 29, 1947.
Gold, gold-filled, sterling, and plated jewelry. A. S. Perry. 431,471; July 22; Serial No. 506,686; published Apr. 15, 1947.
Holders, collar fasteners, belt buckles, etc., Necktie. Hickok Manufacturing Company, Inc. 431,483; July 22; Serial No. 507,315; published Apr. 15, 1947.
Jewelry. Bates & Klinke, Inc. 431,498; July 22; Serial No. 509,327; published Apr. 29, 1947.
Jewelry. Lawrence Mfg., Inc. 431,432; July 22; Serial No. 504,185; published Apr. 29, 1947.
Jewelry. D. Lisner & Co., Inc. 227,750; renewed May 17, 1947. O. G. July 22.
Jewelry, and metal articles of adornment. Jewel-Smiths, Inc. 431,423; July 22; Serial No. 502,753; published Apr. 15, 1947.
Jewelry, Children's. Speidel Corporation. 431,500; July 22; Serial No. 509,541; published Apr. 29, 1947.
Jewelry, Costume. Kaufman and Ruderman Co. Inc. 431,484; July 22; Serial No. 507,319; published Apr. 15, 1947.
Jewelry, finger rings, brooches, etc. Academy Award Products, Inc. 431,413; July 22; Serial No. 500,443; published Apr. 15, 1947.
Rings, Finger. J. Berland. 431,401; July 22; Serial No. 495,533; published Apr. 29, 1947.
Silverplated flat table ware. Oneida Ltd. 431,482; July 22; Serial No. 507,213; published Apr. 15, 1947.
Silver-plated ware. Wm. A. Rogers Ltd. 59,422; re-renewed Jan. 8, 1947. O. G. July 22.
Wrist-watch bands or bracelets. E. F. Herschede. 223,977; renewed Feb. 15, 1947. O. G. July 22.

CLASS 29

Brooms. Atlantic Southwestern Broom Company. 431,452; July 22; Serial No. 505,884; published Apr. 22, 1947.
Brushes, Hair. Trojan Brush Products, Inc. 431,478; July 22; Serial No. 507,032; published Apr. 29, 1947.

Brushes, Shaving. Bixler Corporation. 431,485; July 22; Serial No. 507,456; published Apr. 22, 1947.
Mops. J. M. Johnston. 431,461; July 22; Serial No. 506,172; published Apr. 15, 1947.
Mops, brushes, and dusters. Deco Manufacturing Company, Inc. 431,457; July 22; Serial No. 506,016; published Apr. 15, 1947.
Powder puffs. M. Levy. 224,306; renewed Feb. 22, 1947. O. G. July 22.
Powder puffs. M. Levy. 224,312; renewed Feb. 22, 1947. O. G. July 22.

CLASS 30

Earthenware and porcelain. Josiah Wedgwood & Sons Ltd. 62,522; re-renewed May 14, 1947. O. G. July 22.

CLASS 32

Cabinets, Knock down steel. G. R. M. C. Company. 431,403; July 22; Serial No. 497,600; published Apr. 29, 1947.
Cabinets, utility cabinets, wardrobes, etc., Kitchen. E. M. Becker. 431,387; July 22; Serial No. 490,735; published Feb. 11, 1947.
Chairs and high chair trays, Infants' high. Thayer Company. 431,409; July 22; Serial No. 499,924; published Apr. 29, 1947.
Furniture, Classroom. American Seating Company. 431,491; July 22; Serial No. 508,639; published Apr. 29, 1947.
Mattresses, and box springs. A. Moody & Co. Inc. 431,470; July 22; Serial No. 506,608; published Apr. 22, 1947.
Mattresses, box springs, cribs, etc. National Mattress Company. 431,408; July 22; Serial No. 499,728; published Apr. 15, 1947.
Mattresses, playards, cribs, etc. Plymouth Wholesale Dry Goods Corporation. 431,378; July 22; Serial No. 483,735; published Apr. 22, 1947.
Pillows. Interstate Latex Company. 431,469; July 22; Serial No. 506,450; published Apr. 22, 1947.
Pillows, Inflatable. Electronic Appliances Corp. 431,421; July 22; Serial No. 502,280; published Apr. 22, 1947.
Prie dieus. Holland Brass Works, Inc. 228,190; renewed May 24, 1947. O. G. July 22.
Table tops, Plastic composition. Federal Machine and Welder Company. 431,501; July 22; Serial No. 509,644; published Apr. 22, 1947.
Upholstery covers. Irving and Anna Herman. 431,418; July 22; Serial No. 501,451; published Apr. 22, 1947.
Window shades. Keystone Window Shade Company, Inc. 431,464; July 22; Serial No. 506,244; published Apr. 22, 1947.

CLASS 34

Dampers, Fireplace. M. J. Skubé. 222,541; renewed Jan. 4, 1947. O. G. July 22.

CLASS 35

Valve leathers, leather valve washers, and leather valve disks. J. E. Rhoads & Sons. 228,201; renewed May 24, 1947. O. G. July 22.

CLASS 36

Musical instruments. Lyon & Healy, Inc. 227,824; renewed May 17, 1947. O. G. July 22.

CLASS 37

Books and albums, Scrap. Amberg File and Index Company. 431,466; July 22; Serial No. 506,286; published Apr. 15, 1947.
Index devices. Bates Manufacturing Company. 431,427; July 22; Serial No. 503,491; published Apr. 29, 1947.
Labels, Partially printed gummed paper. Label-Rite Co. Limited. 431,397; July 22; Serial No. 494,408; published Apr. 22, 1947.
Lead-pencils and point-protectors. American Lead Pencil Company. 60,469; re-renewed Feb. 12, 1947. O. G. July 22.
Paper, boxed stationery, envelopes, etc. Western Tablet & Stationery Corporation. 431,424; July 22; Serial No. 503,274; published Apr. 22, 1947.
Paper, High-grade. Parsons Paper Company. 61,530; re-renewed Mar. 26, 1947. O. G. July 22.
Paper, High-grade. Parsons Paper Company. 61,587–9; re-renewed Mar. 26, 1947. O. G. July 22.
Paper, Printing. Champion Coated Paper Company. 225,583; renewed Mar. 22, 1947. O. G. July 22.
Philatelic accessory. H. R. Elzey. 431,444; July 22; Serial No. 505,402; published Apr. 22, 1947.
Stationery. Courier Papeteries. 431,440; July 22; Serial No. 505,145; published Apr. 15, 1947.
Stationery. Novelté Papeteries, Inc. 431,458; July 22; Serial No. 506,056; published Apr. 15, 1947.

CLASS 38

Books, Printed. Business News Publishing Company. 431,456; July 22; Serial No. 506,003; published Apr. 29, 1947.
Calendars, publications, bulletins, etc. Consolidated Cosmetics. 431,417; July 22; Serial No. 501,441; published Apr. 29, 1947.
Cards, Greeting. Brownie's Blockprints, Inc. 431,406; July 22; Serial No. 499,041; published Apr. 29, 1947.
Comic strip. McNaught Syndicate, Inc. 431,465; July 22; Serial No. 506,248; published Apr. 29, 1947.
Magazine. Archie Comic Publications, Inc. 431,459; July 22; Serial No. 506,083; published Apr. 29, 1947.
Magazine. Bleu Blanc Rouge Publications, Inc. 431,450; July 22; Serial No. 505,728; published Apr. 29, 1947.
Magazine. Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The. 431,439; July 22; Serial No. 504,868; published Apr. 29, 1947.
Magazine, Monthly. Hoosier Motor Club. 226,835; renewed Apr. 19, 1947. O. G. July 22.
Magazine, Monthly. Humane Society of the City of Columbus, Ohio. 431,506; July 22.
Magazine, Monthly. Style Publications, Inc. 431,548; July 22.
Magazine section. Funk & Wagnalls. 223,898; renewed Feb. 15, 1947. O. G. July 22.
Magazine section, architectural plans, and pamphlets. Meredith Publishing Company. 431,414; July 22; Serial No. 500,684; published Apr. 29, 1947.
Magazine, Weekly. Manufacturers Record Publishing Company. 223,121; renewed Jan. 18, 1947. O. G. July 22.
Magazines. Providence Journal Company. 431,536; July 22.
Newspaper, Weekly. National Tribune Corporation. 227,250; renewed May 3, 1947. O. G. July 22.
Newspapers, Daily. New York Times Company. 227,904; renewed May 17, 1947. O. G. July 22.
Periodical. Confectioners Journal Publishing Company. 61,437; re-renewed Mar. 19, 1947. O. G. July 22.
Periodical publication. Media Publishing Company. 431,545; July 22.
Periodical published monthly. New York Trust Company. 222,602; renewed Jan. 4, 1947. O. G. July 22.
Photographs. R. H. Gobrecht. 431,468; July 22; Serial No. 506,376; published Apr. 29, 1947.
Publication, News service. McGraw-Hill Publishing Company, Inc. 431,404; July 22; Serial No. 498,297; published Apr. 29, 1947.
Publication or circular, Periodic. Sears, Roebuck and Co. 431,462; July 22; Serial No. 506,207; published Apr. 29, 1947.
Publication, Periodical. National Committee on Alcohol Hygiene, Inc. 431,511; July 22.

CLASS 39

Bathing suits. W. Thornton. 431,542; July 22.
Boots, shoes, and slippers. W. L. Douglas Shoe Co. 431,487; July 22; Serial No. 507,894; published Apr. 22, 1947.
Boots, shoes, and slippers. Thomas G. Plant Company. 228,202; renewed May 24, 1947. O. G. July 22.
Brassières. M. R. Brassiere Co. 431,523; July 22.
Brassières. G. M. Poix, Inc. 431,454; July 22; Serial No. 505,982; published Apr. 15, 1947.
Brassières. G. M. Poix, Inc. 431,455; July 22; Serial No. 505,984; published Apr. 15, 1947.
Caps and hats. Disney Hats. 219,621; renewed Oct. 19, 1946. O. G. July 22.
Caps and hats. Disney Hats. 219,642; renewed Oct. 19, 1946. O. G. July 22.
Cloaks, overcoats, sweaters, etc. Chain Shirt Shops Inc. 226,165; renewed Apr. 5, 1947. O. G. July 22.
Clothes and sportswear, Men's and women's street. E. Bauer. 431,514; July 22.
Coats and fur jackets, Fur. Metz Bros. 431,538; July 22.
Coats and suits, Women's and misses' ready-to-wear. Rapaport Coat Corporation. 431,431; July 22; Serial No. 504,129; published Apr. 8, 1947.
Coats and suits, Women's, misses' and junior misses'. Alamak Juniors. 431,527; July 22.
Coats, Girls' and misses'. Smart Maid Coat Co. Inc. 431,532; July 22.
Coats, mink fur scarfs, and mink fur collars and cuffs, Women's mink fur. I. J. Fox, Inc. 431,374; July 22; Serial No. 477,410; published Oct. 23, 1945.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 221,667; renewed Dec. 7, 1946. O. G. July 22.
Coats, vests, trousers, etc., Men's and boys' ready-to-wear. B. Kuppenheimer & Co. Inc. 224,258; renewed Feb. 22, 1947. O. G. July 22.
Coats, Women's. Joseph Brody & Bros., Inc. 431,494; July 22; Serial No. 508,972; published Apr. 22, 1947.
Coats, Women's and misses'. P. Portfolio & Co., Inc. 431,526; July 22.
Covering for the feet, Knitted. Knit Goods Specialty Co. 431,541; July 22.
Culottes. L. M. Sever. 431,495; July 22; Serial No. 509,041; published Apr. 29, 1947.
Dresses, Children's. Borgenicht Bros., Inc. 431,550; July 22.
Dresses, Ladies', women's, and misses'. N. Jacobson. 431,477; July 22; Serial No. 506,941; published Apr. 22, 1947.

Dresses, pinafores, skirts, etc., Girls'. Riegel & Dechter. 431,534; July 22.
Dresses, suits, coats, jackets, etc., Misses'. Ed Gerrick, Inc. 431,519; July 22.
Elastic bottoms for use on parts of garments. Russell Manufacturing Company. 221,056; renewed Nov. 23, 1946. O. G. July 22.
Garments and apparel, Protective. Safety Clothing & Equipment Co. 431,528; July 22.
Garments, Knitted wool outer and under. Patons & Baldwins Limited. 431,376; July 22; Serial No. 479,722; published Apr. 29, 1947.
Gloves. Sabin Company Gloves. 224,324; renewed Feb. 22, 1947. O. G. July 22.
Gloves. Wimelbacher & Rice, Inc. 431,479; July 22; Serial No. 507,034; published Apr. 22, 1947.
Hat bodies, Wool felt. Henry Pollak, Inc. 431,544; July 22.
Hats and bonnets, Children's and infants'. M. S. Tanowitz. 431,540; July 22.
Hats and caps. John B. Stetson Company. 431,386; July 22; Serial No. 490,551; published Apr. 2, 1946.
Hats, Ladies', misses', and children's. Sully Hats. 431,552; July 22.
Heel cushions. Silverite Co. 209,039; renewed Feb. 16, 1946. O. G. July 22.
Hosiery. C. F. Berg. 227,653; renewed May 10, 1947. O. G. July 22.
Hosiery. Peck & Peck. 227,527; renewed May 10, 1947. O. G. July 22.
Jackets, Ladies' bed. F. Weinberg, Inc. 431,551; July 22.
Neckties. Superba Cravats. 431,508; July 22.
Neckties. Weisbaum Bros.–Brower Co. 228,062; renewed May 24, 1947. O. G. July 22.
Nightgowns, Women's. Munsingwear, Inc. 431,480–1; July 22; Serial Nos. 507,210–11; published Apr. 29, 1947.
Pants, riding jackets, slacks and jackets, Riding. L. J. Gallina. 431,517; July 22.
Rainwear, Ladies', misses', and junior misses'. Joseph Stein Coat Co. 431,533; July 22.
Shirts, pajamas, and underwear, Outer. Browning King Co. of New York, Inc. 431,543; July 22.
Shoes. American Girl Shoe Co. 431,520; July 22.
Shoes. Clausen and Company. 431,436; July 22; Serial No. 504,805; published Apr. 15, 1947.
Shoes. Dr. A. Posner Shoes, Inc. 431,371; July 22; Serial No. 466,949; published Apr. 15, 1947.
Shoes. Dyer's Ground Gripper Shoe Store, Inc. 431,518; July 22.
Shoes. T. Hermanos. 431,412; July 22; Serial No. 500,390; published Apr. 15, 1947.
Shoes, Leather. Boyd-Richardson Company. 431,391; July 22; Serial No. 492,357; published Apr. 8, 1947.
Shoes, Women's and girls'. Victory Shoe Company. 431,489; July 22; Serial No. 508,395; published Apr. 15, 1947.
Shoes, Women's, misses' and children's. Oppenheim, Collins & Co., Inc. 223,711; renewed Feb. 8, 1947. O. G. July 22.
Shorts, Girls' and women's. J. Koret. 431,505; July 22.
Shorts, Girls' and women's outer. Koret of California, Inc. 431,512; July 22.
Skirts, slacks, suits, etc., Women's, misses', and girls'. A & H Binder Company. 431,530; July 22.
Skirts, suits, jackets, slacks, etc., Women's and girls'. Columbia Skirt & Sportswear Co. 431,522; July 22.
Skirts, Women's divided. J. Koret. 431,507; July 22.
Slacks, slacksuits, suits, etc., Ladies'. H. Levine. 431,531; July 22.
Slippers. G. Cohn. 431,488; July 22; Serial No. 508,100; published Apr. 29, 1947.
Soles and insoles of leather. E. D. Van Tassel, Jr. 431,503; July 22; Serial No. 509,894; published Apr. 22, 1947.
Sportswear. C. H. Masland & Sons. 431,546; July 22.
Suits for men. Keller-Heumann-Thompson Co. Inc. 227,517; renewed May 10, 1947. O. G. July 22.
Suits, overcoats, topcoats, etc., Men's. Boyd-Richardson Company. 431,400; July 22; Serial No. 494,735; published Apr. 15, 1947.
Sweaters and hosiery, Knitted. Revere Knitting Mills, Inc. 227,589; renewed May 10, 1947. O. G. July 22.
Sweaters, Ladies'. S. & M. Sportswear Co. 431,516; July 22.
Sweaters, Ladies' knitted. Carlisle Sportswear. 431,525; July 22.
Underwear, Children's and young ladies'. Doris Miller. Inc. 431,521; July 22.
Uniforms and maids' dresses, Nurses'. A. A. Silverman. 431,377; July 22; Serial No. 480,796; published June 19, 1945.
Wearing apparel for women, misses, juniors, and children. Carañol-Silverman Garment Co. 227,515; renewed May 10, 1947. O. G. July 22.

CLASS 42

Cloth and textile piece goods. Golden Rule Company. 431,379; July 22; Serial No. 487,323; published Apr. 29, 1947.
Covers, quilts, carriage sets, etc., Crib. American Needle Crafts, Inc. 431,398; July 22; Serial No. 494,421; published Apr. 22, 1947.
Fabrics comprising cotton, wool, linen, etc. Cone Export and Commission Company. 431,373; July 22; Serial No. 476,008; published Apr. 22, 1947.
Fabrics in the piece, Rayon. Granville Fabrics Co. 431,451; July 22; Serial No. 505,821; published Apr. 22, 1947.
Fabrics of wool, worsted, cotton, etc. Woolen Corporation of America. 228,067; renewed May 24, 1947. O. G. July 22.
Piece goods. Bianchini Ferier, Inc. 431,435; July 22; Serial No. 504,262; published Apr. 22, 1947.
Piece goods and combinations thereof, etc., Artificial-silk, silk, and cotton. Chopak Textile Co., Inc. 228,309; renewed May 31, 1947. O. G. July 22.
Piece goods, Cotton, silk, silk and cotton, etc. Arthur Beir & Co., Inc. 224,244; renewed Feb. 22, 1947. O. G. July 22.
Piece goods made of cellulose derivatives. Celanese Corporation of America. 431,372; July 22; Serial No. 471,789; published Apr. 15, 1947.
Piece goods of rayon. Stein & Fishman Fabrics. 431,395; July 22; Serial No. 492,968; published Apr. 22, 1947.
Piece goods, Textile. G. & G. Kynoch Limited. 431,420; July 22; Serial No. 502,068; published Apr. 15, 1947.
Ribbons made of rayon. Visray Textiles, Inc. 431,460; July 22; Serial No. 506,149; published Apr. 22, 1947.
Sheets or films of polyvinyl resin, sold as piece goods, Thin transparent or translucent. R. S. Harte. 431,389; July 22; Serial No. 491,255; published Apr. 22, 1947.
Shirting, cotton piece goods. Spartan Mills. 228,060; renewed May 24, 1947. O. G. July 22.
Table cloths, sheets and pillow cases. General Linen Company. 431,396; July 22; Serial No. 493,544; published Apr. 29, 1947.
Tapestry chenille, tapestry and velour. Moss Rose Manufacturing Company. 62,523; re-renewed May 14, 1947. O. G. July 22.
Textile carpets and rugs. C. H. Masland & Sons. 431,381; July 22; Serial No. 488,653; published Apr. 22, 1947.
Textile fabrics. Remond, Holland, Inc. 431,433; July 22; Serial No. 504,212; published Apr. 15, 1947.
Textile rugs and floor coverings. Oregon Flax Textiles, Inc. 431,383; July 22; Serial No. 491,169; published Apr. 22, 1947.
Worsted knitted fabrics and rayon knitted fabrics both in the piece. F. Phillips. 431,425; July 22; Serial No. 503,325; published Apr. 22, 1947.

CLASS 43

Sewing-cotton or cotton thread. Clark Thread Company. 61,841; re-renewed Apr. 9, 1947. O. G. July 22.
Spool-cotton and thread. American Thread Company. 62,385; re-renewed May 7, 1947. O. G. July 22.
Spool-cotton, sewing-cotton and thread. American Thread Company. 62,387–8; re-renewed May 7, 1947. O. G. July 22.
Thread. All kinds of cotton. Clark Thread Company. 62,022; re-renewed Apr. 16, 1947. O. G. July 22.

CLASS 44

Corsets, corrective supporters, abdominal supporters, etc., Surgical. William S. Rice, Inc. 225,940; renewed Mar. 29, 1947. O. G. July 22.

CLASS 46

Breakfast food, Cereal. Ralston Purina Company. 62,460; re-renewed May 7, 1947. O. G. July 22.
Cakes, Fried. E. S. Goldhill. 224,145; renewed Feb. 22, 1947. O. G. July 22.
Calorie content in tablet form, Sweetener of low. Allied Foods Industries, Inc. 431,529; July 22.
Candies. G. N. Hange. 431,524; July 22.
Candy. George Ziegler Company. 227,923; renewed May 17, 1947. O. G. July 22.
Candy lollipops or suckers. Melvin Candy Company, Inc. 227,056; renewed Apr. 26, 1947. O. G. July 22.
Canned chili and tamale seasoning, and canned chili beans. Wolf Brand Products. 431,513; July 22.
Canned citrus juices. B & W Fruit Company, Inc. 431,443; July 22; Serial No. 505,382; published Apr. 29, 1947.
Canned fruit juices and canned vegetable juices. Barron-Gray Packing Company. 431,441; July 22; Serial No. 505,175; published Apr. 22, 1947.
Canned fruits and canned vegetables. R. R. Mack. 431,375; July 22; Serial No. 477,425; published Dec. 17, 1946.
Canned mushrooms. E. H. Jacob. 227,525; renewed May 10, 1947. O. G. July 22.
Canned tomatoes and canned sauerkraut. C. R. Hirzel. 221,681; renewed Dec. 7, 1946. O. G. July 22.
Canned tomatoes, canned sugar corn, canned peas, etc. Geo. Rasmussen Company. 224,343; renewed Feb. 22, 1947. O. G. July 22.
Canned vegetables. Idaho Canning Company, Limited. 223,983; renewed Feb. 15, 1947. O. G. July 22.

Canned vegetables and spices. Great Atlantic & Pacific Tea Company. 62,927; re-renewed May 28, 1947. O. G. July 22.
Catchup. Joseph Campbell Company. 57,712; re-renewed Nov. 27, 1946. O. G. July 22.
Coconut, Prepared. Franklin Baker Company. 225,704; renewed Mar. 22, 1947. O. G. July 22.
Coffee. H. N. Saurage. 227,922; renewed May 17, 1947. O. G. July 22.
Coffee. Triggs, Dobbs & Company. 224,884; renewed Mar. 8, 1947. O. G. July 22.
Condiment similar to chili sauce. Paxton & Gallagher Co. 221,028; renewed Nov. 23, 1946. O. G. July 22.
Confection consisting of popcorn, peanuts, molasses, and sugar. D. L. Clark Company. 431,442; July 22; Serial No. 505,185; published Apr. 29, 1947.
Cornmeal, wheat-flour, cereal breakfast food, etc. Ralston Purina Company. 61,057; re-renewed Mar. 5, 1947. O. G. July 22.
Flour, Wheat. Claro Milling Company. 225,068; renewed Mar. 8, 1947. O. G. July 22.
Flour, Wheat. Claro Milling Company. 225,612; renewed Mar. 22, 1947. O. G. July 22.
Flour, Wheat. Morten Milling Company. 221,548; renewed Dec. 7, 1946. O. G. July 22.
Flour, Wheat. Pillsbury Flour Mills Company. 225,096; renewed Mar. 8, 1947. O. G. July 22.
Flour, Wheat. Pillsbury Flour Mills Company. 225,652; renewed Mar. 22, 1947. O. G. July 22.
Food extracts, Malted dry. Horlick's Food Co. 29,795; re-renewed Apr. 6, 1947. O. G. July 22.
Food-flavoring extracts. Davis Manufacturing Company. 217,117; renewed Aug. 24, 1946. O. G. July 22.
Frozen apricots, blackberries, boysenberries, etc., Fresh. Top Frost Foods, Inc. 431,486; July 22; Serial No. 507,762; published Apr. 29, 1947.
Frozen confections and liquid syrups, or concentrates. Joe Lowe Corporation. 431,445; July 22; Serial No. 505,426; published Apr. 29, 1947.
Frozen confections and liquid syrups or concentrates. Joe Lowe Corporation. 431,446; July 22; Serial No. 505,428; published Apr. 29, 1947.
Fruits, Fresh citrous. Escondido Citrus Union. 225,874; renewed Mar. 29, 1947. O. G. July 22.
Fruits, Fresh citrous. Sweetwater Fruit Company. 226,351; renewed Apr. 5, 1947. O. G. July 22.
Grapefruit, Fresh. G. H. Pletcher. 431,510; July 22.
Milk and fluid cream, Fluid. Irvindale Farms, Inc. 431,437; July 22; Serial No. 504,673; published Apr. 29, 1947.
Milk, evaporated milk and butter, Condensed. Great Atlantic & Pacific Tea Company. 62,926; re-renewed May 28, 1947. O. G. July 22.
Milk in hermetically-sealed cans, etc., Evaporated. Maricopa Creamery Co. 227,479; renewed May 10, 1947. O. G. July 22.
Milk, Sweetened condensed. American Milk Products Corporation. 221,647; renewed Dec. 7, 1946. O. G. July 22.
Milk, Sweetened condensed. American Milk Products Corporation. 221,745; renewed Dec. 7, 1946. O. G. July 22.
Milk, Unsweetened evaporated. American Milk Products Corporation. 221,800; renewed Dec. 14, 1946. O. G. July 22.
Nuts; raw or salted, Shelled edible. Charles A. Peterson Company. 431,382; July 22; Serial No. 488,927; published Apr. 29, 1947.
Pancake-flour. Towle Syrup Company. 61,824; re-renewed Apr. 9, 1947. O. G. July 22.
Pectin, corn sugar, and acid, Preparation of. Earl Kaffer & Sons. 431,535; July 22.
Poultry, Dressed. A. Getz. 221,457; renewed Nov. 30, 1946. O. G. July 22.
Preparation in powdered form and composed of chili pepper and other ingredients. Walker Properties Association. 227,491; renewed May 10, 1947. O. G. July 22.
Pretzels. American Cone & Pretzel Company. 431,475–6; July 22; Serial Nos. 506,852–3; published Apr. 29, 1947.
Pretzels. Oakdale Baking Company. 60,293; re-renewed Feb. 5, 1947. O. G. July 22.
Pretzels, cakes, crackers, etc. Oakdale Baking Company. 60,460; re-renewed Feb. 12, 1947. O. G. July 22.
Sandwiches. Automatic Canteen Company of America. 431,490; July 22; Serial No. 508,508; published Apr. 29, 1947.
Sirup, Malt. E. Clemens Horst Company. 227,575; renewed May 10, 1947. O. G. July 22.
Syrup. Towle Syrup Company. 61,963–4; re-renewed Apr. 9, 1947. O. G. July 22.
Syrup and molasses, Maple. Towle Syrup Company. 61,962; re-renewed Apr. 9, 1947. O. G. July 22.
Syrup, Malt. Minneapolis Brewing Company. 226,295–7; renewed Apr. 5, 1947. O. G. July 22.

CLASS 48

Malt beverages. Jacob Schmidt Brewing Company. 225,370–1; renewed Mar. 15, 1947. O. G. July 22.
Malt beverages. Jacob Schmidt Brewing Company. 226,975; renewed Apr. 26, 1947. O. G. July 22.

CLASS 49

Liquor. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. 29,166; re-renewed Nov. 17, 1946. O. G. July 22.
Liqueur. Société Anonyme de la Distillerie de la Liqueur Bénédictine de l'Abbaye de Fécamp. 57,684; re-renewed Nov. 27, 1946. O. G. July 22.
Whisky. Daviess County Distilling Co. 62,722; re-renewed May 21, 1947. O. G. July 22.
Whisky. C. P. Moorman & Company, Inc. 62,714–17; re-renewed May 21, 1947. O. G. July 22.
Whisky. C. P. Moorman & Company. 62,768; re-renewed May 21, 1947. O. G. July 22.
Whisky. F. C. Renziehausen. 62,733; re-renewed May 21, 1947. O. G. July 22.

CLASS 50

Brooder houses, hog houses, and coops. T. Godwin 226,350; renewed Apr. 5, 1947. O. G. July 22.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

England, August J., assignor to C. J. Schriever, Providence, R. I. Manufacture of ornamental chains. Re. 22,901; July 22.

Schriever, Clarence J., assignee: *See*—
England, August J.

LIST OF PLANT PATENTEES

De Ruiter, Gerrit, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 745; July 22.

De Ruiter, Gerrit, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 746; July 22.

Hague, Phyllis R., West Hill, East York Township, Ontario, Canada, assignor to Jackson and Perkins Co., Newark, N. Y. Dianthus caryophyllus plant. 747; July 22.

Jackson & Perkins Company, assignee: *See*—
De Ruiter, Gerrit.
Hague, Phyllis R.

Malmo, Clark P., Seattle, Wash. Pentstemon plant. 744; July 22.

LIST OF DESIGN PATENTEES

Altherr, Gilbert H., and N. E. Nelson, Dayton, Ohio. Airplane. 147,171; July 22.

Atchison, Albert A., assignor of one-half to H. D. Glascock, Hercules, Calif. Smoking pipe. 147,172; July 22.

Boeing Aircraft Company, assignee: *See*—
Wells, Edward C.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Gilbert, A. C., Company, The, assignee: *See*—
Preble, Harry S., Jr.

Glascock, Henry D., assignee: *See*—
Atchison, Albert A.

Gruber, Abe, New York, N. Y. Raincoat or similar article. 147,173; July 22.

Guttman, Edward, New York, N. Y. Polo shirt or similar article. 147,174; July 22.

Guttman, Edward, New York, N. Y. Polo shirt or similar article. 147,175; July 22.

Guttman, Edward, New York, N. Y. Polo shirt or similar article. 147,176; July 22.

Guttman, Edward, New York, N. Y. Polo shirt or similar article. 147,177; July 22.

Harley, Edward J., Philadelphia, and L. W. Metzger, Doylestown, Pa. Locomotive body. 147,178; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 147,179; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,180; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,181; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,182; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,183; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,184; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,185; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,186; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,187; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,188; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,189; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,190; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,191; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,192; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,193; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,194; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,195; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch of similar article. 147,196; July 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,197; July 22.

Metzger, Lewis W.: *See*—
Harley. Edward J., and Metzger.

Nelson, Norman E.: *See*—
Altherr, Gilbert H., and Nelson.

Oppenheim, Austin N., assignor to Traub-Lyons-Oppenheim, Inc., New York, N. Y. Woven fabric. 147,198; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,199; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,200; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,201; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,202; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,203; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,204; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,205; July 22.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,206; July 22.

Preble, Harry S., Jr., New York, N. Y., assignor to The A. C. Gilbert Company, New Haven, Conn. Encased power unit of an electric appliance or the like. 147,207; July 22.

Traub-Lyons-Oppenheim, Inc., assignee: *See*—
Oppenheim, Austin N.

Trifari, Krussman, & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Wachsman, Melson J., Grand Rapids, assignor to Wilcox-Gay Corporation, Charlotte, Mich. Combination radio and phonograph cabinet. 147,208; July 22.

Wells, Edward S., assignor to Boeing Aircraft Company, Seattle, Wash. Throttle type faucet. 147,209; July 22.

Wilcox-Gay Corporation, assignee: *See*—
Wachsman, Melson J.

Winston, George, New York, N. Y. Child's animal toy or similar article. 147,210; July 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1947

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abisch, Osias: *See*—
Scott, Kenneth M., and Abisch.

Acme Steel Company, assignee: *See*—
Spiller, William R., and Niederhauser.

Alco Valve Company, assignee: *See*—
Rose, Howard E.

Aldis, William J.: *See*—
Whyte, Alexander K., and Aldis.

Alexander, Horace W., and A. Comper, assignors to American Sterilizer Company, Erie, Pa. Reflectors. 2,424,531; July 22.

Allen, Rex W., Palisades, assignor to Camloc Fastener Corporation, New York, N. Y. Retainer for stud assembly. 2,424,265; July 22.

Allied Shoe Machinery Corp., assignee: *See*—
Perri, Angelo.

Alspach, James H.: *See*—
Ellis, Delbert, and Alspach.

Aluminum Company of America, assignee: *See*—
Dunbar, Richard S.

American Enka Corporation, assignee: *See*—
Henry, William V.
Moritz, Adrian J. L.

American Instrument Company, assignee: *See*—
Morris, Nathan.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Duna, Alfred L.

American Sterilizer Company, assignee: *See*—
Alexander, Horace W., and Comper.

American Viscose Corporation, assignee: *See*—
Lodge, Alvin.

Anderson, Frank C., U. S. Coast Guard. Parachute release. 2,424,215; July 22.

Anderson, James A., Memphis, Tenn. Adjustable transformer. 2,424,379; July 22.

Andrews, L. V., and G. A. Rehm, assignors to Riley Stoker Corporation, Worcester, Mass. Steam purifying apparatus. 2,424,212; July 22.

Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,424,297; July 22.

Armstrong, John E.: *See*—
Piccardo, Jack E., and Armstrong.

Arnold, Ralph J., Western Springs, assignor, by mesne assignments, to Kellogg Switchboard and Supply Company, Chicago, Ill. Coiling means for making elastic coil structures. 2,424,426; July 22.

Atkins, Carl E., Elgin, Ill., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Control system for radio receivers. 2,424,216; July 22.

Attorney General of the United States: *See*—
Büttner, Hugo.
Gottesmann, Uscha, and Lowenstein.
Meyer, Michel J.

Automatic Electric Laboratories Inc., assignee: *See*—
Gillings, Charles, and Beale.
McClew, John W., and Pearce.
Taylor, Reginald, and Baker.

Automatic Laboratories, Inc., assignee: *See*—
Giannini, Gabriel M.

Autophon Aktiengesellschaft, assignee: *See*—
Tschumi, Otto.

Ayers, Alvin N., Asheville, N. C., and L. E. Hamilton, Sr., Atlanta, Ga.; said Ayers assignor to said Hamilton. Picker stick strap lug. 2,424,427; July 22.

Ayers, Fred L., Waltham, Mass., assignor of twenty-two one-hundredths to C. G. Keferstein, New York, N. Y. Innersole and making the same. 2,424,428; July 22.

Bailey, Francis T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reverse current circuit protection. 2,424,298; July 22.

Baker, George T.: *See*—
Taylor, Reginald, and Baker.

Baldwin Locomotive Works, The, assignee: *See*—
Sonntag, Alfred.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Sheet metal storage cabinet. 2,424,217; July 22.

Bamberg, Paul E., assignor to Dempster Brothers, Incorporated, Knoxville, Tenn. Locking device. 2,424,429; July 22.

Barber-Colman Company, assignee: *See*—
Colman, Howard D.
Cook, John F.

Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Spooling mechanism for cable winches. 2,424,380; July 22.

Baudry, René A., Wilkinsburg, and H. E. Criner, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator. 2,424,299; July 22.

Beale, Charles E.: *See*—
Gillings, Charles, and Beale.

Beard, Charles L., Lancaster, Pa. Eccentric driving connection. 2,424,532; July 22.

Beauchamp, Wilfred A., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door locking and closing device. 2,424,381; July 22.

Becker, Walter, Dayton, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Control system for hydraulic circuits. 2,424,300; July 22.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recording-reproducing means and system. 2,424,218; July 22.

Bell Aircraft Corporation, assignee: *See*—
Stanley, Robert, and Strickler.

Bell & Howell Company, The, assignee: *See*—
Stechbart, Bruno, and Foote.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Johnson, Kenneth S.
Marshall, Tola A.
Mason, Warren P.

Bendix Aviation Corporation, assignee: *See*—
Honeywell, Charles C.
Miles, John B.
Nardone, Romeo M.

Beyer, Raymond H., assignor to South Bend Bait Company, South Bend, Ind. Fishing rod. 2,424,430; July 22.

Black, Eric A., Red Bank, N. J., assignor to the Government of the United States of America, as represented by the Secretary of War. Screen. 2,424,219; July 22.

Bloore, Robert B., Newcastle-under-Lyme, assignor to Swinnerton's Limited Vulcan Pottery, Stoke-on-Trent, Stafford, England. Drying stove comprising relatively rotatable annular walls. 2,424,213; July 22.

Boeing Aircraft Company, assignee: *See*—
Weikel, Raymond C.

Bohm, Joseph: *See*—
Gardner, Ralph D., and Bohm.

Booth, James H.: *See*—
Graham, Matthew P., and Booth.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,424,431; July 22.

Bousquet, Euclid W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticide containing an amyl imide of 3,6-endomethylene-4-cyclohexene-1,4-dicarboxylic acid. 2,424,220; July 22.

Bower, Richard, Flushing, N. Y. Vanity case. 2,424,432; July 22.

Boyer, Hugo B., Los Angeles, Calif. Armature and coil winding machine. 2,424,301; July 22.

Brickey, Kyle J., Ottumwa, Iowa. Scabbard. 2,424,302; July 22.

British Celanese Limited, assignee: *See*—
Olpin, Henry C., Gibson, and McKnight.

Brooks, Harold H.: *See*—
Hyatt, Charles S., and Brooks.

Brown, Charles C., Greensboro, N. C. Foldable leg structure for tables and the like. 2,424,266; July 22.

Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Heat exchanger. 2,424,221; July 22.

Brown, Leslie M., East Hartford, assignor to The Sflex Company, Hartford, Conn. Thermostatic control. 2,424,433; July 22.

Brown, Thomas J., and E. B. Bush, Oklahoma City, Okla. Rear vision mirror mounting. 2,424,222; July 22.

Brush Development Company, The, assignee: *See*—
Begun, Semi J.
Williams, Alfred L. W.

Buckbee, John A., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Unidirectional voltage generator. 2,424,214; July 22.

Bucknell, Anita R., assignee: *See*—
Bucknell, William H.

Bucknell, William H., assignor of one-half to A. R. Bucknell, Norwalk, Conn. Heat insulated receptacle. 2,424,434; July 22.

Budd Company, The, assignee: *See*—
Watter, Michael.

Bush, Elijah B.: *See*—
Brown, Thomas J., and Bush.

Büttner, Hugo, Wuppertal-Vohwinkel, Germany; vested in the Attorney General of the United States. Spring filling for mattresses, sofas, seats, cushions or the like. 2,424,382; July 22.

Calvert, Francis E., assignor to The Drackett Company, Cincinnati, Ohio. Phenol-formaldehyde-protein plastic materials for extrusion or injection. 2,424,383; July 22.

Camloc Fastener Corporation, assignee: *See*—
Allen, Rex W.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Greider, Harold W., and Fasold.

Carlson, August, Kansas City, Mo. Bottle dispensing apparatus. 2,424,303; July 22.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Ehemann, George D., Jr., and Fickenscher.
Hedges, Don F.

Carter Carburetor Corporation, assignee: *See*—
Korte, Alfred C.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. High frequency resonator and circuits therefor. 2,424,267; July 22.

Casson, Nicholas V., New York, N. Y. Hearing aid equipment for confessionals. 2,424,348; July 22.

Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Noise limiter and automatic volume control for television receivers. 2,424,349; July 22.

Cawein, Madison, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Video and synchronizing signal combining amplifier. 2,424,350; July 22.

Chemical Developments Corporation, assignee: *See*—
Toulmin, Harry A., Jr.

Cherry-Burrell Corporation, assignee: *See*—
Trier, Carl L., and Livingston.

Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Treatment of marmatitic zinc ores with HCl. 2,424,351; July 22.

Clark, Francis R.: *See*—
Marshall, Donald E., and Clark.

Cleveland Pneumatic Tool Company, The, assignee: *See*—
Greenough, Raymond E.

Colgate-Palmolive-Peet Company, assignee: *See*—
Marshall, Donald E., and Clark.
Ross, John, and Potter.

Collins, Edward T., assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric socket. 2,424,435; July 22.

Colman, Howard D., deceased; H. A. Severson, executor, assignor to Barber-Colman Company, Rockford, Ill. Message intercepting and relaying circuits in an automatically directed message telegraph system. 2,424,223; July 22.

Columbus Coated Fabrics Corporation, assignee: *See*—
Hyatt, Charles S., and Brooks.

Combined Metals Reduction Company, assignee: *See*—
Christensen, Niels C.

Combustion Engineering Company, Inc., assignee: *See*—
Marshall, Leonard J.

Comper, Adrian: *See*—
Alexander, Horace W., and Comper.

Comstock, Emery F., assignor of one-half to W. V. Hallerman, Cincinnati, Ohio. Hydraulic drive. 2,424,384; July 22.

Conjurske, Frank J., Sturgeon Bay, Wis. Face protector shield for shampooing. 2,424,352; July 22.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Scrymgeour, Harper D.

Cook, John F., assignor to Barber-Colman Company, Rockford, Ill. Closure operator control system. 2,424,385; July 22.

Costello, Bernard, Riverside, N. J. Antiseize composition. 2,424,224; July 22.

Crater, Wilbur D., Peabody, Mass., assignor to General Electric Company. Pipe coupling. 2,424,436; July 22.

Criner, Harry E.: *See*—
Baudry, Rene A., and Criner.

Crompton & Knowles Loom Works, assignee: *See*—
Kronoff, Clarence B.

Cunningham, Lewis L., Los Angeles, assignor to General Controls Co., Glendale, Calif. Control system. 2,424,304; July 22.

Czeczowiczka, Rudolph H., assignor to Texproof Limited, Pendleton, Salford, England. Coating textile fabric with polyvinyl resin. 2,424,386; July 22.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,424,305; July 22.

Davis, Morton H., New York, N. Y. Folding music stand. 2,424,387; July 22.

Davis & Thompson Company, assignee: *See*—
Weimer, William H.

Davison Chemical Corporation, The, assignee: *See*—
Gabeler, William H.

Dawson, George A.: *See*—
Middleton, Edmund B., and Dawson.

Deere & Company, assignee: *See*—
Silver, Walter H.

Delano, Richard, Inc., assignee: *See*—
Delano, William R. P.

Delano, William R. P., New York, assignor to Richard Delano, Inc., Setauket, N. Y. Humidifier. 2,424,268; July 22.

Dempster Brothers, Incorporated, assignee: *See*—
Bamberg, Paul E.

Denault, Clinton L., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor plugging brake. 2,424,306; July 22.

Dent, Wallace R., Chicago, Ill. Welder's heat guard. 2,424,437; July 22.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Seal construction. 2,424,225; July 22.

Diroff, Alton J.: *See*—
Peltier, Walter J., and Diroff.

Doody, Walter J., Boston, Mass. Hydrant marker. 2,424,269; July 22.

Downie, John W., Schenectady, N. Y., assignor to General Electric Company. Protective system for electric blankets. 2,424,438; July 22.

Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Focal plane shutter. 2,424,439; July 22.

Drackett Company, The, assignee: *See*—
Calvert, Francis E.

Duffy, Hugh E., Chillicothe, Ohio. Air pressure system for multiple tank fuel feed devices. 2,424,440; July 22.

Dufour, Eric, Aubonne, Switzerland. Nonslipping rubber sole. 2,424,226; July 22.

Duna, Alfred L., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Buoyant cable. 2,424,388; July 22.

Dunbar, Richard S., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Rotary pay-off. 2,424,307; July 22.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bousquet, Euclid W.
Middleton, Edmund B., and Dawson.

Easson, Alexander P. T.: *See*—
Newbery, George, and Easson.

Eby, Hugh H., assignee: *See*—
Fox, Benjamin.

Economic Stampings, Limited, assignee: *See*—
Kilbourn, Thomas.

Edmonds, Eugene, assignor to Henry Vogt Machine Co., Louisville, Ky. Water distributing ferrule for vertical tube heat exchangers. 2,424,441; July 22.

Ehemann, George C., Jr., Edgewood, and P. H. Fickenscher, Duquesne, Pa., assignors to Carnegie-Illinois Steel Corporation. Automatic timing control scarfing apparatus. 2,424,270; July 22.

Eigenberger, Elroy L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchronous motor control system. 2,424,227; July 22.

Ellis, Delbert, Forest Hills, and J. H. Alspach, Swissvale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contactor. 2,424,308; July 22.

Elsner, Edwin C., Burbank, assignor of one-half to J. W. Schulze, North Hollywood, Calif. Handcart for molded blocks. 2,424,442; July 22.

Elvy, Charles, Rainham, Gillingham, England. Temporary holding pin. 2,424,309; July 22.

Engemann, Herbert H., Cleveland Heights, Ohio. Torsion spring assembly for automatic push rods. 2,424,389; July 22.

Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Apparatus for drying, heating, and/or cooling flowable solids. 2,424,228; July 22.

Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Drying, heating, and/or cooling flowable solids. 2,424,229; July 22.

Essig, Sanford F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Forming glass film on metal. 2,424,353; July 22.

Eunson, William H.: *See*—
Newhouse, Simeon E., and Eunson.

Eureka Williams Corporation, assignee: *See*—
Pierce, Frank L.

Evans, Bernard C., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,424,443; July 22.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Doyle, Irving W., and Johnson.
Johnson, Carl V., and Herbstreit.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Pity, Marcel.

Faires, William J., Chicago, Ill. Antisnore device. 2,424,533; July 22.

Farnsworth Television and Radio Corporation, assignee: *See*—
Buckbee, John A.
Cawein, Madison.
Essig, Sanford F.

Fasold, George A.: *See*—
Greider, Harold W., and Fasold.

Fawcett, Cecil C., Philadelphia, Pa. Securing a hair spring to an arbor. 2,424,230; July 22.

Ferris, Robert G., Harvard, Ill., assignor to United States of America, as represented by the Secretary of the Navy. Switch. 2,424,390; July 22.

Fickenscher, Paul H.: *See*—
Ehemann, George C., Jr., and Fickenscher.

Food Machinery Corporation, assignee: *See*—
Kerr, Charles E.

Foote, Alton G.: *See*—
Fulton, John W., and Foote.

Foote, Paul C.: *See*—
Stechhart, Bruno, and Foote.

Ford, Frank R., Sparkbrook, Birmingham, England. Moistening device for duplicating machines. 2,424,534; July 22.

Ford, William C., Andover, Mass. Amusement device. 2,424,354; July 22.

Fox, Benjamin, Philadelphia, Pa., assignor, by mesne assignments, to H. H. Eby, Fort Wayne, Ind. Spring binding post. 2,424,444; July 22.

Friedrich, Robert E.: *See*—
Van Sickle, Roswell C., Friedrich, and Fry.

Frier, John, Webster Groves, Mo. Machine for coating and opening flexible tubing. 2,424,445; July 22.

Frisch, Erling, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric propulsion system. 2,424,310; July 22.

Frost, George E., Arlington, Va. System for reducing direct-current fault currents. 2,424,231; July 22.

Fry, Francis J.: *See*—
Van Sickle, Roswell C., Friedrich, and Fry.

Fulton, John W., Cleveland Heights, and A. G. Foote, Wickliffe, Ohio, assignors to General Electric Company. Electric lamp or the like. 2,424,446; July 22.

Gabeler, William H., assignor to The Davison Chemical Corporation, Baltimore, Md. Gel manufacturing apparatus. 2,424,232; July 22.

Galkin, Joseph, New York, N. Y. Thread severing mechanism for sewing machines. 2,424,391; July 22.

Galloway, Clarence T., Pittsford, assignor to Gleason Works, Rochester, N. Y. Gear grinding machine. 2,424,271; July 22.

Gantenbein, Andreas, and J. Jäckle, Zurich, assignors to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Appliance for closing a switch for parallel connection of two networks or a network with incoming generator. 2,424,447; July 22.

Gardner Machine Company, assignee: *See*—
Gardner, Ralph D., and Bohm.

Gardner, Ralph D., and J. Bohm, Beloit, Wis., assignors to Gardner Machine Company, South Beloit, Ill. Grinding machine. 2,424,448; July 22.

Gasche, Fred, Titusville, Pa. Closure for high-pressure vessels. 2,424,449; July 22.

Gaynor, James W.: *See*—
Loane, Clarence M., and Gaynor.

Geigy, J. R., A. G., assignee: *See*—
Martin, Henry, Zaeslin, Hirt, and Staub.

General Aniline & Film Corporation, assignee: *See*—
Schmidt, Willy A., and Sprung.

General Chemical Company, assignee: *See*—
Neelley, Julius W.
Sieron, August T.

General Controls Co., assignee: *See*—
Cunningham, Lewis L.

General Electric Company, assignee: *See*—
Crater, Wilbur D.
Downie, John W.
Evans, Bernard C.
Fulton, John W., and Foote.
Gordon, Newell T.
Haynes, Howard, and Ickis.
Morris, Charles W.
Nelson, Richard B.
Riddington, Frederick W.
Stuart, Raymond H.
White, William C.
Whyte, Alexander K., and Aldis.

Ghia, Orestes, Montevideo, Uruguay. Reversible door lock. 2,424,450; July 22.

Giannini, Gabriel M., West Los Angeles, Calif., assignor to Automatic Laboratories, Inc., Chicago, Ill. Frequency converter. 2,424,451; July 22.

Gibson, Sydney A.: *See*—
Olpin, Henry C., Gibson, and McKnight.

Gillette Safety Razor Company, assignee: *See*—
Testi, Nicholas.

Gillings, Charles, and C. E. Beale, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Voice frequency and direct current impulse repeating system. 2,424,452; July 22.

Gleason Works, assignee: See—
Galloway, Clarence T.

Glick, Jack, Bronx, N. Y. Brassière. 2,424,453; July 22.

Goldman, Sylvan N., Oklahoma City, Okla. Store service rack. 2,424,355; July 22.

Gonzalez, Alberto R., assignor of eighty per cent to F. S. More, Habana, Cuba. Closure for nonrefillable containers. 2,424,356; July 22.

Goodman Manufacturing Company, assignee: *See*—
Hagenbook, Loy D.

Gordon, Newell T., Schenectady, N. Y., assignor to General Electric Company. Infrared generator. 2,424,454; July 22.

Gottesmann, Uscha, and H. Lowenstein, Paris, France; vested in the Attorney General of the United States. Electrolytic production of manganese compounds. 2,424,392; July 22.

Graham, Matthew P., and J. H. Booth, Detroit, Mich., assignors to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,424,455; July 22.

Granath, Axel G., and J. J. Gruenfeld, Chicago, assignors to H. S. Simpson, Evanston, Ill. Apparatus for removing fines in bucket loaders. 2,424,272; July 22.

Graves, Theodore E., West Orange, assignor to The Wilcolator Company, Elizabeth, N. J. Pressure cooker and control therefor. 2,424,393; July 22.

Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.

Greenough, Raymond E., Maple Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Landing gear. 2,424,233; July 22.

Greider, Harold W., Wyoming, and G. A. Fasold, Mount Healthy, Ohio, assignors to The Philip Carey Manufacturing Company. Compositions for built-up roofing. 2,424,234; July 22.

Gruenfeld, Julius J.: *See*—
Granath, Axel G., and Gruenfeld.

Haas, Walter O., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Crystal growing apparatus. 2,424,273; July 22.

Hagenook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,424,394; July 22.

Hallead, Mervil, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Propeller mounting. 2,424,456; July 22.

Hallerman, Walter V., assignee: *See*—
Comstock, Emery F.

Hamilton, Liday E., Sr.: *See*—
Ayers, Alvin N. and Hamilton.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse receiving system. 2,424,274; July 22.

Hansen, Lloyd D. Fanwood, A. S. Hegeman, Jr., Glen Ridge, and H. N. Snook, Maywood, N. J, assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,424,275; July 22.

Harnischfeger Corporation, assignee: *See*—
Hettelsater, Henry C.

Harris, Stanton A., Westfield, assignor to Merck & Co. Inc., Rahway, N. J. Making esters of 7,8-di-amino nonoic acid. 2,424,311; July 22.

Haynes, Harold E., Indianapolis, Inc., assignor to Radio Corporation of America. Average value voltage measuring device. 2,424,312; July 22.

Haynes, Howard, Willoughby, and L. S. Ickis, Jr., East Cleveland, Ohio, assignors to General Electric Company. Gaseous electric discharge lamp. 2,424,457; July 22.

Head, Wrightson & Company, assignee: *See*—
Scott, Kenneth M., and Abisch.

Hedges, Don F., Crown Point, Ind., assignor to Carnegie-Illinois Steel Corporation. Transportation load and preparing the same. 2,424,395; July 22.

Hegeman, Andrew S., Jr.: *See*—
Hansen, Lloyd D., Hegeman, and Snook.

Heijmer, Gustaf B., Enebyberg, Sweden. Emulsions for painting and varnishing purposes. 2,424,458; July 22.

Heinrich, Robert O., Racine, Wis. Quick locking vise. 2,424,313; July 22.

Hemphill Company, assignee: *See*—
St. Pierre, Eugene.

Henry, William V., Candler, assignor to American Enka Corporation, Enka, N. C. Device for use in the manufacture of synthetic threads. 2,424,490; July 22.

Herbstreit, William G.: *See*—
Johnson, Carl V., and Herbstreit.

Hettelsater, Henry C., assignor to Harnischfeger Corporation, Milwaukee, Wis. Ambulant soil treating apparatus. 2,424,459; July 22.

Hettelsater, Henry C., Whitefish Bay, assignor to Harnischfeger Corporation, Milwaukee, Wis. Intercepting rotor construction. 2,424,460; July 22.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination lock. 2,424,396; July 22.

Hirt, Rudolf: *See*—
Martin, Henry, Zaeslin, Hirt, and Staub.

Hodnette, John K., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective link. 2,424,314; July 22.

Hoeber, Barbara O. W., executrix: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, South Dartmouth, Mass., B. O. W. Hoeber and W. T. Read, executors, assignors to Textile Research Co. Adjustable protection rod for looms. 2,424,461; July 22.

Hoey, Raymond M., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Supporter garment. 2,424,462; July 22.

Hoffer, Howard G., Santa Monica, assignor to Teksun Inc., West Los Angeles, Calif. Injection mold. 2,424,235; July 22.

Hogg, Elsie C., Elizabeth, N. J. Multiple antiskid ribbed suction sole for shoes and rubber footwear. 2,424,463; July 22.

Honeycutt, Baker M.: *See*—
Watkins, Harmon L., and Honeycutt.

Honeywell, Charles C., New Milford, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical regulator. 2,424,464; July 22.

Horsley, Caperton B., Stamford, Conn., assignor to Ultrasonic Corporation, Boston, Mass. Method of and apparatus for modulating the frequency of sound waves. 2,424,357; July 22.

Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Frequency changer. 2,424,236; July 22.

Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Frequency multiplier. 2,424,237; July 22.

Hyatt, Charles S., and H. H. Brooks, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Fabric tube. 2,424,315; July 22.

Hydraulic Development Corporation, Inc., The, assignee: *See*—
Becker, Walter.

Hyland, James L., assignor to Republic Steel Corporation, Cleveland, Ohio. Hot metal mixer. 2,424,535; July 22.

Ickis, Lynn S., Jr.: *See*—
Haynes, Howard, and Ickis.

Illmer, Louis, Cortland, N. Y. Reel drive control for grinder machines. 2,424,465; July 22.

Imperial Chemical Industries Limited, assignee: *See*—
McGeoch, Sarah N.
Smith, Arthur E. W., Scaife, and Stanley.
Taylor, James, and Wright.

Industrial Tape Corporation, assignee: *See*—
Morin, Louis H.

International Business Machines Corporation, assignee: *See*—
Luhn, Hans P.

Jackle, José: *See*—
Gantenbein, Andreas, and Jackle.

Jacuzzi Bros., Incorporated, assignee: *See*—
Piccardo, Jack E., and Armstrong.

Jaeger, Machine Company, The, assignee: *See*—
Barker, Eugene.

Jerome, Arthur L.: *See*—
Kemmerer, Ralph R., and Jerome.

Jessop, Robert E. E., West Vancouver, British Columbia, Canada. Rotary roller pump. 2,424,466; July 22.

Johns-Manville Corporation, assignee: *See*—
Miles, William S.

Johnson, Carl V.: *See*—
Doyle, Irving W., and Johnson.

Johnson, Carl V., Kew Gardens, and W. G. Herbstreit, Forest Hills, N. Y., assignors to Fairchild Camera and Instrument Corporation. Control mechanism for camera motors. 2,424,276; July 22.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion and catalyst drying. 2,424,467; July 22.

Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission line with active networks. 2,424,238; July 22.

Johnston, Howard M., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Two stage hammer mill. 2,424,316; July 22.

Jones, Robert L., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine. 2,424,317; July 22.

Jungk, Herbert G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Equalized single-phase traction motor. 2,424,318; July 22.

Kamborian, Jacob S., West Newton, Mass. Machine for lasting welt-type shoes. 2,424,239; July 22.

Kamborian, Jacob S., West Newton, Mass. Apparatus for lasting shoes. 2,424,240; July 22.

Keathley, Emerson O., Tiptonville, Tenn. Spraying machine. 2,424,468; July 22.

Kebrich, Leonard M.: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

Keferstein, Charles G., assignee: *See*—
Ayers, Fred L.

Kellogg Switchboard and Supply Company, assignee: *See*—
Arnold, Ralph J.

Kemmerer, Ralph R., Swissvale, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway track insulation break-down signaling system. 2,424,319; July 22.

Kendall Company, The, assignee: *See*—
Hoey, Raymond M.
Miller, Wilmore H.

Kendall, Paul D.: *See*—
Tresise, Raleigh E., and Kendall.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Gauge for green corn cutter. 2,424,241; July 22.

Kilbourn, Thomas, assignor to Economic Stampings Limited, Leicester, England. Chain. 2,424,320; July 22.

King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque control for paired electric motors. 2,424,321; July 22.

King, William R., Newark, N. J., assignor to Jas. H. Matthews & Co., Pittsburgh, Pa. Type holder. 2,424,397; July 22.

Klein, Charles H., Amberley, Ohio. Shopper's bag. 2,424,277; July 22.

Klingstrom, Ove: *See*—
Liljestrom, Gustaf, and Klingstrom.

Koret, Stephanie D., San Francisco, Calif. Skirt. 2,424,398; July 22.

Korte, Alfred C., assignor to Carter Carburetor Corporation, St. Louis, Mo. Pump mounting. 2,424,469; July 22.

Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 2,424,358; July 22.

Kraus, Charles A., and A. S. Lehmann, Providence, R. I., C. L. Morris, Cambridge, Mass., and C. R. Witschonke, Chicago, Ill. Apparatus for chemical fractionation. 2,424,399; July 22.

Krause, Albert J., Seattle, Wash. Thread lock nut. 2,424,242; July 22.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam lifting mechanism for looms. 2,424,400; July 22.

Kronwall, Konstantin, Winetka, Ill., assignor to United Drill & Tool Corporation. Method and apparatus for point-grinding drills. 2,424,470; July 22.

Kunkel, Paul W., Portland, Oreg. Forming sockets for artificial limbs. 2,424,278; July 22.

Laird, Wilbur G., Pleasantville, N. Y. Fluid storage apparatus. 2,424,471; July 22.

Lear, Incorporated, assignee: *See*—
Nygaard, Herman.

Leeds and Northrup Company, assignee: *See*—
Davis, Elwood T.

Lehmann, Aldo S.: *See*—
Kraus, Charles A., Lehmann, Morris, and Witschonke.

Lesuk, Alex, Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Circulatory hormone preparation and making the same. 2,424,401; July 22.

Libshutz, Harry and I., Baltimore, Md. Uniform cap. 2,424,279; July 22.

Libshutz, Irving: *See*—
Libshutz, Harry and I.

Liljestrom, Gustaf, and O. Klingstrom, Gothenburg, Sweden. Adding machine. 2,424,359; July 22.

Link-Belt Company, assignee: *See*—
Erisman, John L.

Livingston, James H., III: *See*—
Trier, Carl L., and Livingston.

Loane, Clarence M., and J. W. Gaynor, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Froth flotation of sulfide ores with phosphorous-sulfide-olefin reaction product. 2,424,402; July 22.

Lodge, Alvin, Detroit, Mich., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for the fluid treatment of yarns and the like. 2,424,403; July 22.

Lorain Products Corporation, assignee: *See*—
Huge, Henry M.

Lowell, Percival D., Chevy Chase, Md. Remote control system. 2,424,243; July 22.

Lowenheim, Frederick A., Westfield, N. J., and M. M. Sternfels, Waterbury, Conn., assignors to Metal and Thermit Corporation, New York, N. Y. Tin plating from potassium stannate baths. 2,424,472; July 22.

Lowenstein, Hirsch: *See*—
Gottesmann, Uscha, and Lowenstein.

Lucia, Francis A., Brooklyn, N. Y. Tool and handle set. 2,424,404; July 22.

Luers, John M., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich. Cutting-off blade. 2,424,473; July 22.

Luers, John M., Patents Incorporated, assignee: *See*—
Luers, John M.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Entry retaining device for totalizers. 2,424,322; July 22.

Lurtz, Carl, Brooklyn, N. Y. Garment hanger. 2,424,280; July 22.

Lyon Metal Products, Incorporated, assignee: *See*—
Bales, James E.

Lytgens, Julius H., Los Angeles, Calif. Stage plug. 2,424,405; July 22.

MacGregor, Ethel A., assignee: *See*—
MacGregor, Peter.

MacGregor, Peter, assignor to E. A. MacGregor, Detroit, Mich. Punch. 2,424,474; July 22.

Madan, Edward K., Maplewood, N. J. Tray. 2,424,475; July 22.

Mahnke, Kurt: *See*—
Schaelchlin, Walter, and Mahnke.

Marcum, Charles R.: *See*—
Schneider, William, and Marcum.

Marshall, Donald E., Summit, and F. R. Clark, Leonia, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Method and apparatus for tight-wrap packaging. 2,424,406; July 22.

Marshall, Leonard J., Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Radiant steam generator. 2,424,476; July 22.

Marshall, Tola A., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for locking service observing teletypewriter during supervisory signal reception. 2,424,244; July 22.

Martin, Dosiax B., Des Moines, Iowa. Automotive power take-off. 2,424,360; July 22.

Martin, Henry, Basel, H. H. Zaeslin, Riehen, near Basel, R. Hirt, and A. Staub, assignors to J. R. Geigy A. G., Basel, Switzerland. Preparation of halogen substituted aminoarylsulphonic acid derivatives. 2,424,477; July 22.

Martin, James, Higher Denham, near Uxbridge, England. Hood for the cockpits of aeroplanes. 2,424,245; July 22.

Maschinenfabrik Oerlikon, assignee: *See*—
Gantenbein, Andreas, and Jackle.

Maskell, Thomas W., assignee: *See*—
Miller, Harry A.

Mason, Robert C., Pittsburgh, Pa. Tire cross chain. 2,424,478; July 22.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-modulated crystal oscillator. 2,424,246; July 22.

Massey-Harris Co. Ltd., assignee: *See*—
Johnston, Howard M.

Matthews, Jas. H., & Co., assignee: *See*—
King, William R.

May & Baker Limited, assignee: *See*—
Newbery, George, and Easson.

Mayer, Gottfried O., and E. C. Sloan, Madison, Wis., assignors to Oscar Mayer & Co., Inc., Chicago, Ill. Composite food package. 2,424,536; July 22.

Mayer, Michael, Cleveland, Ohio. Spreader tool. 2,424,407; July 22.

Mayer, Oscar, & Co., Inc., assignee: *See*—
Mayer, Gottfried O., and Sloan.

McCabe, Russell, assignor to The Udylite Corporation, Detroit, Mich. Tool head. 2,424,479; July 22.

McCaslin, James F., Cleveland, Ohio. Trigger pull for small arms. 2,424,247; July 22.

McClew, John W., and O. A. Pearce, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay allotter for finder switches. 2,424,281; July 22.

McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,424,480; July 22.

McCoy, Claudius T., Narberth, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,424,481; July 22.

McDonald, David, Birmingham, Ala. Window guard fastener. 2,424,361; July 22.

McDonnell Aircraft Corporation, assignee: *See*—
Utsch, Albert.

McGeoch, Sarah N., Greenford, England, assignor to Imperial Chemical Industries Limited. Preparation of peanut protein. 2,424,408; July 22.

McKnight, William C.: *See*—
Olpin, Henry C., Gibson, and McKnight.

Mechur, Bert, and W. Riedler, New York, N. Y. Shoulder pad and method of making the same. 2,424,482; July 22.

Melvill, Francis L., New York, N. Y. Contacting apparatus. 2,424,248; July 22.

Merck & Co. Inc., assignee: *See*—
Harris, Stanton A.
Tishler, Max.

Metal and Thermit Corporation, assignee: *See*—
Lowenheim, Frederick A., and Sternfels.

Meyer, George G., Potrero, Calif. Animal trap. 2,424,362; July 22.

Meyer, Michel J., Paris, France; vested in the Attorney General of the United States. Ball-and-socket joint for control transmissions. 2,424,409; July 22.

Middleton, Edmund B., Woodbridge, and G. A. Dawson, Stelton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanine dye intermediates, dyes, and their preparation. 2,424,483; July 22.

Middleton, Edmund B., Woodbridge, and G. A. Dawson, Stelton, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Silver halide emulsions sensitized with cyanine dyes containing a benzothiophenothiazole nucleus. 2,424,484; July 22.

Miles, John R., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Body and modified first porro type erecting system for telescopic instruments. 2,424,282; July 22.

Miles, John R., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Optical system for telescopes and binoculars. 2,424,283; July 22.

Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Device and method of securing corrugated sheets. 2,424,410; July 22.

Miller, Harry A., Dundalk, assignor to T. W. Maskell, Baltimore, Md. Adjustable jig bushing. 2,424,485; July 22.

Miller, John M., Washington, D. C. Determining the resonant frequency of series resonant electrical network. 2,424,249; July 22.

Miller, Nicholas, Berwyn, Ill. Eye-testing apparatus for indicating pupillary diameters. 2,424,363; July 22.

Miller, Wilmore H., Evanston, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tape dispenser. 2,424,486; July 22.

Millholland, James H., Philadelphia, Pa. Roller paint-coating device. 2,424,323; July 22.

Monroe, Benjamin C., Tuscola, Ill. Demountable wheel. 2,424,487; July 22.

Moore Fabric Company, assignee: *See*—
Moore, John V.

Moore, John V., assignor to Moore Fabric Company, Pawtucket, R. I. Production of narrow curvilinear non-elastic tape. 2,424,411; July 22.

More, Florencio S., assignee: *See*—
Gonzales, Alberto R.

Morin, Louis H., New York, N. Y., assignor to Industrial Tape Corporation. Adhesive tape dispenser. 2,424,488; July 22.

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Thread advancing reel. 2,424,489; July 22.

Morris, Charles L.: *See*—
Kraus, Charles A., Lehmann, Morris, and Witschonke.

Morris, Charles W., Marblehead, Mass., assignor to General Electric Company. Aircraft cabin supercharger arrangement. 2,424,491; July 22.

Morris, John K., Los Angeles, Calif. Buffer for longitudinally driven members. 2,424,492; July 22.

Morris, Nathan, assignor to American Instrument Company, Silver Spring, Md. Thermostatic regulator. 2,424,250; July 22.

Morton, Naomi, New York, N. Y. Self-adjusting garter. 2,424,251; July 22.

Müller, Willy, Basel, and J. Scheidegger, Bottmingen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Pyrazolone monoazo dyes containing polybasic acid esters of alkylene sulfones. 2,424,493; July 22.

Murcek, Slavo J., Duquesne, and R. W. Price, Murrysville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welder. 2,424,324; July 22.

Myers, John H., Baton Rouge, La. Journal box bucket hanger. 2,424,364; July 22.

Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Electrical surface cooking apparatus. 2,424,412; July 22.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter clutch. 2,424,494; July 22.

National Lead Company, assignee: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

National Research Corporation, assignee: *See*—
Stauffer, Robert A.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Ferris, Robert G.

Needre, John, Newport News, Va. Fire escape. 2,424,365; July 22.

Needre, John, Newport News, Va. Starter and lock for fire escape. 2,424,366; July 22.

Neelley, Julius W., Front Royal, Va., assignor to General Chemical Company, New York, N. Y. Vaporizing sulfur. 2,424,495; July 22.

Nelson, Arvid: *See*—
Santini, Danilo, and Nelson.

Nelson, Bruce G., Tacoma, Wash. Reel construction. 2,424,413; July 22.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Tunable magnetron of the resonator type. 2,424,496; July 22.

Newbery, George, Brentwood, and A. P. T. Easson, Hornchurch, assignors to May & Baker, Limited, Dagenham, Essex, England. Soluble amidine salts. 2,424,325; July 22.

Newhouse, Simeon E., Edgewood, and W. H. Eunson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Doubly-fed repulsion motor control system. 2,424,326; July 22.

Nicol, John M., Mill Valley, assignor to G. G. Titzell, Jr., San Francisco, Calif. Reciprocating and rotating drum concentrator. 2,424,367; July 22.

Niederhauser, Robert J.: *See*—
Spiller, William R., and Niederhauser.

Nilsson Gage Company, Inc., assignee: *See*—
Nilsson, John C.

Nilsson, John C., Hyde Park, assignor to Nilsson Gage Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,424,497; July 22.

Nygaard, Herman, East Orange, N. J., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Continuous magnetic recording system. 2,424,498; July 22.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Pedestal safety tie means. 2,424,327; July 22.

Oberdorf, George S. and T. J., Chula Vista, Calif. Retractible leash. 2,424,368; July 22.

Oberdorf, Thelma J.: *See*—
Oberdorf, George S. and T. J.

Olpin, Henry C., S. A. Gibson, and W. C. McKnight, Spondon, near Derby, assignors to British Celanese Limited, London, England. Fixation of finely divided substances. 2,424,284; July 22.

Oppenheimer, Samuel P., New York, N. Y. Hat protector. 2,424,414; July 22.

Orlando, Don S., San Jose, Calif. Box dumping machine. 2,424,252; July 22.

Paraphone Hearing Aid, Inc., assignee: *See*—
Tresise, Raleigh E., and Kendall.

Pars, Frank L., Brooklyn, N. Y. Valve. 2,424,328; July 22.

Pasturczak, Harry S., East Moline, Ill. Camera mounting. 2,424,499; July 22.

Pearce, Owen A.: *See*—
McClew, John W., and Pearce.

Peltier, Walter J., and A. J. Diroff, Monroe, assignors to Woodall Industries Incorporated, Detroit, Mich. Support for sun visors. 2,424,500; July 22.

Pelton, George S., assignee, et al.: *See*—
Swallow, William D.

Pelton, Herbert E., assignee, et al.: *See*—
Swallow, William D.

Penney, Gaylord W., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc prevention for control systems. 2,424,329; July 22.

Perri, Angelo, Groveland, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Sole roughing machine. 2,424,415; July 22.

Philco Corporation, assignee: *See*—
McCoy, Claudius T.
Stephan, Ingo L.

Piccardo, Jack E., Oakland, and J. E. Armstrong, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated. Pump and pump system. 2,424,285; July 22.

Pierce, Frank L., Ferndale, Mich., assignor to Eureka Williams Corporation. Suction cleaner. 2,424,253; July 22.

Pierce Governor Company, assignee: *See*—
Reger, Raymond.

Piry, Marcel, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cooling system. 2,424,416; July 22.

Pitrot, Adrian R.: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

Place, Charles I., New Milford, assignor to The Torrington Manufacturing Co., Torrington, Conn. Blower wheel bracing. 2,424,501; July 22.

Pollte, Jacob J., Youngstown, Ohio. Hair drier. 2,424,502; July 22.

Potter, Dwight J.: *See*—
Ross, John, and Potter.

Price, Robert W.: *See*—
Murcek, Slavo J., and Price.

Proctor Electric Company, assignee: *See*—
Myers, Joseph W.

Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,424,417; July 22.

Radio Corporation of America, assignee: *See*—
Carter, Philip S.
Hansell, Clarence W.
Haynes, Harold E.
Sands, William F.
Snyder, Richard L., Jr., and Rajchman.

Rajchman, Jan A.: *See*—
Snyder, Richard L., Jr., and Rajchman.

Read, William T., executor: *See*—
Hoeber, Harold.

Reger, Raymond, assignor to Pierce Governor Company, Anderson, Ind. Velocity governor. 2,424,503; July 22.

Rehm, Gustav A.: *See*—
Andrews, L. V., and Rehm.

Republic Steel Corporation, assignee; *See*—
Hyland, James L.

Riddington, Frederick W., Ontario, Calif., assignor to General Electric Company. Electric heater having thermostatic control and signal means. 2,424,504; July 22.

Riedler, Walter: *See*—
Mechur, Bert, and Riedler.

Riley Stoker Corporation, assignee: *See*—
Andrews, L. V., and Rehm.

Robbins, Benjamin C., Baltimore, Md. Burner cradle. 2,424,286; July 22.

Roberts, Glenn S., executor: *See*—
Swallow, William D.

Robertson, Elmer E., Harbor City, Calif. Furnace. 2,424,330; July 22.

Rory, Robert, East Greenwich, R. I. Metallizing machine. 2,424,418; July 22.

Rosa, Leonard J., Detroit, Mich. Accessory for fishing rods. 2,424,419; July 22.

Rose, Howard E., Normandy, assignor to Alco Valve Company, University City, Mo. Brake valve. 2,424,331; July 22.

Rose, Howard E., Peninsula, Ohio, assignor to Alco Valve Company, University City, Mo. Pump construction. 2,424,332; July 22.

Ross, John, Ramsey, and D. J. Potter, Allendale, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Solvent extraction of organic sulphonyl halides. 2,424,420; July 22.

Rundell, Raymond R., Miami, Fla. Swinging bracket. 2,424,369; July 22.

Rupersburg, Burghardt P., St. Clair Shores, assignor, by mesne assignments, to Syncro Devices, Inc., Detroit, Mich. Method of and apparatus for operating hot cathode lamps. 2,424,505; July 22.

St. Pierre, Eugene, Pawtucket, R. I., assignor to Hemphill Company. Suture. 2,424,516; July 22.

Sands, William F., West Collingswood, N. J., assignor to Radio Corporation of America. Permeability-tuned short-wave spread-band receiver. 2,424,506; July 22.

Santini, Danilo, Tenafly, and A. Nelson, Hillside, N. J., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic brake control system. 2,424,333; July 22.

Sawyer, John W., U. S. Navy. Device for determining compass errors. 2,424,254; July 22.

Scaife, Charles W.: *See*—
Smith, Arthur E. W., Scaife, and Stanley.

Schaelchlin, Walter, and K. Mahnke, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electric hoists. 2,424,255; July 22.

Scheidegger, Jakob: *See*—
Müller, Willy, and Scheidegger.

Schlumbohm, Peter, New York, N. Y. Refrigeration condenser-receiver. 2,424,287; July 22.

Schmidt, Willy A., and J. A. Sprung, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Color developers comprising arylsulfonhydrazides and developing with same. 2,424,256; July 22.

Schneider, William, and C. R. Marcum, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Baffle. 2,424,334; July 22.

Schulze, Joseph W., assignee: *See*—
Elsner, Edwin C.

Schwyn, Edward G., Bryan, Ohio. Wire wrench. 2,424,370; July 22.

Scott, Kenneth M., Thornaby on Tees, and O. Abisch, London, assignors to Head, Wrightson & Company Limited, Thornaby on Tees, England. Multistorey building construction. 2,424,371; July 22.

Scovill Manufacturing Company, assignee: *See*—
Collins, Edward T.
Wild, Henry W.

Scrymgeour, Harper D., Coronado, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Cowling for aircraft engines. 2,424,335; July 22.

Severson, Harry A., executor: *See*—
Colman, Howard D.

Severy, Victor H., Atlanta, Ga. Automatic steering apparatus. 2,424,288; July 22.

Shell Development Company, assignee: *See*—
Tonkin, Charles J.

Sherman, Forrest P., U. S. Navy. Telescopic dive bomb-sight. 2,424,257; July 22.

Shotey, William, Dearborn, Mich. Apparatus for dressing involute surfaces on grinding wheels. 2,424,507; July 22.

Sieron, August T., Chicago, Ill., assignor to General Chemical Company, New York, N. Y. Apparatus for vaporizing sulfur. 2,424,336; July 22.

Silex Company, The, assignee: *See*—
Brown, Leslie M.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Integrally mounted lister or bedder. 2,424,372; July 22.

Simmonds, Watson A., Chicago, Ill. Decalcomania assembly and making the same. 2,424,508; July 22.

Simpson, Herbert S., assignee: *See*—
Granath, Axel G., and Gruenfeld.

Singer, Henry, Honolulu, Hawaii. Rotary finger scrubbing machine. 2,424,509; July 22.

Sloan, Edward C.: *See*—
Mayer, Gottfried O., and Sloan.

Smith, Arthur E. W., C. W. Scaife, and R. H. Stanley, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of β-nitroethanol and β-nitroethyl nitrate. 2,424,510; July 22.

Smith, Hugh D., U. S. Army, Richmond, Va. Article-inverting apparatus. 2,424,258; July 22.

Smith, L. B., Incorporated, assignee: *See*—
Stranahan, Willard W.

Snook, Harry N.: *See*—
Hansen, Lloyd D., and Hegeman, and Snook.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reversible electric motor. 2,424,337; July 22.

Snyder, Richard L., Jr., and J. A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America. Calculating device. 2,424,289; July 22.

Society of Chemical Industry in Basle, assignee: *See*—
Müller, Willy, and Scheidegger.

Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Materials specimen marking device. 2,424,338; July 22.

South Bend Bait Company, assignee: *See*—
Beyer, Raymond H.

Sperry Gyroscope Company, Inc., assignee: *See*—
Woodyard, John R.

Sperry-Sun Well Surveying Company, assignee: *See*—
Kothny, Gottdank L.

Spiller, William R., and R. J. Niederhauser, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Optical device for establishing a working position. 2,424,373; July 22.

Sprung, Joseph A.: *See*—
Schmidt, Willy A., and Sprung.

Standard Oil Company, assignee: *See*—
Johnson, Everett A.
Loane, Clarence M., and Gaynor.

Stanley, Leopold G., Maplewood, N. J. Leather key case. 2,424,290; July 22.

Stanley, Robert H.: *See*—
Smith, Arthur E. W., Scaife, and Stanley.

Stanley, Robert M., Kenmore, and J. F. Strickler, Jr., Williamsville, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft flight instrument. 2,424,511; July 22.

Staub, Alfred: *See*—
Martin, Henry, Zaeslin, Hirt, and Staub.

Stauffer, Robert A., Cambridge, assignor to National Research Corporation, Boston, Mass. Production of alkali metals and their oxides. 2,424,512; July 22.

Stechbart, Bruno, Park Ridge, and P. C. Foote, assignors to The Bell & Howell Company, Chicago, Ill. Picture projecting apparatus and projection system therefor. 2,424,339; July 22.

Stephan, Ingo L., Delanco, N. J., assignor to Philco Corporation, Philadelphia, Pa. Adjustable mounting. 2,424,513; July 22.

Sterner, Bernard, Antwerp-Berchem, Belgium. Cylindrical combination lock. 2,424,514; July 22.

Sternfels, Martin M.: *See*—
Lowenheim, Frederick A., and Sternfels.

Sterrett, Charles C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Roll-away cover for generator auxiliaries. 2,424,340; July 22.

Stetson, John B., Company, assignee: *See*—
Wells, Burling D.

Stewart, Alexander, Mountain Lakes, N. J., A. R. Pitrot, Hempstead, and L. M. Kebrich, Brooklyn, assignors to National Lead Company, New York, N. Y. Complex lead phthalate-containing compositions and preparing same. 2,424,515; July 22.

Stoddart, Richard R., Los Angeles, Calif. Drive mechanism for ganged condensers and the like. 2,424,291; July 22.

Stranahan, Willard W., assignor to L. B. Smith, Incorporated, Camp Hill, Pa. Upward current hydraulic apparatus for separating materials of different specific gravities. 2,424,517; July 22.

Strickler, John F., Jr.: *See*—
Stanley, Robert M., and Strickler.

Stuart, Raymond H., Cleveland, Ohio, assignor to General Electric Company. Coil electrode. 2,424,518; July 22.

Swallow, William D., deceased, assignor of two-thirds to G. S. and H. E. Pelton, Los Angeles, Calif.; G. S. Roberts, executor. Apparatus for settling suspended solids from liquid mediums. 2,424,259; July 22.

Swinnerton's Limited Vulcan Pottery, assignee: *See*—
Bloore, Robert B.

Syncro Devices, Inc., assignee: *See*—
Rupertsburg, Burghardt P.

Taylor, James, Saltcoats, and H. R. Wright, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Explosive boosters. 2,424,374; July 22.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Nonnumerical rotary homing type switch. 2,424,519; July 22.

Teksun Inc., assignee: *See*—
Hoffer, Howard G.

Temme, William C., South Amboy, N. J. Insect trap. 2,424,421; July 22.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,424,260; July 22.

Texproof Limited, assignee: *See*—
Czeczowitzka, Rudolph H.

Textile Research Co., assignee: *See*—
Hoeber, Harold.

Thompson Grinder Company, The, assignee: *See*—
Wilson, John C.

Thompson Products, Inc., assignee: *See*—
Booth, James H.
Graham, Matthew P., and Booth.
Halstead, Mervil.

Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Tetrabutyryl ribonic acid. 2,424,341; July 22.

Titanium Alloy Manufacturing Company, The, assignee: *See*—
Walner, Eugene.

Titzell, Geo. G., Jr., assignee: *See*—
Nicol, John M.

Tonkin, Charles J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Soil improving method. 2,424,520; July 22.

Torrington Manufacturing Co., The, assignee: *See*—
Place, Charles I.

Toulmin, Harry A., Jr., assignor, by mesne assignments, to Chemical Developments Corporation, Dayton, Ohio. Apparatus for coating metals. 2,424,261; July 22.

Tresise, Raleigh E., Cleveland Heights, and P. D. Kendall, Maple Heights, assignors to Paraphone Hearing Aid, Inc., Cleveland, Ohio. Hearing aid apparatus. 2,424,422; July 22.

Trier, Carl L., and J. H. Livingston, III, Baltimore, Md., assignors to Cherry-Burrell Corporation, Wilmington, Del. Sterilizer for receptacle washers. 2,424,342; July 22.

Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Contact device for calling dials. 2,424,423; July 22.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Atkins, Carl E.

Udylite Corporation, The, assignee: *See*—
McCabe, Russell.

Ultrasonic Corporation, assignee: *See*—
Horsley, Caperton B.
Van Allen, William A.

Union Switch & Signal Company, The, assignee: *See*—
Kemmerer, Ralph R., and Jerome.

United Drill & Tool Corporation, assignee: *See*—
Kronwall, Konstantin.

Utsch, Albert, Normandy, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Airplane wing spar joint. 2,424,521; July 22.

Van Allen, William A., Cambridge, assignor to Ultrasonic Corporation, Boston, Mass. Modulator for sound waves. 2,424,375; July 22.

Van Sickle, Roswell C., Wilkinsburg, and R. E. Friedrich, and F. J. Fry, Pittsburgh, assignor to Westinghouse Electric Corporation East Pittsburgh, Pa. Circuit interrupter. 2,424,343; July 22.

Veinott, Cyril G., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-cooled rectifier. 2,424,344; July 22.

Visking Corporation, The, assignee: *See*—
Wilcoxon, Kenneth.

Vogt, Henry, Machine Co., assignee: *See*—
Edmonds, Eugene A.

Wagner Electric Corporation, assignee: *See*—
Dick, Burns.

Walner, Eugene, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Co-ordinated zirconyl and hafnyl compounds and their production. 2,424,262; July 22.

War, Government of the United States of America, as represented by the Secretary of, assignee: *See*—
Black, Eric A.

Wasserman, Rene D., New York, N. Y. Bonding adjacent ends of metallic tubing. 2,424,522; July 22.

Watkins, Harmon L., and B. M. Honeycutt, Shreveport, La. Endless pusher conveyer. 2,424,292; July 22.

Watrous, Ward W., Jr., Chatham, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermionic cathode construction. 2,424,293; July 22.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Aircraft operating mechanism. 2,424,523; July 22.

Weikel, Raymond C., assignor to Boeing Aircraft Company, Seattle, Wash. Adjustable length device. 2,424,376; July 22.

Weimer, William H., North Prairie, assignor to Davis & Thompson Company, West Allis, Wis. Boring machine. 2,424,524; July 22.

Wells, Burling D., Danbury, Conn., assignor, by mesne assignments, to John B. Stetson Company, Philadelphia, Pa. Hat blocking machine construction. 2,424,525; July 22.

Wesley, James P., Glendale, Calif. Spring-powered key action. 2,424,377; July 22.

West, Charles P., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear. 2,424,345; July 22.

Western Electric Company, Incorporated, assignee: *See*—
Haas, Walter O., Jr.
Hansen, Lloyd D., Hegeman, and Snook.

Westinghouse Air Brake Company, The, assignee: *See*—
McClure, Glenn T.

Westinghouse Electric Corporation, assignee: *See*—
Armstrong, George C.
Bailey, Francis T.
Baudry, Rene A., and Criner.
Denault, Clinton L.
Ellis, Delbert, and Alspach.
Frisch, Erling.
Hodnette, John K.
Jones, Robert L.
Jungk, Herbert G.
King, George E.
Murcek, Slavo J., and Price.
Newhouse, Simeon E., and Eunson.
Penney, Gaylord W.
Santini, Danilo, and Nelson.
Schaelchlin, Walter, and Mahnke.
Schneider, William, and Marcum.
Snyder, Frederick D.
Sterrett, Charles C.
Van Sickle, Roswell C., Friedrich, and Fry.
Veinott, Cyril G.
Watrous, Ward W., Jr.
West, Charles P.
White, John E.

Westinghouse Electric & Manufacturing Company, assignee: *See*—
Eigenberger, Elroy I.

White, John E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Graphite outgassing. 2,424,294; July 22.

White, William C., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,424,526; July 22.

Whyte, Alexander K., and W. J. Aldis, Toronto, Ontario, Canada, assignors to General Electric Company. Electric switch. 2,424,527; July 22.

Wiberg, Oscar A., Finspong, Sweden. Safety device for radial flow elastic fluid turbines. 2,424,378; July 22.

Wilcolator Company, The, assignee: *See*—
Graves, Theodore E.

Wilcoxon, Kenneth, assignor to The Visking Corporation, Chicago, Ill. Stripping casings from sausages. 2,424,346; July 22.

Wild, Henry W., assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric socket. 2,424,528; July 22.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Rotatable magnetic reproducing means. 2,424,295; July 22.

Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Machine tool for cutting surfaces of irregular shape. 2,424,347; July 22.

Wimmer, Lloyd C., Washington, Mo. Switching arrangement for electrical apparatus. 2,424,529; July 22.

Winthrop Chemical Company, Inc., assignee: *See*—
Lesuk, Alex.

Witschonke, Charles R.: *See*—
Kraus, Charles A., and Lehmann, Morris, and Witschonke.

Woodall Industries Incorporated, assignee: *See*—
Peltier, Walter J., and Diroff.

Woodruff, Howard C., New York, N. Y. Polyalcohols carrying ether linkages and preparing the same. 2,424,424; July 22.

Woodyard, John R., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Radio system for distance and velocity measurement. 2,424,263; July 22.

Wright, Harold R.: *See*—
Taylor, James, and Wright.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Heyer, Frederic K.
Quayle, George.

Yates, Jake, Paso Robles, Calif. Egg sheller. 2,424,425; July 22.

Yorks, Gerald A., Moline, Ill. Composite bolt structure for semiautomatic rifles. 2,424,264; July 22.

Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A.

Zaeslin, Hans H.: *See*—
Martin, Henry, Zaeslin, Hirt, and Staub.

Zahodiakin, Victor F., Short Hills, N. J. Machine for setting and ejecting preformed spiral studs. 2,424,296; July 22.

Zubler, Camp M., Drexel Hill, Pa. Throwout bearing. 2,424,530; July 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chains, Manufacture of ornamental. A. J. England. Re. 22,901; July 22.

LIST OF PLANT INVENTIONS

Dianthus caryophyllus plant. P. R. Hague. 747; July 22.
Pentstemon plant. C. P. Malmo. 744; July 22.
Rose plant. G. de Ruiter. 745–6; July 22.

LIST OF DESIGN INVENTIONS

Airplane. G. H. Altherr and N. E. Nelson. 147,171; July 22.
Brooch or similar article. A. Katz. 147,180–97; July 22.
Brooch or similar article. A. Philippe. 147,201–6; July 22.
Brooch or similar article, Separable. A. Katz. 147,179; July 22.
Cabinet, Combination radio and phonograph. M. J. Wachsman. 147,208; July 22.
Earring. A. Philippe. 147,199–200; July 22.
Fabric, Woven. A. N. Oppenheim. 147,198; July 22.
Faucet, Throttle type. E. S. Wells. 147,209; July 22.
Locomotive body. E. J. Harley and L. W. Metzger. 147,178; July 22.
Pipe, Smoking. A. A. Atchison. 147,172; July 22.
Power unit of an electric appliance or the like, Encased. H. S. Preble, Jr. 147,207; July 22.
Raincoat or similar article. A. Gruber. 147,173; July 22.
Shirt or similar article, Polo. E. Guttman. 147,174–7; July 22.
Toy or similar article, Child's animal. G. Winston. 147,210; July 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessory for fishing rods. L. J. Rosa. 2,424,419; July 22.
Acid, Tetrabutyryl ribonic. M. Tishler. 2,424,341; July 22.
Adding machine. G. Liljeström and O. Klingström. 2,424,359; July 22.
Adhesive tape dispenser. L. H. Morin. 2,424,488; July 22.
Adjustable mounting. I. L. Stephan. 2,424,513; July 22.
Aircraft cabin supercharger arrangement. C. W. Morris. 2,424,491; July 22.
Aircraft flight instrument. R. M. Stanley and J. F. Strickler. 2,424,511; July 22.
Aircraft operating mechanism. M. Watter. 2,424,523; July 22.
Airplane wing spar joint. A. Utsch. 2,424,521; July 22.
Air system for multiple tank fuel feed devices. H. E. Duffy. 2,424,440; July 22.
Alkali metals and their oxides, Production of. R. A. Stauffer. 2,424,512; July 22.
Ambulant soil treating apparatus. H. C. Hettelsater. 2,424,459; July 22.
Amplifier, Video and synchronizing signal combining. M. Cawein. 2,424,350; July 22.
Amusement device. W. C. Ford. 2,424,354; July 22.
Animal trap. G. G. Meyer. 2,424,362; July 22.
Antiseize composition. B. Costello. 2,424,224; July 22.
Antisnore device. W. J. Faires. 2,424,533; July 22.
Apparatus for chemical fractionation. C. A. Kraus, A. S. Lehmann, C. L. Morris, and C. R. Witschonke. 2,424,399; July 22.
Apparatus for coating metals. H. A. Toulmin, Jr. 2,424,261; July 22.
Apparatus for dressing involute surfaces on grinding wheels. W. Shotey. 2,424,507; July 22.
Apparatus for drying, heating, and/or cooling flowable solids. J. L. Erisman. 2,424,228; July 22.
Apparatus for lasting shoes. J. S. Kamborian. 2,424,240; July 22.
Apparatus for removing fines in bucket loaders. A. G. Granath and J. J. Gruenfeld. 2,424,272; July 22.
Apparatus for settling suspended solids from liquid mediums. W. D. Swallow. 2,424,259; July 22.
Apparatus for the fluid treatment of yarns and the like. A. Lodge. 2,424,403; July 22.
Apparatus for vaporizing sulfur. A. T. Sieron. 2,424,336; July 22.
Appliance for closing a switch for parallel connection of two networks or a network with incoming generator. A. Gantenbein and J. Jackie. 2,424,447; July 22.
Arc prevention for control systems. G. W. Penney. 2,424,329; July 22.
Armature and coil winding machine. H. B. Boyer. 2,424,301; July 22.
Article-inverting apparatus. H. D. Smith. 2,424,258; July 22.
Baffle. W. Schneider and C. R. Marcum. 2,424,334; July 22.
Bag: *See*—
Shopper's bag.
Bearing: *See*—
Throwout bearing.
β-nitroethanol and β-nitroethyl nitrate, Production of. A. E. W. Smith, C. W. Scaife, and R. H. Stanley. 2,424,510; July 22.
Blade, Cutting-off. J. M. Luers. 2,424,478; July 22.
Bolt structure for semiautomatic rifles, Composite. G. A. Yorks. 2,424,264; July 22.
Bombsight, Telescopic dive. F. P. Sherman. 2,424,257; July 22.
Boosters, Explosive. J. Taylor and H. R. Wright. 2,424,374; July 22.
Bore gauge. J. C. Nilsson. 2,424,497; July 22.
Boring machine. W. H. Weimer. 2,424,524; July 22.
Bottle dispensing apparatus. A. Carlson. 2,424,303; July 22.
Box dumping machine. D. S. Orlando. 2,424,252; July 22.
Bracket: *See*—
Swinging bracket.
Brake: *See*—
Motor plugging brake.
Brake control system, Electromagnetic. D. Santini and A. Nelson. 2,424,333; July 22.
Brake valve. H. E. Rose. 2,424,331; July 22.
Brassière. J. Glick. 2,424,453; July 22.
Buffer for longitudinally driven members. J. K. Morris. 2,424,492; July 22.
Building construction, Multistorey. K. M. Scott and O. Abisch. 2,424,371; July 22.
Buoyant cable. A. L. Duna. 2,424,388; July 22.
Burner cradle. B. C. Robbins. 2,424,286; July 22.
Cabinet: *See*—
Sheet metal storage cabinet.
Cable: *See*—
Buoyant cable.
Calculating device. R. L. Snyder, Jr., and J. A. Rajchman. 2,424,289; July 22.
Camera mounting. H. S. Pasturczak. 2,424,499; July 22.
Cap: *See*—
Uniform cap.
Cart for molded blocks, Hand. E. C. Eisner. 2,424,442; July 22.
Case: *See*—
Leather key case. Vanity case.
Casings from sausage, Stripping. K. Wilcoxon. 2,424,346; July 22.
Catalytic conversion and catalyst drying. E. A. Johnson. 2,424,467; July 22.
Cathode construction, Thermionic. W. W. Watrous, Jr. 2,424,293; July 22.
Chain: *See*—
Tire cross chain.
Chain. T. Kilbourn. 2,424,320; July 22.
Circuit for locking service observing teletypewriter during supervisory signal reception. T. A. Marshall. 2,424,244; July 22.
Circuit interrupter. R. C. Van Sickle, R. E. Friedrich, and F. J. Fry. 2,424,343; July 22.
Circuit protection, Reverse current. F. T. Bailey. 2,424,298; July 22.
Circuits in an automatically directed message telegraph system, Message intercepting and relaying. H. D. Colman. 2,424,223; July 22.
Cleaner: *See*—
Suction cleaner.
Closure for high-pressure vessels. F. Gasche. 2,424,449; July 22.
Closure for nonrefillable containers. A. R. González. 2,424,356; July 22.
Clutch: *See*—
Engine starter clutch.
Coiling means for making elastic coil structures. R. J. Arnold. 2,424,426; July 22.
Color developers comprising arylsulfonhydrazides and developing with same. W. A. Schmidt and J. A. Sprung. 2,424,256; July 22.
Combination lock. F. K. Heyer. 2,424,396; July 22.
Compositions for built-up roofing. H. W. Greider and G. A. Fasold. 2,424,284; July 22.
Condenser-receiver, Refrigeration. P. Schlumbohm. 2,424,287; July 22.
Contact device for calling dials. O. Tschümi. 2,424,423; July 22.
Contacting apparatus. F. L. Melvill. 2,424,248; July 22.
Contactor. D. Ellis and J. H. Alspach. 2,424,308; July 22.
Control for grinder machines, Reel drive. L. Illmer. 2,424,465; July 22.
Control mechanism for camera motors. C. V. Johnson and W. G. Herbstreit. 2,424,276; July 22.
Control system. L. L. Cunningham. 2,424,304; July 22.
Control system. E. T. Davis. 2,424,305; July 22.
Control system, Closure operator. J. F. Cook. 2,424,385; July 22.
Control system for electric hoists. W. Schaelchlin and K. Mahnke. 2,424,255; July 22.
Control system for hydraulic circuits. W. Becker. 2,424,300; July 22.
Control system for radio receivers. C. E. Atkins. 2,424,216; July 22.
Conveyer, Endless pusher. H. L. Watkins and B. M. Honeycutt. 2,424,292; July 22.
Conveyer, Shaker. L. D. Hagenbook. 2,424,394; July 22.
Cooker and control therefor, Pressure. T. E. Graves. 2,424,393; July 22.
Cooking apparatus, Electrical surface. J. W. Myers. 2,424,412; July 22.
Cooling system, Engine. M. Piry. 2,424,416; July 22.
Coupling: *See*—
Pipe coupling.
Cover for generator auxiliaries, Rollaway. C. C. Sterrett. 2,424,340; July 22.
Cowling for aircraft engines. H. D. Scrymgeour. 2,424,335; July 22.

Crystal growing apparatus. W. O. Haas, Jr. 2,424,273; July 22.
Current hydraulic apparatus for separating materials of different specific gravities, Upward. W. W. Stranahan. 2,424,517; July 22.
Cylindrical combination lock. B. Sterner. 2,424,514; July 22.
Decalcomania assembly and making the same. W. A. Simmons. 2,424,508; July 22.
Demountable wheel. B. C. Monroe. 2,424,487; July 22.
Device and method of securing corrugated sheets. W. S. Miles. 2,424,410; July 22.
Device for determining compass errors. J. W. Sawyer. 2,424,264; July 22.
Device for use in the manufacture of synthetic threads. W. V. Henry. 2,424,490; July 22.
Discharge device, Electric. W. C. White. 2,424,526; July 22.
Dispenser: *See*—
Adhesive tape dispenser.
Pressure-sensitive adhesive tape dispenser.
Door locking and closing device. W. A. Beauchamp. 2,424,381; July 22.
Drier: *See*—
Hair drier.
Drills, Method and apparatus for point-grinding. K. Kronwall. 2,424,470; July 22.
Drive mechanism for ganged condensers and the like. R. R. Stoddart. 2,424,291; July 22.
Driving connection, Eccentric. C. L. Beard. 2,424,532; July 22.
Drum concentrator, Reciprocating and rotating. J. M. Nicol. 2,424,367; July 22.
Dryer: *See*—
Hair drier.
Drying, heating, and/or cooling flowable solids. J. L. Erisman. 2,424,229; July 22.
Dye intermediates, dyes, and their preparation, Cyanine. E. B. Middleton and G. A. Dawson. 2,424,483; July 22.
Dyes containing polybasic acid esters of alkylene sulfones, Pyrazolone monoazo. W. Müller and J. Scheidegger. 2,424,493; July 22.
Dynamoelectric machine. B. C. Evans. 2,424,443; July 22.
Dynamoelectric machine. R. L. Jones. 2,424,317; July 22.
Electric switch. A. K. Whyte and W. J. Aldis. 2,424,527; July 22.
Electrical regulator. C. C. Honeywell. 2,424,464; July 22.
Electrical system. C. T. McCoy. 2,424,481; July 22.
Electrical testing apparatus. L. D. Hansen, A. S. Hegeman, Jr., and H. N. Snook. 2,424,275; July 22.
Electrode, Coil. R. H. Stuart. 2,424,518; July 22.
Emulsions for painting and varnishing purposes. G. B. Heijmer. 2,424,458; July 22.
Ends of metallic tubing, Bonding adjacent. R. D. Wasserman. 2,424,522; July 22.
Engine starter clutch. R. M. Nardone. 2,424,494; July 22.
Entry retaining device for totalizers. H. P. Luhn. 2,424,322; July 22.
Equalized single-phase traction motor. H. G. Jungk. 2,424,318; July 22.
Erecting system for telescopic instruments, Body and modified first porro type. J. R. Miles. 2,424,282; July 22.
Esters of 7,8-diamino nonoic acid. S. A. Harris. 2,424,311; July 22.
Eye-testing apparatus for indicating pupillary diameters. N. Miller. 2,424,363; July 22.
Fabric tube. C. S. Hyatt and H. H. Brooks. 2,424,315; July 22.
Fastener: *See*—
Window guard fastener.
Ferrule for vertical tube heat exchangers, Water distributing. E. Edmonds. 2,424,441; July 22.
Fire escape. J. Needre. 2,424,365; July 22.
Fishing rod. R. H. Beyer. 2,424,430; July 22.
Fixation of finely divided substances. H. C. Olpin, S. A. Gibson, and W. C. McKnight. 2,424,284; July 22.
Fluid pressure brake apparatus. G. T. McClure. 2,424,480; July 22.
Fluid storage apparatus. W. G. Laird. 2,424,471; July 22.
Folding music stand. M. H. Davis. 2,424,387; July 22.
Food package, Composite. G. O. Mayer and E. C. Sloan. 2,424,536; July 22.
Frequency changer. H. M. Huge. 2,424,236; July 22.
Frequency converter. G. M. Giannini. 2,424,451; July 22.
Frequency multiplier. H. M. Huge. 2,424,237; July 22.
Frequency resonator and circuits therefor, High. P. S. Carter. 2,424,267; July 22.
Froth flotation of sulfide ores with phosphorous-sulfide-olefin reaction product. C. M. Loane and J. W. Gaynor. 2,424,402; July 22.
Furnace. E. E. Robertson. 2,424,330; July 22.
Gage: *See*—
Bore gauge.
Garment hanger. C. Lurtz. 2,424,280; July 22.
Garment, Supporter. R. M. Hoey. 2,424,462; July 22.
Garter, Self-adjusting. N. Morton. 2,424,251; July 22.
Gaseous electric discharge lamp. H. Haynes and L. S. Ickis, Jr. 2,424,457; July 22.
Gauge: *See*—
Bore gauge.
Gauge for green corn cutter. C. E. Kerr. 2,424,241; July 22.
Gear: *See*—
Landing gear.
Gear grinding machine. C. T. Galloway. 2,424,271; July 22.
Gel manufacturing apparatus. W. H. Gabeler. 2,424,232; July 22.
Generator: *See*—
Infrared generator. Unidirectional voltage generator.
Radiant steam generator. erator.
Generator. R. A. Baudry and H. E. Criner. 2,424,299; July 22.
Glass film on metal, Forming. S. F. Essig. 2,424,353; July 22.
Governor, Velocity. R. Reger. 2,424,503; July 22.
Graphite outgassing. J. E. White. 2,424,294; July 22.
Grinding machine. R. D. Gardner and J. Bohm. 2,424,448; July 22.
Hair drier. J. J. Polite. 2,424,502; July 22.
Hairspring to an arbor, Securing a. C. C. Fawcett. 2,424,230; July 22.
Halogen substituted aminoarylsulphonic acid derivatives, Preparation of. H. Martin, H. H. Zaeslin, R. Hirt, and A. Staub. 2,424,477; July 22.
Hanger: *See*—
Garment hanger.
Journal box bucket hanger.
Hat blocking machine structure. B. D. Wells. 2,424,525; July 22.
Hat protector. S. P. Oppenheimer. 2,424,414; July 22.
Hearing aid apparatus. R. E. Tresise and P. D. Kendall. 2,424,422; July 22.
Hearing aid equipment for confessionals. N. V. Casson. 2,424,348; July 22.
Heat exchanger. J. W. Brown, Jr. 2,424,221; July 22.
Heat guard, Welder's. W. R. Dent. 2,424,437; July 22.
Heat insulated receptacle. W. H. Bucknell. 2,424,434; July 22.
Heater having thermostatic control and signal means, Electric. F. W. Riddington. 2,424,504; July 22.
Holder: *See*—
Type holder.
Hood for the cockpits for aeroplanes. J. Martin. 2,424,245; July 22.
Hormone preparation and making the same, Circulatory. A. Lesuk. 2,424,401; July 22.
Hot metal mixer. J. L. Hyland. 2,424,535; July 22.
Humidifier. W. R. P. Delano. 2,424,268; July 22.
Hydraulic drive. E. F. Comstock. 2,424,384; July 22.
Impulse repeating system, Voice frequency and direct current. C. Gillings and C. E. Beale. 2,424,452; July 22.
Infrared generator. N. T. Gordon. 2,424,454; July 22.
Injection mold. H. G. Hoffer. 2,424,235; July 22.
Innersole and making the same. F. L. Ayers. 2,424,428; July 22.
Insect trap. W. C. Temme. 2,424,421; July 22.
Insecticide containing an amyl amide of 3,6-endomethylene 4-cyclohexene-1,4-dicarboxylic acid. E. W. Bousquet. 2,424,220; July 22.
Jig bushing, Adjustable. H. A. Miller. 2,424,485; July 22.
Joint: *See*—
Airplane wing spar joint.
Joint. J. H. Booth. 2,424,431; July 22.
Joint. M. P. Graham and J. H. Booth. 2,424,455; July 22.
Joint for control transmissions, Ball-and-socket. M. J. Meyer. 2,424,409; July 22.
Journal box bucket hanger. J. H. Myers. 2,424,364; July 22.
Key action, Spring-powered. J. P. Wesley. 2,424,377; July 22.
Lamp: *See*—
Gaseous electric discharge
Lamp or the like, Electric. J. W. Fulton and A. G. Foote. 2,424,446; July 22.
Lamps, Method of and apparatus for operating hot cathode. B. P. Rupersburg. 2,424,505; July 22.
Landing gear. R. E. Greenough. 2,424,233; July 22.
Leash, Retractible. G. S. and T. J. Oberdorf. 2,424,368; July 22.
Leather key case. L. G. Stanley. 2,424,290; July 22.
Leg structure for tables and the like, Foldable. C. C. Brown. 2,424,266; July 22.
Length device, Adjustable. R. C. Weikel. 2,424,376; July 22.
Lifting mechanism for looms, Warp beam. C. R. Kronoff. 2,424,400; July 22.

Link, Protective. J. K. Hodnette. 2,424,314; July 22.
Lister or bedder, Integrally mounted. W. H. Silver. 2,424,372; July 22.
Lock: *See*—
Combination lock. Reversible door lock.
Cylindrical combination lock.
Locking device. P. E. Bamberg. 2,424,429; July 22.
Lug, Picker stick strap. A. N. Ayers and L. E. Hamilton. 2,424,427; July 22.
Machine for coating and opening flexible tubing. J. Frier. 2,424,445; July 22.
Machine for lasting welt-type shoes. J. S. Kamborian. 2,424,239; July 22.
Machine for setting and ejecting preformed spiral studs. V. F. Zahodiakin. 2,424,296; July 22.
Machine tool for cutting surfaces of irregular shape. J. C. Wilson. 2,424,347; July 22.
Magnetic recording-reproducing means and system. S. J. Begun. 2,424,218; July 22.
Magnetic recording system, Continuous. H. Nygaard. 2,424,498; July 22.
Magnetic reproducing means, Rotatable. A. L. W. Williams. 2,424,295; July 22.
Magnetron of the resonator type, Tunable. R. B. Nelson. 2,424,496; July 22.
Manganese compounds, Electrolytic production of. U. Gottesmann and H. Lowenstein. 2,424,392; July 22.
Marker, Hydrant. W. J. Doody. 2,424,269; July 22.
Materials specimen marking device. A. Sonntag. 2,424,338; July 22.
Metallizing machine. R. Rory. 2,424,418; July 22.
Mill: *See*—
Two stage hammer mill.
Mixer: *See*—
Hot metal mixer.
Modulating the frequency of sound waves, Method of and apparatus for. C. B. Horsley. 2,424,357; July 22.
Modulator for sound waves. W. A. Van Allen. 2,424,375; July 22.
Moistening device for duplicating machines. F. R. Ford. 2,424,534; July 22.
Mold: *See*—
Injection mold.
Motor: *See*—
Equalized single-phase traction motor. Reversible electric motor.
Motor control system, Doubly-fed repulsion. S. E. Newhouse and W. H. Eunson. 2,424,326; July 22.
Motor control system, Synchronous. E. I. Elgenberger. 2,424,227; July 22.
Motor plugging brake. C. L. Denault. 2,424,306; July 22.
Mould: *See*—
Injection mold.
Mounting: *See*—
Adjustable mounting. Pump mounting.
Camera mounting. Rear-vision mirror mounting.
Propeller mounting.
Noise limiter and automatic volume control for television receivers. M. Cawein. 2,424,349; July 22.
Nonnumerical rotary homing type switch. R. Taylor and G. T. Baker. 2,424,519; July 22.
Nut, Thread lock. A. J. Krause. 2,424,242; July 22.
Optical device for establishing a working position. W. R. Spiller and R. J. Niederhauser. 2,424,373; July 22.
Optical system for telescopes and binoculars. J. R. Miles. 2,424,283; July 22.
Oscillator, Frequency-modulated crystal. W. P. Mason. 2,424,246; July 22.
Packaging, Method and apparatus for tight-wrap. D. E. Marshall and F. R. Clark. 2,424,406; July 22.
Pad and making the same, Shoulder. B. Mechur and W. Riedler. 2,424,482; July 22.
Parachute release. F. C. Anderson. 2,424,215; July 22.
Peanut protein, Preparation of. S. N. McGeoch. 2,424,408; July 22.
Pedestal safety tie means. K. F. Nystrom and V. L. Green. 2,424,327; July 22.
Permeability-tuned short-wave spread-band receiver. W. F. Sands. 2,424,506; July 22.
Phenol-formaldehyde-protein plastic materials for extrusion or injection. F. E. Calvert. 2,424,383; July 22.
Phthalate-containing compositions and preparing same, Complex lead. A. Stewart, A. R. Pitrot, and L. M. Kebrich. 2,424,515; July 22.
Picture projecting apparatus and projection system therefor. B. Stechbart and P. C. Foote. 2,424,339; July 22.
Pin: *See*—
Temporary holding pin.
Pipe coupling. W. D. Crater. 2,424,436; July 22.
Plug: *See*—
Stage plug.
Polyalcohols carrying ether linkages and preparing the same. H. C. Woodruff. 2,424,424; July 22.
Post, Spring binding. B. Fox. 2,424,444; July 22.
Power take-off, Automotive. D. B. Martin. 2,424,360; July 22.
Pressure-sensitive adhesive tape dispenser. W. H. Miller. 2,424,486; July 22.
Propeller mounting. M. Hallead. 2,424,456; July 22.
Propulsion system, Electric. E. Frisch. 2,424,310; July 22.
Protector: *See*—
Hat protector.
Pulse receiving system. C. W. Hansell. 2,424,274; July 22.
Pump: *See*—
Rotary roller pump.
Pump and pump system. J. E. Piccardo and J. E. Armstrong. 2,424,285; July 22.
Pump construction. H. E. Rose. 2,424,332; July 22.
Pump mounting. A. C. Korte. 2,424,469; July 22.
Punch. P. MacGregor. 2,424,474; July 22.
Rack: *See*—
Store service rack.
Radiant steam generator. L. J. Marshall. 2,424,476; July 22.
Radio system for distance and velocity measurement. J. R. Woodyard. 2,424,263; July 22.
Railway track insulation break-down signaling system. R. R. Kemmerer and A. L. Jerome. 2,424,319; July 22.
Rear-vision mirror mounting. T. J. Brown and E. B. Bush. 2,424,222; July 22.
Receptacle: *See*—
Heat insulated receptacle.
Rectifier, Self-cooled. C. G. Veinott. 2,424,344; July 22.
Reel: *See*—
Thread advancing reel.
Reel construction. B. G. Nelson. 2,424,413; July 22.
Reflector. H. W. Alexander and A. Comper. 2,424,531; July 22.
Regulator: *See*—
Electrical regulator. Thermostatic regulator.
Relay allotter for finder switches. J. W. McClew and O. A. Pearce. 2,424,281; July 22.
Relay, Overload. G. C. Armstrong. 2,424,297; July 22.
Remote control system. P. D. Lowell. 2,424,243; July 22.
Resonant frequency of series resonant electrical network, Determining the. J. M. Miller. 2,424,249; July 22.
Retainer for stud assembly. R. W. Allen. 2,424,265; July 22.
Reversible door lock. O. Ghia. 2,424,450; July 22.
Reversible electric motor. F. D. Snyder. 2,424,337; July 22.
Rod: *See*—
Fishing rod.
Rod for looms, Adjustable protection. H. Hoeber. 2,424,461; July 22.
Roller paint-coating device. J. H. Millholland. 2,424,323; July 22.
Rotary pay-off. R. S. Dunbar. 2,424,307; July 22.
Rotary roller pump. R. E. E. Jessop. 2,424,466; July 22.
Rotor construction, Intercepting. H. C. Hettelsater. 2,424,460; July 22.
Safety device for radial flow elastic fluid turbines. O. A. Wiberg. 2,424,378; July 22.
Safety razor. N. Testi. 2,424,260; July 22.
Salts, Soluble amidine. G. Newbery and A. P. T. Easson. 2,424,325; July 22.
Scabbard. K. J. Brickey. 2,424,302; July 22.
Screen. E. A. Black. 2,424,219; July 22.
Scrubbing machine, Rotary finger. H. Singer. 2,424,509; July 22.
Seal construction. B. Dick. 2,424,225; July 22.
Set, Tool and handle. F. A. Lucia. 2,424,404; July 22.
Sheet metal storage cabinet. J. E. Bales. 2,424,217; July 22.
Sheller, Egg. J. Yates. 2,424,425; July 22.
Shield for shampooing, Face protector. F. J. Conjurske. 2,424,352; July 22.
Shopper's bag. C. H. Klein. 2,424,277; July 22.
Shutter, Focal-plane. I. W. Doyle and C. V. Johnson. 2,424,439; July 22.
Silver halide emulsions sensitized with cyan-dyes containing a benzothiophenothiazole nucleus. E. B. Middleton and G. A. Dawson. 2,424,484; July 22.
Skirt. S. D. Koret. 2,424,398; July 22.
Socket, Electric. E. T. Collins. 2,424,435; July 22.
Socket, Electric. H. W. Wild. 2,424,528; July 22.
Sockets for artificial limbs, Forming. P. W. Kunkel. 2,424,278; July 22.
Soil improving method. C. J. Tonkin. 2,424,520; July 22.
Sole for shoes and rubber footwear, Multiple antiskid ribbed suction. E. C. Hogg. 2,424,463; July 22.
Sole, Nonslipping rubber. E. Dufour. 2,424,226; July 22.
Sole roughing machine. A. Perri. 2,424,415; July 22.
Spooling mechanism for cable winches. E. Barker. 2,424,380; July 22.
Spraying machine. E. O. Keathley. 2,424,468; July 22.
Spreader tool. M. Mayer. 2,424,407; July 22.
Spring assembly for automatic push rods, Torsion. H. H. Engemann. 2,424,389; July 22.
Spring filling for mattresses, sofas, seats, cushions, or the like. H. Buttner. 2,424,382; July 22.
Stage plug. J. H. Lytgens. 2,424,405; July 22.
Stand: *See*—
Folding music stand.
Starter and lock for fire escape panels. J. Needre. 2,424,366; July 22.
Steam purifying apparatus. L. V. Andrews and G. A. Rehm. 2,424,212; July 22.
Steering apparatus, Automatic. V. H. Severy. 2,424,288; July 22.

Sterilizer for receptacle washers. C. L. Trier and J. H. Livingston. 2,424,342; July 22.
Store service rack. S. N. Goldman. 2,424,355; July 22.
Stove comprising relatively rotatable annular walls, Drying. R. B. Bloore. 2,424,213; July 22.
Suction cleaner. F. L. Pierce. 2,424,253; July 22.
Sulphonyl halides, Solvent extraction of organic. J. Ross and D. J. Potter. 2,424,420; July 22.
Sulphur, Vaporizing. J. W. Neelley. 2,424,495; July 22.
Support for sun visors. W. J. Peltier and A. J. Diroff. 2,424,500; July 22.
Suture. R. St. Pierre. 2,424,516; July 22.
Swinging bracket. R. R. Rundell. 2,424,369; July 22.
Switch: *See*—
Electric switch.
Nonnumerical rotary homing type switch.
Switch. R. G. Ferris. 2,424,390; July 22.
Switchgear. C. P. West. 2,424,345; July 22.
Switching arrangement for electrical apparatus. L. C. Wimmer. 2,424,529; July 22.
System for electric blankets, Protective. J. W. Downie. 2,424,438; July 22.
System for reducing direct-current fault currents. G. E. Frost. 2,424,231; July 22.
Tape, Production of narrow curvilinear nonelastic. J. V. Moore. 2,424,411; July 22.
Temporary holding pin. C. Elvy. 2,424,309; July 22.
Textile fabric with polyvinyl resin, Coating. R. H. Czeczowitzka. 2,424,386; July 22.
Thermostatic control. L. M. Brown. 2,424,433; July 22.
Thermostatic regulator. N. Morris. 2,424,250; July 22.
Thread advancing reel. A. J. L. Moritz. 2,424,480; July 22.
Thread severing mechanism for sewing machines. J. Galkin. 2,424,391; July 22.
Throwout bearing. C. M. Zubler. 2,424,530; July 22.
Timing control scaring apparatus, Automatic. G. C. Ehemann, Jr., and P. H. Fickenscher. 2,424,270; July 22.
Tin plating from potassium stannate baths. F. A. Lowenheim and M. M. Sternfels. 2,424,472; July 22.
Tire cross chain. R. C. Mason. 2,424,478; July 22.
Tool: *See*—
Spreader tool.
Tool head. R. McCabe. 2,424,479; July 22.
Torque control for paired electric motors. G. E. King. 2,424,321; July 22.
Transformer, Adjustable. J. A. Anderson. 2,424,379; July 22.
Transmission line with active networks. K. S. Johnson. 2,424,238; July 22.
Transportation load and preparing the same. D. F. Hedges. 2,424,395; July 22.
Trap: *See*—
Animal trap. Insect trap.
Tray. E. K. Madan. 2,424,475; July 22.
Trigger pull for small arms. J. F. McCaslin. 2,424,247; July 22.
Truck, Lift. G. Quayle. 2,424,417; July 22.
Two stage hammer mill. H. M. Johnston. 2,424,316; July 22.
Tube: *See*—
Fabric tube.
Type holder. W. R. King. 2,424,397; July 22.
Unidirectional voltage generator. J. A. Buckbee. 2,424,214; July 22.
Uniform Cap. H. and I. Libshuts. 2,424,279; July 22.
Valve: *See*—
Brake valve.
Valve. F. L. Pars. 2,424,328; July 22.
Vanity case. R. Bower. 2,424,432; July 22.
Vise, Quick locking. R. O. Heinrich. 2,424,313; July 22.
Voltage measuring device, Average value. H. E. Haynes. 2,424,312; July 22.
Welder, Arc. S. J. Murcek and R. W. Price. 2,424,324; July 22.
Well surveying device. G. L. Kothny. 2,424,358; July 22.
Wheel: *See*—
Demountable wheel.
Wheel bracing, Blower. C. I. Place. 2,424,501; July 22.
Window guard fastener. D. McDonald. 2,424,361; July 22.
Wire wrench. E. G. Schwyn. 2,424,370; July 22.
Wrench: *See*—
Wire wrench.
Zinc ores with HCl, Treatment of marmatitic. N. C. Christensen. 2,424,351; July 22.
Zirconyl and hafnyl compounds and their production, Coordinated. E. Wainer. 2,424,262; July 22.

CLASSIFICATION OF PATENTS

ISSUED JULY 22, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Des. 147,206
D56— 4: Des. 147,208
D66— 1: Des. 147,178
D71— 1: Des. 147,171
D85— 8: Des. 147,172
D91— 3: Des. 147,209
D92— 1: Des. 147,198

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Trade-Marks	150	No. 431,556 to No.	431,705, inclusive
T. M. Renewals	44		
Reissues	1	No. 22,902	
Plant Patents	3	No. 748 to No.	750, inclusive
Patents	421	No. 2,424,537 to No.	2,424,957, inclusive
Designs	14	No. 147,211 to No.	147,224, inclusive
Total	633		

Patents expiring: Patent Numbers 1,771,389 to 1,771,984, inclusive, issued July 29, 1930, expire July 29, 1947

Condition of Applications Under Examination at Close of Business July 11, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 148,285; Trade-Mark Division, 13,218. Oldest new case, September 10, 1945; oldest amended, September 5, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 24	Jan. 11	3,006
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 8	3,569
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Apr. 3	Mar. 11	1,680
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Feb. 23	Jan. 18	3,174
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sep. 10	*Sep. 5	3,777
6. SURLE, H., Carbon Chemistry (part)	July 1	July 12	2,044
7. HANLIN, GEORGE, Optics, Photography	July 22	July 19	2,020
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 21	Feb. 25	3,965
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 14	*Dec. 8	2,133
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Mar. 8	Mar. 1	1,301
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Sep. 30	Sep. 26	845
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Feb. 26	Feb. 19	2,717
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 1	*Oct. 23	2,311
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 20	May 17	1,324
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 15	*Oct. 2	2,018
16. LOVEWELL, N. N., Telegraphy; Telephony	May 20	May 17	1,378
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 9	Feb. 2	1,434
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Nov. 9	*Nov. 1	1,625
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 13	1,742
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	*Dec. 12	*Dec. 22	2,294
21. THOMPSON, T. J., Textiles	Sep. 11	Sep. 26	889
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Jan. 18	*Dec. 29	1,880
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Oct. 11	1,117
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 13	Nov. 4	1,704
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 25	Feb. 5	1,775
26. YOUNG, R. R., Electricity—Generation and Motive Power	Jan. 15	Jan. 12	2,210
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 13	Feb. 23	2,600
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Feb. 5	Jan. 9	1,354
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 6	Mar. 2	2,731
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 13	Feb. 28	2,676
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Aug. 8	Aug. 5	1,095
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Jan. 25	Jan. 29	2,548
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 16	*Nov. 19	3,359
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 7	Jan. 25	1,419
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Mar. 22	2,449
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 30	*Dec. 17	1,915
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 21	Mar. 29	1,602
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions; Rubber; Ornamentation	May 17	June 25	1,341
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 11	*Oct. 10	2,697
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Mar. 12	2,868
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	734
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Aug. 10	Aug. 26	1,081
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 16	Aug. 12	1,016
44. HARVEY, L. P., Refrigeration; Preserving	*Dec. 21	*Oct. 19	1,394
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 29	*Dec. 28	2,460
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Feb. 28	Mar. 18	1,898
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 1	Apr. 6	3,063
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Nov. 26	*Nov. 27	1,818
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 6	Mar. 25	1,546
50. LEVIN, SAMUEL, Synthetic Resins	May 18	May 18	2,625
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 20	Feb. 20	2,042
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Mar. 11	Apr. 3	3,534
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	*Dec. 28	Jan. 5	4,041
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Apr. 6	Mar. 28	2,126
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	*Dec. 1	*Dec. 12	2,047
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making: Acetylene: Gas Mixing	July 1	July 3	1,311
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Dec. 5	Jan. 5	3,285
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 2	May 17	1,277
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Nov. 23	*Nov. 5	2,148
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Dec. 8	May 13	2,042
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 21	2,905
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Dec. 13	Jan. 2	1,943
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Mar. 16	Jan. 26	2,198
64. NASH, F. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Sep. 28	Sep. 27	1,707
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Nov. 14	*Nov. 21	2,224
66. LISANN, I., Geometrical Instruments	*Oct. 1	*Oct. 2	2,248
Trade-Marks: MERCHANT, J. H	Oct. 2	Nov. 25	13,218
Designs: BREHM, G. L., (Acting)	Mar. 27	†Jan. 4	9,086

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

CHATHAM PHARMACEUTICALS INC.

v.

RESERVE RESEARCH CO.

No. 5,260. Decided February 11, 1947

[159 F.(2d) 869; 72 USPQ 507]

TRADE-MARKS—OPPOSITION—GOODS OF THE SAME DESCRIPTIVE PROPERTIES.

Where it appears from the record that the goods of each of the parties is used medicinally for the same purpose and each is composed essentially of the same substance; that, though not stated in the agreed statement of facts, it is obvious that they are sold competitively by drug stores to the purchasing public, *Held* that, though not identical, the goods of the parties are of the same descriptive properties.

SAME—SAME—CONFUSING SIMILARITY.

Appellant's mark "Aluminoid" and opposer's mark "Aloloid," considered as a whole, used upon goods of the same descriptive properties, Held confusingly similar. (Distinguishing *Ciba Pharmaceutical Products Inc.* v. *Abbott Laboratories* 28 C. C. P. A. 1315; 121 Fed.(2d) 551; 50 USPQ 139.

APPEAL from the Patent Office. Affirmed.

Harry B. Rook and *Lee L. Townshend* for Chatham Pharmaceuticals Inc.

John F. Robb and *Harry C. Robb* (*John W. Robb* of counsel) for Reserve Research Co.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents, 65 USPQ 437, affirming the decision of the Examiner of Interferences sustaining appellee's opposition to the registration of appellant's mark under section 5 of the Trade-Mark Act of February 20, 1905.

Appellant's trade-mark comprises the terms "ALUMINOID" and "COLLOIDAL ALUMINA," the term "COLLOIDAL ALUMINA" being disclaimed apart from the mark as shown.

There are other features in appellant's mark which need not be described here because the dominant feature of appellant's mark is the term "ALUMINOID."

Appellant's mark has been used in interstate commerce since May 14, 1940, on "colloidal aluminum hydroxide in powder form" and is sold in gelatin capsules for the treatment of gastric ulcers and hyperacidity.

Appellee's mark consists of the term "ALOLOID" which was registered August 19, 1941, No. 389,778, upon an application filed April 5, 1941.

Appellee's product is a medicinal preparation and comprises an emulsion of aluminum hydroxide with mineral oil and is used for the treatment of gastric hyperacidity and peptic ulcers.

The evidence in the case was stipulated by the parties. It appears therefrom that appellee commenced the use of its trade-mark on its product on January 2, 1940, and it is conceded by counsel for appellant that appellee was the first to use its mark on its goods.

It appears from the record that the goods of each of the parties is used medicinally for the same purpose and each is composed essentially of aluminum hydroxide. The only difference between the goods of the respective parties is that appellant's is in the form of a powder and is sold in capsules, whereas appellee's goods is an emulsion composed of mineral oil and aluminum hydroxide.

Although it is not stated in the agreed statement of facts that the goods of the parties are sold by drug stores to the purchasing public, it is obvious that they are. That they are competitive products and sold for treatment of the same ailments is not disputed. Although not identical, the goods of the parties are of the same descriptive properties and the sole question in the case is whether the trade-mark of appellant—ALUMINOID—is confusingly similar to appellee's trade-mark—ALOLOID.

The tribunals of the Patent Office concurred in holding that the marks were confusingly similar and, therefore, appellant was not entitled to the registration of its mark.

It is contended here by counsel for appellant that appellant's trade-mark ALUMINOID is "substantially different in sound, appearance and significance" from the trade-mark of appellee and that as the goods are not identical—appellant's being put up in capsules in the form of powder, whereas appellee's is in the form of an emulsion—it is unlikely that the concurrent use by the parties of their trademarks on their goods would result in confusion in trade.

Several cases are cited by counsel for appellant which, it is alleged, support their theory that there is no likelihood of confusion in the concurrent use

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of the involved trade-marks. The case most strongly relied upon by counsel for appellant is that of *Ciba Pharmaceutical Products, Inc.* v. *Abbott Laboratories*, 28 C. C. P. A. (Patents) 1315, 121 F.(2d) 551, 50 USPQ 139, in which it was held that the trade-marks "Dical-D," the final letter "D" being disclaimed apart from the mark as shown, used on "medicinal wafers containing dicalcium phosphate and viosteral," recommended and used for dietary deficiencies, was not confusingly similar with the trade-marks "Dial-Ciba" and "Dial" used on a pharmaceutical product—a dormitive and a sedative. Counsel for appellant particularly emphasizes a statement in that decision where it was said:

> It is clear that there is a per se difference between the goods of the respective parties as to their inherent characteristics and, of course, as to their uses. We regard both as being medicinal in character, but the product of appellants, in its essential substance, differs from the product of appellee in its essential substance, and the difference in use is obvious. The fact that both are medicinal in character and have a therapeutic effect upon users, of necessity makes carefulness in selection imperative on the part of prudent purchasers.

The court in that case also observed that there was considerable difference in the marks of the parties. For the reasons stated, the court was of opinion that the marks there involved were not confusingly similar and affirmed the decision of the Commissioner of Patents.

The difference between that case and the instant case is so obvious as to require little comment. In the Ciba Pharmaceutical Products, Inc. case, supra, the Abbott Laboratories' mark "Dical-D" was used on a vitamin D product which could be purchased in any drug store without a physician's prescription, whereas the Ciba Pharmaceutical Products, Inc. trade-marks—"Dial-Ciba" and "Dial"—were used on a dormitive and a sedative which produced sleep and which could be purchased only upon the prescription of a physician.

In the instant case, the product of each of the parties is used for exactly the same purpose and can be purchased without a doctor's prescription. Moreover, the involved goods are competitive, whereas in the case cited, the products were not competitive.

Other cases are relied upon by counsel for appellant, which we need not here discuss, as we have frequently held that the citation of authorities, except upon questions of law, is not helpful in the decision of cases of this character.

It is true, as argued by counsel for appellant, that there is some difference in the marks of the parties and that although the goods are used for precisely the same purpose, they are not identical. We are of opinion, however, as were the tribunals of the Patent Office, that the marks are confusingly similar and that appellant is not entitled to the registration of its mark. In so holding, we have considered, as we should, the marks as a whole, although we have analyzed for the purpose of this decision, the differences in the respective marks.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FLUDE

No. 5,265. Decided February 11, 1947. Petition for rehearing denied March 21, 1947

[159 F.(2d) —; 73 USPQ 59]

PATENTABILITY—METHOD—AGGREGATION.

Certain claims to a method of forming an island or to a method of acquiring oil reserves under water, which include the step of claiming sovereign title to the island *Held* unpatentable as an aggregation of unrelated functions, since it is clear that the step of claiming sovereign title to the island defines no mechanical or other essential relation between that step and the other steps of the recited method.

SAME—METHOD OF EXTENDING THE TERRITORIAL BOUNDARIES OF THE UNITED STATES—NON-STATUTORY.

The patent laws contain no provision which in the opinion of the court authorizes the allowance of the rejected claims upon the facts presented by the record.

SAME—METHOD OF FORMING AN ISLAND.

Certain claims to a method of forming an island *Held* unpatentable over the prior art, since it would not require the exercise of the inventive faculty to form an island by the same method of dredging and filling that was employed in extending the lower end of Manhattan Island.

APPEAL from the Patent Office. Affirmed.

Randolph B. Cousins (*Cousins & Cousins* of counsel) for Flude.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, and 19 to 24, inclusive, comprising all the claims in appellant's application for a patent for alleged "new and useful improvements in Island and Method of Making."

Claims 1, 2, and 23 are illustrative and sufficiently descriptive of the involved subject matter. They read—

> 1. The method of forming a natural island which consists in selecting a desirable location, dredging around the location, depositing the dredged material on the location and continuing the process until an island is formed above water.
>
> 2. The method of extending the territorial boundaries of the United States which consists in selecting appropriate locations and forming islands on such locations.
>
> 23. The method of acquiring oil reserves under waters beyond the territorial limits of the United States, which consists in locating an oil deposit beyond the normal three mile limit, forming an island thereover by dredging around the location and placing the dredged material over the deposit until an island is formed and then claiming sovereign title to the island and the waters surrounding it and subsequently drilling the island for oil.

The references are—"The Engineer," pages 556–558, May 14, 1937; "Engineering News-Record," pages 421–424, September 9, 1937.

"The Engineer" describes "Sinking deep caissons by the sand-island method" for offshore piers in the Mississippi River above New Orleans for the purpose of supporting a bridge across the river. A method of making an artificial island at a desired location in the bed of the river is related by which sand obtained conveniently by dredging at a point about a mile away was deposited on the location.

The "Engineering News-Record" describes the making of deep sand islands by depositing dredged material at desirable locations and sinking circular caissons within such islands to a depth of about 100 feet below water level for the purpose of erecting bridge piers in the bed of the Neches River near Port Arthur, Tex.

The Examiner rejected the claims for the stated reasons that claims 1 and 2 were fully met by either of the cited publications and as an engineering project the methods claimed were clearly met by such references; that the methods claimed are clearly aggregations; that the claims involve a matter of public policy; that the patent laws are not applicable to the performance of the claimed methods beyond the territorial limits of the United States as called for by claims 19 to 24, inclusive; and that the claims are drawn to a method of doing business and as such are beyond the scope of the patent laws.

The Board of Appeals in affirming the action of the Examiner held that there was no invention in locating oil within or beyond the three mile limit or in forming an island over the deposit and drilling the formed island to obtain the deposit; that the formation of the island was broadly old and that there was no operative relation in the sense of the patent laws between the step of claiming sovereign title to the island and the step of locating the deposits as defined by the rejected claims.

With specific reference to claims 19 to 24, inclusive, the Board held that they were aggregative; and to the extent that illustrative claim 23 might not be considered aggregative, such claim stated only expedients which are obvious with obvious effects and therefore involved no patentable subject matter; and that the limitation claiming sovereign title to the disclosed islands relates to matter not concerned with the patent laws.

Appellant points out that the application here in issue is a divisional application containing claims the allowance of which he alleges is necessary or desirable to protect and to carry into effect the subject matter of his parent patent, No. 2,283,200, issued for a method of making seismographic surveys to locate sub-aquatic deposits, principally oil.

Appellant contends that the cited references do not anticipate the claimed methods; that the claims are not aggregations but define an operative relationship of steps which renders the combination as an entirety the subject matter of a patent; and that there is invention in locating oil beyond the three mile limit, forming an island over the deposit, and drilling to obtain the deposit.

Appellant further contends that the usefulness of the result produced by the construction of these islands is apparent in view of the Presidential Proclamation of September 28, 1945, in which the President stated the need for new sources of petroleum and other minerals, and that the use of the island as defined by the rejected claims is a distinct improvement over any other method of underseas mining which constitutes a new and useful result amounting to invention, citing *O'Reilly et al.* v. *Morse et al.*, 15 How. 61.

During the prosecution of the application before the tribunals of the Patent Office, appellant stated—

> * * * it is concededly old to increase land areas along bodies of water and to alter shore-lines by dredging and fill, such as the Washington Airport. The idea of extending the shore-line by dredging and fill is concededly old, as shown by the fact that the lower end of Manhattan Island is entirely a matter of fill. * * *

The court considers that it would not require the exercise of the inventive faculty to form an island by the same method of dredging and filling that was employed in extending the lower end of Manhattan Island.

The cited publications, moreover, disclose the formation of islands in a body of water, which islands were used as the bases for further engineering purposes. No patentable distinction over such references is disclosed by appellant in the location of formed islands within or beyond the three mile limit and drilling such islands for deposits, although the islands disclosed in the references were formed of material which may have been obtained from a source other than by dredging around the immediate location of such islands.

It is clear that the step of claiming sovereign title to the island defines no mechanical or other essential relation between that step and the other steps of the recited methods upon which appellant relies as defining invention. Under such circumstances the methods claimed do not constitute a combination of elements and the claims are subject to rejection on the ground that they constitute an aggregation of unrelated functions. *In re Grapp*, 20 C. C. P. A. (Patents) 1042, 64 F.(2d) 376, 17 USPQ 291.

Appellant correctly states that neither the tribunals of the Patent Office nor the courts properly may determine questions of public policy contrary to the expressed will of Congress. *Broos* v. *Barton*, 31 C. C. P. A. (Patents) 1089, 142 F.(2d) 690, 61 USPQ 447. The cited Presidential Proclamation and the patent laws contain no provision which in the opinion of the court authorizes the allowance of the rejected claims upon the facts presented by the record.

In view of that conclusion it would serve no useful purpose to state and pass upon other points which have been discussed by the tribunals of the Patent Office or the respective parties to this appeal.

The decision of the Board of Appeals is accordingly affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,749,504, C. L. Pelton, Aerial distribution of materials; 2,056,296, M. S. Robertson, Means for applying spray materials; 2,090,950, same, Spray apparatus, filed May 6, 1947, D. C., E. D. Wash. (S. Div.), Doc. 302, *Independent Crop Dusting, Inc.*, v. *Central Aircraft Inc. et al.*

1,776,720, H. Bollmann, Process for the purification of phosphatides; 2,024,398, Sorensen & Beal, Process for production of lecithin from vegetable raw material, filed May 6, 1947, D. C., N. D. Ind. (Fort Wayne), Doc. 343, *American Lecithin Co.* v. *Central Soya Co.*

1,887,926, S. Fox, Combination garment, D. C., S. D. N. Y., Doc. 41/111, *S. Fox* v. *Lane Bryant, Inc., et al.* Consent order of discontinuance May 15, 1947.

1,903,659, R. J. Smith, Machine and method of applying fastener elements; 2,026,413, Binns & Dehart, Method and machine for making flexible closures; 2,078,016, N. J. Poux, Method of forming interlocking members for separable fasteners; 2,078,017, 2,169,176, same, Method of making separable fasteners, filed May 1, 1947, D. C., S. D. N. Y., Doc. 41/431, *Talon, Inc.*, v. *Carney Fasteners, Inc.*

1,923,590, R. Schlemm, Bread toaster; 2,039,956, M. H. Graham, Automatic toaster; 2,036,178, L. V. Lucia, Automatic regulating means for variable time controls, D. C., W. D. Mich., S. Div., Doc. 918, *McGraw Electric Co.* v. *Camfield Mfg. Co., Inc., et al.* Judgment for plaintiff, patents held valid and infringed, injunction May 17, 1947.

2,024,398. (See 1,776,720.) 2,026,413. (See 1,903,659.)

2,036,178. (See 1,923,590.) 2,039,956. (See 1,923,590.)

2,056,165, Bronaugh & Potter, Refrigerator, appeal filed Mar. 26, 1947, C. C. A., 2d Cir., Doc. 20551, *General Electric Co.* v. *Refrigeration Patents Corp.*

2,056,296. (See 1,749,504.) 2,078,016. (See 1,903,659.)

2,078,017. (See 1,903,659.)

2,082,413, R. A. Mueller, wellhead equipment; 2,117,444, same, Method of setting and equipping casing in wells and drilling under control; 2,150,887, R. A. Mueller et al., Method and apparatus for completing wells; 2,241,333, R. Smith, Well head, filed May 13, 1947, D. C., S. Div. Tex. (Houston), Doc. 2747, *Gray Tool Co.* v. *Humble Oil & Refining Co.*

2,090,950. (See 1,749,504.) 2,117,444. (See 2,082,413.)

2,150,887. (See 2,082,413.) 2,169,176. (See 1,903,659.)

2,235,719, L. Matarese, Cargo loading and unloading apparatus; 2,235,720, same, Cargo loading and unloading platform, filed May 13, 1947, D. C., E. D. N. Y., Doc. 8092, *L. Matarese* v. *The Jarka Corp.* Same, filed May 23, 1947, D. C., E. D. N. Y., Doc. 8117, *L. Matarese* v. *Turner & Blanchard, Inc.*

2,235,720. (See 2,235,719.) 2,241,333. (See 2,082,413.)

2,267,967, K. C. Augenstein, Extensible linkage, D. C. R. I., Doc. 780, *E. F. Speidel et al.* v. *French Jewelry Co.* Consent decree (notice May 12, 1947).

2,275,676, H. F. Andrus, Concrete block machine; 2,366,780, L. Gelbman et al., Method for making building blocks, D. C. N. J. (Camden), Doc. 9580, *H. F. Andrus et al.* v. *Landis Concrete Products, Inc.*

2,301,074, *M. Nusbaum*, Closure lock and operator, filed May 6, 1947, D. C., N. D. Ohio, E. Div., Doc. 24909, *Keyless Kaps, Inc.*, v. *The C. L. Gougler Keyless Lock Co.*

2,303,747, F. P. Kuhl, Indirect lighting fixture, filed May 8, 1947, D. C. N. J. (Newark), Doc. 10139, *Silvray Lighting Co.* v. *K. Versen et al.*

2,313,647, C. W. Patterson et al., Swivel sinker, filed May 16, 1947, D. C., N. D. Ohio, E. Div., Doc. 24954, *C. W. Patterson* v. *F. A. Taylor et al.*

2,315,884, V. L. Vendope, Lighting equipment, D. C., N. D. Tex. (Fort Worth), Doc. 536, *Concourse Products Corp.* v. *Burdick-Baron Co. et al.* Dismissed Apr. 21, 1947.

2,322,045, A. Miller, Lamp shade, filed May 14, 1947, D. C., N. D. Ill., E. Div., Doc. 47c732, *A. Miller et al.* v. *Sher-Bair Lamp Shade Co.*

2,325,722, L. E. Walther, Electric water heater; 2,380,132, Instant heater for liquids, filed May 20, 1947, D. C., S. D. Calif., C. Div., Doc. 7011–BH, *H. R. De Venney* v. *R. Winn et al.*

2,327,204, P. C. McLemore, Method of cultivation of plants; 2,408,328, same, Apparatus for cultivation of plants; Re. 22,803, same, Flame cultivation of plants; Re. 22,836, McLemore & Knudsen, Apparatus for flame cultivation of plants, filed May 1, 1947, D. C., E. D. Ark. (Jonesboro), Doc. 502–J, *Flame Cultivation, Inc., et al.* v. *Lee Wilson & Co. et al.*

2,366,780. (See 2,275,676.) 2,380,132. (See 2,325,722.)

2,398,077, H. P. Smith, Blood coagulating product and method of obtaining same; 2,408,535, same, Thromboplastin product and process for preparation of same; 2,408,536, same, Prothrombin product and process for preparation of same, filed May 6, 1947, D. C., N. D. Calif., S. Div., Doc. 27191–R, *Cutter Laboratories* v. *Parke, Davis & Co.*

2,408,328. (See 2,327,204.) 2,408,535. (See 2,398,077.)

2,408,536. (See 2,398,077.)

2,415,790, S. B. Finnerty, Emery wheel dresser, filed May 6, 1947, D. C., N. D. Calif., S. Div., Doc. 27192–R, *S. B. Finnerty et al.* v. *G. J. Wallen Mfg. Co. et al.*

Re. 22,803. (See 2,327,204.)

Re. 22,836. (See 2,327,204.)

T. M. 286,805, Canadian Pale Products Assn., Cereal beverage, D. C. N. J. (Newark), Doc. 9993, *S. O. S. Products Co., Inc.*, v. *Brad Chemical Corp.* Consent decree for injunction May 15, 1947.

T. M. 349,417, B. G. Pratt Co., Insecticides, D. C. N. J. (Newark), Doc. 9974, *B. G. Pratt Co.* v. *Kem Products Co.* Stipulation of discontinuance May 20, 1947.

NOTICES

Classification Order No. 8

The following transfer, to take effect immediately, is hereby ordered:

Class 91, Coating, from Division 46 to Division 38.

MARK TAYLOR,
Acting Executive Primary Examiner.

July 11, 1947.

Adjudicated Patent

(C. C. A. Ill.) Fausek and Fausek, Patent No. 2,056,045, for an electrode holder, claims 1 to 6, inclusive, *Held* invalid. *Illinois Welding Accessories Co.* v. *Johnson Welding Equipment Co.*, 161 F.(2d) 624; 72 USPQ 363.

Disclaimer

1,986,508.—*Albert Leighton*, New York, N. Y. COMBINATION SHIRT AND INVISIBLE SUSPENDERS. Patent dated Jan. 1, 1935. Disclaimer filed June 30, 1947, by the inventor.

Hereby enters disclaimer to Figure 4 except the parts numbered 15 and 17, to all of Figures 5 and 6 and to that portion of the specification which is descriptive of said disclaimed portions.

Notice of Cancellation

James W. Shoemaker, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of John Lucas and Company, Inc., 322 Race Street, Philadelphia, Pa., to effect the cancellation of trade-mark registration of James W. Shoemaker, 1217 Old Chehalis Road, Centralia, Wash., No. 246,446, dated September 4, 1928, and the Patent Office having been advised that the said Shoemaker is deceased, notice is hereby given that unless the heirs of Shoemaker, his assigns, legal representatives, or other person claiming an interest in the registration, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

July 9, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The United Shoe Machinery Corporation has placed 2,092 patents on the Register of Patents as available for license. About one-fourth of these patents are useful in fields other than shoe machinery—among which are sewing machines, cement dispensing devices, and buffing rolls. The complete list of patents will be published in groups in the OFFICIAL GAZETTE from July 29 to August 19 inclusive. A brochure containing abstracts of these patents may be obtained from the Commissioner of Patents, Washington, D. C., or from the United Shoe Machinery Corporation, 140 Federal St., Boston 10, Mass. Group 35—59. Reg. Nos. 6,016 to 6,549, inclusive, are printed herewith.

Pat. 1,768,680. BURNISHING MACHINE. Patented July 1, 1930.

Pat. 1,768,685. MACHINE FOR SKIVING SHOE STIFFENERS. Patented July 1, 1930.

Pat. 1,768,829. SOLE LAYING. Patented July 1, 1930.

Pat. 1,768,831. FASTENING-SUPPLYING MECHANISM. Patented July 1, 1930.

Pat. 1,768,834. SHOE TURNING MACHINE. Patented July 1, 1930.

Pat. 1,770,022. JIG FOR LAST DRILLING MACHINES. Patented July 8, 1930.

Pat. 1,770,976. MACHINE FOR FORMING AND REFORMING TURN SHOES. Patented July 22, 1930.

Pat. 1,771,018. SOLE LOCATING MACHINE. Patented July 22, 1930.

Pat. 1,771,019. SOLE PRESSING MACHINE. Patented July 22, 1930.

Pat. 1,771,050. FASTENING-SUPPLYING APPARATUS. Patented July 22, 1930.

Pat. 1,771,092. SNIPPING ATTACHMENT FOR FOLDING MACHINES. Patented July 22, 1930.

Pat. 1,771,418. INDICATING SYSTEM. Patented July 29, 1930.

Pat. 1,771,606. SKIVING MACHINE. Patented July 29, 1930.

Pat. 1,772,038. METHOD AND APPARATUS FOR TREATING SOLES AND SOLES SO TREATED. Patented Aug. 5, 1930.

Pat. 1,772,060. SHOE MACHINE. Patented Aug. 5, 1930.

Pat. 1,772,465. MACHINE FOR OPERATING UPON SHOE STIFFENERS. Patented Aug. 12, 1930.

Pat. 1,772,467. SHOE CEMENTER. Patented Aug. 12, 1930.

Pat. 1,772,471. CUTTING MACHINE. Patented Aug. 12, 1930.

Pat. 1,773,261. LEVELING MACHINE. Patented Aug. 19, 1930.

Pat. 1,773,276. HEEL SEAT FITTING MACHINE. Patented Aug. 19, 1930.

Pat. 1,773,343. EDGE SCOURING MACHINE. Patented Aug. 19, 1930.

Pat. 1,774,502. BLACKING MACHINE. Patented Sept. 2, 1930.

Pat. 1,774,549. TRIMMING MACHINE. Patented Sept. 2, 1930.

Pat. 1,775,070. METHOD OF AND MACHINE FOR APPLYING TAPE. Patented Sept. 2, 1930.

Pat. 1,775,087. CEMENTING MACHINE. Patented Sept. 9, 1930.

Pat. 1,775,225. LASTING MACHINE. Patented Sept. 9, 1930.

Pat. 1,775,678. ASSEMBLING MACHINE. Patented Sept. 16, 1930.

Pat. 1,775,910. LEVER CLAMP JACK. Patented Sept. 16, 1930.

Pat. 1,776,294. HEELING MACHINE. Patented Sept. 23, 1930.

Pat. 1,776,397. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Sept. 23, 1930.

Pat. 1,776,428. FASTENING-INSERTING MACHINE. Patented Sept. 23, 1930.

Pat. 1,776,829. COATING APPARATUS. Patented Sept. 30, 1930.

Pat. 1,777,314. MACHINE FOR TRIMMING HEEL COVERS. Patented Oct. 7, 1930.

Pat. 1,777,323. WELT GROOVING AND BEVELING MACHINE. Patented Oct. 7, 1930.

Pat. 1,777,331. HEEL MACHINE. Patented Oct. 7, 1930.

Pat. 1,777,382. FASTENING-INSERTING MACHINE. Patented Oct. 7, 1930.

Pat. 1,777,473. SOLE TRIMMING MACHINE. Patented Oct. 7, 1930.

Pat. 1,778,184. CEMENTING MACHINE. Patented Oct. 14, 1930.

Pat. 1,778,192. LASTING MACHINE. Patented Oct. 14, 1930.

Pat. 1,778,963. STOCK FITTING MACHINE. Patented Oct. 21, 1930.

Pat. 1,779,091. MARKING MACHINE. Patented Oct. 21, 1930.

Pat. 1,779,509. SHOE MACHINE. Patented Oct. 28, 1930.

Pat. 1,779,510. MACHINE FOR INSERTING FASTENINGS. Patented Oct. 28, 1930.

Pat. 1,780,341. CEMENTING MACHINE. Patented Nov. 4, 1930.

Pat. 1,780,342. CEMENTING MACHINE. Patented Nov. 4, 1930.

Pat. 1,780,990. MACHINE FOR OPERATING UPON BLANKS. Patented Nov. 11, 1930.

Pat. 1,782,494. SOLE ROUNDING MACHINE. Patented Nov. 25, 1930.

Pat. 1,782,495. SKIVING MACHINE. Patented Nov. 25, 1930.

Pat. 1,782,802. BURNISHING MACHINE. Patented Nov. 25, 1930.

Pat. 1,783,212. HEEL-SEAT-FITTING MACHINE. Patented Dec. 2, 1930.

Pat. 1,784,923. SHOE SUPPORT. Patented Dec. 16, 1930.

Pat. 1,785,832. FASTENING DISTRIBUTOR. Patented Dec. 23, 1930.

Pat. 1,785,843. SHOE MACHINE. Patented Dec. 23, 1930.

Pat. 1,785,844. FASTENING-INSERTING MACHINE. Patented Dec. 23, 1930.

Pat. 1,785,928. NAILING MACHINE. Patented Dec. 23, 1930.

Pat. 1,785,938. SHOE-PRESSING MACHINE. Patented Dec. 23, 1930.

Pat. 1,787,615. WOOD-HEEL MAKING. Patented Jan. 6, 1931.

Pat. 1,787,640. MACHINE FOR AND METHOD OF HEEL SEAT FITTING. Patented Jan. 6, 1931.

Pat. 1,787,642. HEEL-MAKING MACHINE. Patented Jan. 6, 1931.

Pat. 1,787,704. SKIVING MACHINE. Patented Jan. 6, 1931.

Pat. 1,788,610. HEEL-LIFT-CEMENTING MACHINE. Patented Jan. 13, 1931.

Pat. 1,788,841. LASTING AND FASTENING MACHINE. Patented Jan. 13, 1931.

Pat. 1,789,305. GAUGE. Patented Jan. 20, 1931.

Pat. 1,789,307. METHOD OF AND MACHINE FOR MAKING SHOES. Patented Jan. 20, 1931.

Pat. 1,789,309. PASTING MACHINE. Patented Jan. 20, 1931.

Pat. 1,789,323. FASTENING-INSERTING MACHINE. Patented Jan. 20, 1931.

Pat. 1,790,062. FASTENING-INSERTING MACHINE. Patented Jan. 27, 1931.

Pat. 1,790,084. HEEL MACHINE. Patented Jan. 27, 1931.

Pat. 1,790,192. SHOE PRESSING MACHINE. Patented Jan. 27, 1931.

Pat. 1,790,837. MACHINE FOR OPERATING UPON SOLES. Patented Feb. 3, 1931.

Pat. 1,790,901. FRENCH BINDING, STRAIGHTENING AND CEMENTING MACHINE. Patented Feb. 3, 1931.

Pat. 1,790,925. WOOD HEEL GROOVING MACHINE. Patented Feb. 3, 1931.

Pat. 1,792,447. SKIVING MACHINE. Patented Feb. 10, 1931.

Pat. 1,792,531. METHOD OF AND MACHINE FOR FORMING CLOSE SHANKS. Patented Feb. 17, 1931.

Re. 18,375. TRIMMING MACHINE. Reissued Mar. 8, 1932. (Original Patent No. 1,793,481; dated Feb. 24, 1931.)

Pat. 1,793,516. METHOD OF AND APPARATUS FOR MAKING SHOES. Patented Feb. 24, 1931.

Pat. 1,793,549. TRIMMING APPARATUS. Patented Feb. 24, 1931.

Pat. 1,793,687. FLUID APPLYING MACHINE. Patented Feb. 24, 1931.

Pat. 1,794,430. METHOD OF AND MACHINE FOR OPERATING UPON SOLES. Patented Mar. 3, 1931.

Pat. 1,795,485. GAITER TRIMMING MACHINE. Patented Mar. 10, 1931.

Pat. 1,796,103. MACHINE FOR OPERATING UPON BOOT AND SHOE SOLES. Patented Mar. 10, 1931.

Pat. 1,796,451. LASTING MACHINE. Patented Mar. 17, 1931.

Pat. 1,796,452. MACHINE FOR INSERTING FASTENINGS. Patented Mar. 17, 1931.

Pat. 1,797,020. TREE AND TREEING MACHINE OR APPLIANCE FOR BOOTS AND SHOES. Patented Mar. 17, 1931.

Pat. 1,797,298. PULLING OVER MACHINE. Patented Mar. 24, 1931.

Pat. 1,798,226. FASTENER-INSERTING MACHINE. Patented Mar. 31, 1931.

Pat. 1,799,275. MACHINE FOR OPERATING UPON HEEL BLANKS. Patented Apr. 7, 1931.

Pat. 1,799,802. MACHINE FOR LAYING BREAST COVERS ON HEELS. Patented Apr. 7, 1931.

Pat. 1,799,305. PERFORATING MACHINE. Patented Apr. 7, 1931.

Pat. 1,799,320. LIP TURNING AND SETTING MACHINE. Patented Apr. 7, 1931.

Pat. 1,799,615. PERFORATING MACHINE. Patented Apr. 7, 1931.

Pat. 1,800,205. FASTENING INSERTING MACHINE. Patented Apr. 14, 1931.

Pat. 1,800,510. CEMENTING MACHINE. Patented Apr. 14, 1931.

Pat. 1,800,568. MACHINE FOR OPERATING UPON HEELS. Patented Apr. 14, 1931.

Pat. 1,802,377. STAMPING MACHINE. Patented Apr. 28, 1931.

Pat. 1,802,833. LEVELING MACHINE. Patented Apr. 28, 1931.

Pat. 1,802,845. HEEL NAILING MACHINE. Patented Apr. 28, 1931.

Pat. 1,802,900. FASTENING-INSERTING MACHINE. Patented Apr. 28, 1931.

Pat. 1,803,308. MACHINE FOR LACING SHOE UPPERS. Patented Apr. 28, 1931.

Pat. 1,804,397. FASTENING INSERTING MACHINE. Patented May 12, 1931.

Pat. 1,804,427. METHOD OF AND APPARATUS FOR LOCATING ELEMENTS UPON SHOE BOTTOMS. Patented May 12, 1931.

Pat. 1,805,039. MACHINE FOR AND METHOD OF HEEL SEAT FITTING. Patented May 12, 1931.

Pat. 1,805,719. CHANNELING MACHINE. Patented May 19, 1931.

Pat. 1,806,626. MACHINE FOR FINISHING THE SHANKS OF SHOES. Patented May 26, 1931.

Pat. 1,806,661. METHOD OF AND MEANS FOR PRODUCING SOLES OF OR FOR BOOTS AND SHOES. Patented May 26, 1931.

Pat. 1,806,883. MECHANISM FOR SUPPLYING FASTENINGS. Patented May 26, 1931.

Re. 18,432. HEEL BREASTING MACHINE. Reissued Apr. 19, 1932. (Original 1,807,153; dated May 26, 1931.)

Pat. 1,807,603. STITCH REMOVING MACHINE. Patented June 2, 1931.

Pat. 1,807,663. CEMENTING MACHINE. Patented June 2, 1931.

Pat. 1,807,679. PERFORATING MACHINE. Patented June 2, 1931.

Pat. 1,807,795. JACK TOP. Patented June 2, 1931.

Pat. 1,807,818. HEEL MAKING MACHINE. Patented June 2, 1931.

Pat. 1,807,835. TRIMMING MACHINE. Patented June 2, 1931.

Pat. 1,807,853. FASTENING PULLING MACHINE. Patented June 2, 1931.

Pat. 1,808,158. FOLDING MACHINE. Patented June 2, 1931.

Pat. 1,808,810. POSITIONING APPARATUS. Patented June 9, 1931.

Pat. 1,808,812. INKING DEVICE FOR MARKING MACHINES. Patented June 9, 1931.

Pat. 1,809,040. CUTTING OR PUNCHING MACHINE. Patented June 9, 1931.

Pat. 1,809,065. ART OF SHOEMAKING. Patented June 9, 1931.

Pat. 1,810,485. SKIVING MACHINE. Patented June 16, 1931.

Pat. 1,811,875. HEEL DRILLING MACHINE. Patented June 30, 1931.

Pat. 1,811,884. PRESSING SOLES. Patented June 30, 1931.

Pat. 1,811,891. FASTENING FEEDING SYSTEM. Patented June 30, 1931.

Pat. 1,813,983. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented July 14, 1931.

Pat. 1,814,111. SPLITTING MACHINE. Patented July 14, 1931.

Pat. 1,814,136. CUTTING BLOCK. Patented July 14, 1931.

Pat. 1,815,295. MACHINE FOR INSERTING FASTENINGS. Patented July 21, 1931.

Pat. 1,815,297. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented July 21, 1931.

Pat. 1,816,962. PRESSING MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Aug. 4, 1931.

Pat. 1,816,963. PRESSING MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Aug. 4, 1931.

Pat. 1,818,051. DEVICE FOR SUPPLYING FASTENINGS. Patented Aug. 11, 1931.

Pat. 1,818,142. MACHINE FOR OPERATING ON HEELS. Patented Aug. 11, 1931.

Pat. 1,819,024. MACHINE FOR APPLYING STRIPS OF PIPING TO SHEET MATERIAL. Patented Aug. 18, 1931.

Pat. 1,819,120. SMOOTHING MACHINE. Patented Aug. 18, 1931.

Pat. 1,819,440. SEPARATING SHOES AND LASTS. Patented Aug. 18, 1931.

Pat. 1,820,952. MEANS FOR EFFECTING RELATIVE MOVEMENTS BETWEEN SHOES AND THEIR LASTS. Patented Sept. 1, 1931.

Pat. 1,821,152. PUNCHING AND FASTENER INSERTING APPARATUS. Patented Sept. 1, 1931.

Pat. 1,821,162. PULLING OVER MACHINE. Patented Sept. 1, 1931.

Pat. 1,821,965. FASTENING-INSERTING APPARATUS. Patented Sept. 8, 1931.

Pat. 1,821,966. FASTENING-INSERTING MACHINE. Patented Sept. 8, 1931.

Pat. 1,822,014. CEMENTING MACHINE. Patented Sept. 8, 1931.

Pat. 1,822,039. MACHINE FOR APPLYING PRESSURE TO SHOES. Patented Sept. 8, 1931.

Pat. 1,823,030. MARKING MACHINE. Patented Sept. 15, 1931.

Pat. 1,823,894. FASTENER SETTING MACHINE. Patented Sept. 22, 1931.

Pat. 1,823,898. FASTENING-INSERTING MACHINE. Patented Sept. 22, 1931.

Pat. 1,824,375. GUARD FOR WOOD HEEL-TURNING MACHINES. Patented Sept. 22, 1931.

Pat. 1,824,958. GAGE MECHANISM FOR FASTENING-INSERTING MACHINES. Patented Sept. 29, 1931.

Pat. 1,824,962. MACHINE FOR OPERATING UPON SOLES. Patented Sept. 29, 1931.

Pat. 1,825,210. TACK HANDLING MECHANISM. Patented Sept. 29, 1931.

Pat. 1,825,688. MACHINE AND METHOD FOR FORMING AND ATTACHING RANDS. Patented Oct. 6, 1931.

Pat. 1,825,704. PRESSURE MECHANISM. Patented Oct. 6, 1931.

Pat. 1,825,857. LASTING MACHINE. Patented Oct. 6, 1931.

Pat. 1,826,723. APPARATUS FOR USE IN ATTACHING HEELS TO SHOES. Patented Oct. 13, 1931.

Pat. 1,826,796. SOLE GROOVING MACHINE. Patented Oct. 13, 1931.

Pat. 1,828,089. GUARD FOR WOOD HEEL TURNING MACHINES. Patented Oct. 20, 1931.

Pat. 1,828,829. TRIMMING MACHINE. Patented Oct. 27, 1931.

Pat. 1,828,855. SHOE SURFACE COATING. Patented Oct. 27, 1931.

Pat. 1,829,389. FASTENER INSERTING MACHINE. Patented Oct. 27, 1931.

Pat. 1,829,779. FOXING CEMENTING. Patented Nov. 3, 1931.

Pat. 1,829,792. SKIVING MACHINE. Patented Nov. 3, 1931.

Pat. 1,830,114. SHOE CEMENTING. Patented Nov. 3, 1931.

Pat. 1,830,604. ASSEMBLING MACHINE. Patented Nov. 3, 1931.

Pat. 1,830,621. COATING APPARATUS. Patented Nov. 3, 1931.

Pat. 1,830,622. METHOD OF AND MACHINE FOR NAILING HEELS. Patented Nov. 3, 1931.

Pat. 1,830,627. SHOE TURNING MACHINE. Patented Nov. 3, 1931.

Pat. 1,831,109. SHOE SUPPORTING MEANS. Patented Nov. 10, 1931.

Pat. 1,831,120. LASTING MACHINE. Patented Nov. 10, 1931.

Pat. 1,831,348. MACHINE FOR LACING SHOE UPPERS. Patented Nov. 10, 1931.

Pat. 1,831,904. CEMENTING MACHINE. Patented Nov. 17, 1931.

Pat. 1,832,130. MACHINE FOR TRIMMING HEEL BREAST COVERINGS. Patented Nov. 17, 1931.

Pat. 1,833,092. LASTING MACHINE. Patented Nov. 24, 1931.

Pat. 1,833,111. REINFORCED CUTTING BLOCK. Patented Nov. 24, 1931.

Pat. 1,833,115. FOXING CEMENTING MACHINE. Patented Nov. 24, 1931.

Pat. 1,833,123. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Nov. 24, 1931.

Pat. 1,833,148. HEEL COVERING MACHINE. Patented Nov. 24, 1931.

Pat. 1,833,930. SEAM PRESSING MACHINE. Patented Dec. 1, 1931.

Pat. 1,834,075. WOOD HEEL CONCAVING MACHINE. Patented Dec. 1, 1931.

Pat. 1,834,083. HEEL SEAT FITTING MACHINE. Patented Dec. 1, 1931.

Pat. 1,834,109. LASTING MACHINE. Patented Dec. 1, 1931.

Pat. 1,834,139. SKIVING MECHANISM. Patented Dec. 1, 1931.

Pat. 1,834,471. SHOE MACHINE. Patented Dec. 1, 1931.

Pat. 1,835,082. HEEL ASSEMBLING MACHINE. Patented Dec. 8, 1931.

Pat. 1,835,135. SCREW AND NUT TURNING DEVICE. Patented Dec. 8, 1931.

Pat. 1,836,149. SPLITTING MACHINE. Patented Dec. 15, 1931.

Pat. 1,836,185. MACHINE FOR TRIMMING HEEL COVERS. Patented Dec. 15, 1931.

Pat. 1,836,229. STITCHDOWN LASTING MACHINE. Patented Dec. 15, 1931.

Pat. 1,837,275. FASTENING-INSERTING MECHANISM. Patented Dec. 22, 1931.

Pat. 1,837,399. HEEL SEAT FITTING MACHINE. Patented Dec. 22, 1931.

Pat. 1,838,812. FINISHING MACHINE. Patented Dec. 29, 1931.

Pat. 1,839,227. FOXING APPLYING MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,228. WOOD HEEL GROOVING MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,238. FASTENING-INSERTING MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,259. HEEL ATTACHING MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,260. SHOE MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,269. LASTING MACHINE. Patented Jan. 5, 1932.

Pat. 1,839,852. MACHINE FOR OPERATING UPON SHOES. Patented Jan. 5, 1932.

Pat. 1,839,853. NAIL SUPPLYING APPARATUS. Patented Jan. 5, 1932.

Pat. 1,840,030. HEEL SEAT FITTING MACHINE. Patented Jan. 5, 1932.

Pat. 1,840,344. SKIVING MACHINE. Patented Jan. 12, 1932.

Pat. 1,840,381. LASTING MACHINE. Patented Jan. 12, 1932.

Pat. 1,840,559. MACHINE FOR OPERATING ON SOLES OR OTHER PARTS OF SHOES. Patented Jan. 12, 1932.

Pat. 1,841,431. SPRAY COATING MACHINE. Patented Jan. 19, 1932.

Pat. 1,841,448. HEEL ATTACHING MACHINE. Patented Jan. 19, 1932.

Pat. 1,841,451. NAIL DISTRIBUTING APPARATUS. Patented Jan. 19, 1932.

Pat. 1,841,610. WORK SUPPORT. Patented Jan. 19, 1932.

Pat. 1,841,647. SHOE FINISHING MACHINE. Patented Jan. 19, 1932.

Pat. 1,842,480. COUNTER PASTING MACHINE. Patented Jan. 26, 1932.

Pat. 1,843,231. SHOE REMOVING MECHANISM. Patented Feb. 2, 1932.

Pat. 1,843,232. LASTING MACHINE. Patented Feb. 2, 1932.

Pat. 1,843,974. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Feb. 9, 1932.

Pat. 1,843,984. TREEING MACHINE. Patented Feb. 9, 1932.

Pat. 1,844,856. PULLING OVER MACHINE. Patented Feb. 9, 1932.

Pat. 1,845,303. NAIL DISTRIBUTOR. Patented Feb. 16, 1932.

Pat. 1,846,480. SPLITTING MACHINE. Patented Feb. 23, 1932.

Pat. 1,846,615. WOOD HEEL GROOVING MACHINE. Patented Feb. 23, 1932.

Pat. 1,847,244. METHOD OF AND MACHINE FOR FITTING HEELS TO THE SOLES OF SHOES. Patented Mar. 1, 1932.

Pat. 1,847,248. MECHANISM FOR SUPPLYING FASTENINGS. Patented Mar. 1, 1932.

Pat. 1,847,274. SHOEMAKING. Patented Mar. 1, 1932.

Pat. 1,847,275. NAIL DISTRIBUTOR. Patented Mar. 1, 1932.

Pat. 1,847,289. HEEL SEAT FITTING MACHINE. Patented Mar. 1, 1932.

Pat. 1,847,300. FASTENING-INSERTING MACHINE. Patented Mar. 1, 1932.

Pat. 1,847,334. MACHINE FOR OPERATING UPON THE TOE PORTIONS OF BOOTS AND SHOES. Patented Mar. 1, 1932.

Pat. 1,847,525. FASTENING-INSERTING MACHINE. Patented Mar. 1, 1932.

Pat. 1,848,163. FASTENING-INSERTING MACHINE. Patented Mar. 8, 1932.

Pat. 1,848,841. FEEDING MECHANISM. Patented Mar. 8, 1932.

Pat. 1,848,960. WELT TEMPERING MACHINE. Patented Mar. 8, 1932.

Pat. 1,849,241. POUNDING MACHINE. Patented Mar. 15, 1932.

Pat. 1,849,253. FASTENING-INSERTING MACHINE. Patented Mar. 15, 1932.

Pat. 1,849,254. DEVICE FOR HOLDING SHOE UPPERS IN LASTED POSITION. Patented Mar. 15, 1932.

Pat. 1,849,302. CEMENTING MACHINE. Patented Mar. 15, 1932.

Pat. 1,850,097. TRIMMING MACHINE. Patented Mar. 22, 1932.

Pat. 1,850,149. HEEL SEAT FITTING MACHINE. Patented Mar. 22, 1932.

Pat. 1,850,195. HEEL BREASTING MACHINE. Patented Mar. 22, 1932.

Pat. 1,850,389. MACHINE FOR BLOCKING OR SHAPING BOOTS AND SHOES. Patented Mar. 22, 1932.

Pat. 1,850,979. FOLDING MACHINE. Patented Mar. 22, 1932.

Pat. 1,851,006. MACHINE FOR AND METHOD OF OPERATING UPON SHOES. Patented Mar. 29, 1932.

Pat. 1,851,162. COATING MACHINE. Patented Mar. 29, 1932.

Pat. 1,851,980. DISCHARGE MECHANISM FOR NAIL-DISTRIBUTORS. Patented Apr. 5, 1932.

Pat. 1,852,015. MACHINE FOR SHAPING SHOE UPPERS. Patented Apr. 5, 1932.

Pat. 1,852,019. STAPLE FORMING AND INSERTING MACHINE. Patented Apr. 5, 1932.

Pat. 1,852,140. HEEL MACHINE. Patented Apr. 5, 1932.

Pat. 1,852,152. WORK SUPPORT. Patented Apr. 5, 1932.

Pat. 1,852,288. PROCESS AND APPARATUS FOR FORMING THE HEEL END OF A SOLE. Patented Apr. 5, 1932.

Pat. 1,853,126. MANUFACTURE OF SHOES. Patented Apr. 12, 1932.

Pat. 1,853,722. WORK SUPPORT FOR STAPLE FASTENING MACHINES. Patented Apr. 12, 1932.

Pat. 1,854,204. LASTING MACHINE. Patented Apr. 19, 1932.

Pat. 1,854,263. MACHINE FOR CHAMFERING HEELS OF SHOES. Patented Apr. 19, 1932.

Pat. 1,854,310. FASTENING-INSERTING MACHINE. Patented Apr. 19, 1932.

Pat. 1,854,469. FASTENER-INSERTING MACHINE. Patented Apr. 19, 1932.

Pat. 1,854,590. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Apr. 19, 1932.

Pat. 1,854,658. MECHANICAL MOVEMENT. Patented Apr. 19, 1932.

Pat. 1,855,223. METHOD OF AND MACHINE FOR FINISHING THE EDGES OF SHEET MATERIAL. Patented Apr. 26, 1932.

Pat. 1,855,247. UPPER PRESSING MACHINE. Patented Apr. 26, 1932.

Pat. 1,855,405. NAILING MACHINE. Patented Apr. 26, 1932.

Pat. 1,855,418. MEANS FOR HOLDING SHOE UPPERS IN LASTED POSITION. Patented Apr. 26, 1932.

Pat. 1,855,424. SKIVING MACHINE. Patented Apr. 26, 1932.

Pat. 1,856,057. MACHINE FOR USE IN FORMING HEEL SEATS ON BOOT AND SHOE SOLES. Patented Apr. 26, 1932.

Pat. 1,856,126. BUFFING MACHINE. Patented May 3, 1932.

Pat. 1,856,137. TRIMMING MACHINE. Patented May 3, 1932.

Pat. 1,856,155. SKIVING MACHINE. Patented May 3, 1932.

Pat. 1,856,174. SEAM FINISHING MACHINE. Patented May 3, 1932.

Pat. 1,856,291. MACHINE FOR RELATIVELY MOVING SHOES AND THEIR LASTS. Patented May 3, 1932.

Pat. 1,856,292. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented May 3, 1932.

Pat. 1,857,180. METHOD OF AND APPARATUS FOR OPERATING UPON SHOE-PART BLANKS. Patented May 10, 1932.

Pat. 1,857,218. APPARATUS FOR SOFTENING SHOE STIFFENERS. Patented May 10, 1932.

Pat. 1,857,366. LIP TURNING MACHINE. Patented May 10, 1932.

Pat. 1,857,424. HEEL SEAT FITTING MACHINE. Patented May 10, 1932.

Pat. 1,858,273. MARKING MACHINE. Patented May 17, 1932.

Pat. 1,858,496. PUNCHING APPARATUS. Patented May 17, 1932.

Pat. 1,858,584. SHOE MACHINE. Patented May 17, 1932.

Pat. 1,858,811. TAPE APPLYING MACHINE. Patented May 17, 1932.

Pat. 1,859,421. FASTENING INSERTING AND TRIMMING MACHINE. Patented May 24, 1932.

Pat. 1,859,434. SHOE-PRESSING MACHINE. Patented May 24, 1932.

Pat. 1,859,471. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented May 24, 1932.

Pat. 1,859,513. WORK LOCATING AND GUIDING DEVICE. Patented May 24, 1932.

Pat. 1,860,645. HEEL COVER TUCKING MACHINE. Patented May 31, 1932.

Pat. 1,860,696. MACHINE FOR OPERATING UPON LASTS. Patented May 31, 1932.

Pat. 1,860,742. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented May 31, 1932.

Pat. 1,860,789. WOOD HEEL GROOVING MACHINE. Patented May 31, 1932.

Pat. 1,861,654. ROUNDING AND CHANNELING MACHINE. Patented June 7, 1932.

Pat. 1,861,666. COATING APPARATUS. Patented June 7, 1932.

Pat. 1,861,822. ROUNDING AND CHANNELING MACHINE. Patented June 7, 1932.

Pat. 1,861,832. MACHINE FOR OPERATING UPON END PORTIONS OF SHOES. Patented June 7, 1932.

Pat. 1,862,890. PREPARING AND ASSEMBLING PARTS OF SHOE UPPERS. Patented June 14, 1932.

Pat. 1,862,898. MACHINE FOR OPERATING UPON HEEL BLANKS. Patented June 14, 1932.

Pat. 1,863,747. FOXING APPLYING MACHINE. Patented June 21, 1932.

Pat. 1,863,900. FOXING CEMENTING MACHINE. Patented June 21, 1932.

Pat. 1,864,510. MACHINE FOR LASTING STITCH-DOWN SHOES. Patented June 21, 1932.

Pat. 1,864,630. MACHINE FOR SHAPING SHOE UPPERS. Patented June 28, 1932.

Pat. 1,864,631. SOLE SLASHING MACHINE. Patented June 28, 1932.

Pat. 1,864,669. MACHINE FOR OPERATING ON SHOES. Patented June 28, 1932.

Pat. 1,864,671. APPARATUS FOR TREATING SHOE PORTIONS. Patented June 28, 1932.

Pat. 1,864,791. MACHINE FOR OPERATING UPON SHOES. Patented June 28, 1932.

Pat. 1,865,855. BUFFING MACHINE. Patented July 5, 1932.

Pat. 1,865,856. CONTROLLING MECHANISM FOR SHOE MACHINES. Patented July 5, 1932.

Pat. 1,866,012. ABRADING MACHINE. Patented July 5, 1932.

Pat. 1,866,245. SPLITTING MACHINE. Patented July 5, 1932.

Pat. 1,867,594. SHOE STIFFENER CONDITIONING MACHINE. Patented July 19, 1932.

Pat. 1,871,873. MACHINE FOR GROOVING HEELS. Patented Aug. 16, 1932.

Pat. 1,871,874. MACHINE FOR USE IN COVERING HEELS. Patented Aug. 16, 1932.

Pat. 1,871,882. HEEL MACHINE. Patented Aug. 16, 1932.

Pat. 1,871,922. MACHINE AND METHOD FOR USE IN SHOEMAKING. Patented Aug. 16, 1932.

Pat. 1,872,324. MACHINE FOR USE IN THE MANUFACTURE OF COVERED HEELS. Patented Aug. 16, 1932.

Pat. 1,872,388. MACHINE FOR OPERATING UPON HEELS. Patented Aug. 16, 1932.

Pat. 1,874,421. HEEL GROOVING MACHINE. Patented Aug. 30, 1932.

Pat. 1,874,532. INSOLE-MAKING MACHINE. Patented Aug. 30, 1932.

Pat. 1,874,715. GRADING MACHINE. Patented Aug. 30, 1932.

Pat. 1,875,322. RELEASING DEVICE. Patented Sept. 6, 1932.

Pat. 1,875,799. PRESS. Patented Sept. 6, 1932.

Pat. 1,877,105. SHOE CUT-OUT MEANS. Patented Sept. 13, 1932.

Pat. 1,880,737. MACHINE FOR FLANGING SHOE UPPERS. Patented Oct. 4, 1932.

Pat. 1,880,756. METHOD OF AND DEVICE FOR STOCK FITTING. Patented Oct. 4, 1932.

Pat. 1,881,670. MACHINE FOR USE IN MAKING RUBBER SHOES. Patented Oct. 11, 1932.

Pat. 1,882,031. FASTENER INSERTING MACHINE. Patented Oct. 11, 1932.

Pat. 1,882,061. TRIMMING MACHINE. Patented Oct. 11, 1932.

Pat. 1,882,067. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Oct. 11, 1932.

Pat. 1,882,068. RETAINING MECHANISM. Patented Oct. 11, 1932.

Pat. 1,882,077. HEEL-BREAST FLAP LAYING AND FLAP TRIMMING MACHINE. Patented Oct. 11, 1932.

Pat. 1,882,921. ROUGHING TOOL FOR SHOE PARTS. Patented Oct. 18, 1932.

Pat. 1,884,508. LASTING MACHINE. Patented Oct. 25, 1932.

Pat. 1,884,660. MACHINE FOR SHAPING SHOE UPPERS. Patented Oct. 25, 1932.

Pat. 1,884,800. MACHINE FOR TREATING SHOE STIFFENERS. Patented Oct. 25, 1932.

Pat. 1,884,949. FEED MECHANISM. Patented Oct. 25, 1932.

Pat. 1,886,157. PROCESS AND APPARATUS FOR FORMING THE HEEL END OF A SOLE. Patented Nov. 1, 1932.

Pat. 1,886,279. LASTING MACHINE. Patented Nov. 1, 1932.

Pat. 1,886,870. EDGE FINISHING MACHINE. Patented Nov. 8, 1932.

Pat. 1,887,617. HEEL-SEAT FORMING MACHINE FOR OFF-THE-LAST WORK. Patented Nov. 15, 1932.

Pat. 1,888,294. WOOD HEEL MACHINE. Patented Nov. 22, 1932.

Pat. 1,889,219. STAPLE FORMING AND INSERTING MACHINE. Patented Nov. 29, 1932.

Pat. 1,889,234. METHOD AND MACHINE FOR FORMING HEEL SEATS OF SHOES. Patented Nov. 29, 1932.

Pat. 1,889,242. FOLDING MACHINE. Patented Nov. 29, 1932.

Pat. 1,889,249. HEEL BREAST FLAP TRIMMING MACHINE. Patented Nov. 29, 1932.

Pat. 1,890,644. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Dec. 13, 1932.

Pat. 1,891,264. MACHINE FOR OPERATING ON SOLES. Patented Dec. 20, 1932.

Pat. 1,891,271. CHANNELING MACHINE. Patented Dec. 20, 1932.

Pat. 1,895,896. MACHINE FOR OPERATING UPON THE HEEL PORTIONS OF SHOES. Patented Jan. 31, 1933.

Pat. 1,896,121. MACHINE FOR SHAPING SHOE UPPERS. Patented Feb. 7, 1933.

Pat. 1,896,125. HEEL ATTACHING MACHINE. Patented Feb. 7, 1933.

Pat. 1,897,037. MACHINE FOR SHAPING SHOE UPPERS. Patented Feb. 14, 1933.

Pat. 1,897,086. MACHINE FOR SHAPING SHOES. Patented Feb. 14, 1933.

Pat. 1,897,680. WOOD HEEL MACHINE. Patented Feb. 14, 1933.

Pat. 1,898,144. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Feb. 21, 1933.

Pat. 1,899,047. MACHINE FOR GROOVING HEELS. Patented Feb. 28, 1933.

Pat. 1,899,077. FOLDING MACHINE AND METHOD. Patented Feb. 28, 1933.

Pat. 1,899,245. FOLDING MACHINE AND METHOD. Patented Feb. 28, 1933.

Pat. 1,900,044. LIP TURNING MACHINE. Patented Mar. 7, 1933.

Pat. 1,901,063. GUARD FOR WOOD HEEL TURNING MACHINES. Patented Mar. 14, 1933.

Pat. 1,901,140. METHOD OF AND MACHINE FOR SOLE FITTING. Patented Mar. 14, 1933.

Pat. 1,901,167. MACHINE FOR INSERTING FASTENINGS. Patented Mar. 14, 1933.

Pat. 1,903,278. HEEL COVERING APPARATUS. Patented Apr. 4, 1933.

Pat. 1,903,849. MACHINE FOR OPERATING ON TENNIS SHOES. Patented Apr. 18, 1933.

Pat. 1,904,314. FASTENING INSERTING MACHINE. Patented Apr. 18, 1933.

Pat. 1,904,323. MACHINE FOR SLOTTING HEELS. Patented Apr. 18, 1933.

Pat. 1,904,327. APPARATUS FOR AND METHOD OF ATTACHING SHOE LININGS. Patented Apr. 18, 1933.

Pat. 1,904,346. HEEL BREASTING MACHINE. Patented Apr. 18, 1933.

Pat. 1,905,184. SHOE SUPPORTING JACK. Patented Apr. 25, 1933.

Pat. 1,905,297. FASTENING-PULLING MACHINE. Patented Apr. 25, 1933.

Pat. 1,907,678. CENTERING DEVICE FOR HEEL BLOCKS. Patented May 9, 1933.

Pat. 1,907,837. MACHINE FOR USE IN OPERATING UPON THE BOTTOMS OF BOOTS AND SHOES. Patented May 9, 1933.

Pat. 1,909,161. CLICKING MACHINE. Patented May 16, 1933.

Pat. 1,911,283. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented May 30, 1933.

Pat. 1,911,449. MACHINE FOR OPERATING ON SHOES. Patented May 30, 1933.

Pat. 1,912,491. BUFFING MACHINE. Patented June 6, 1933.

Pat. 1,912,526. FOXING CEMENTING MACHINE. Patented June 6, 1933.

Pat. 1,912,528. BUFFING MACHINE. Patented June 6, 1933.

Pat. 1,912,825. APPARATUS FOR FINISHING BOOTS AND SHOES. Patented June 6, 1933.

Pat. 1,914,416. METHOD AND MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented June 20, 1933.

Pat. 1,914,442. MACHINE FOR OPERATING UPON SHOES. Patented June 20, 1933.

Pat. 1,915,574. TREE OR TREE FOOT. Patented June 27, 1933.

Pat. 1,915,928. SOLE EDGE WAXING MACHINE. Patented June 27, 1933.

Pat. 1,916,263. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented July 4, 1933.

Pat. 1,917,337. HOLDER FOR HEEL PORTIONS. Patented July 11, 1933.

Pat. 1,918,274. LASTING MACHINE. Patented July 18, 1933.

Pat. 1,918,321. ABRADING MACHINE. Patented July 18, 1933.

Pat. 1,921,097. FASTENING INSERTING MACHINE. Patented Aug. 8, 1933.

Pat. 1,922,117. COATING MACHINE. Patented Aug. 15, 1933.

Pat. 1,922,134. FINISHING MACHINE. Patented Aug. 15, 1933.

Pat. 1,924,226. METHOD OF AND MACHINE FOR PREPARING SHOE STIFFENERS. Patented Aug. 29, 1933.

Pat. 1,924,243. MACHINE FOR APPLYING HEEL COVERS. Patented Aug. 29, 1933.

Pat. 1,926,150. TRIMMING MACHINE. Patented Sept. 12, 1933.

Pat. 1,926,152. IMPRESSION COATING MACHINE. Patented Aug. 12, 1933.

Pat. 1,926,153. HEEL-CHANNELING MACHINE. Patented Sept. 12, 1933.

Pat. 1,927,064. FOXING TREATING MACHINE. Patented Sept. 19, 1933.

Pat. 1,927,954. BOX TOE CONDITIONING MACHINE. Patented Sept. 26, 1933.

Pat. 1,928,689. MACHINE FOR TREATING HEELS. Patented Oct. 3, 1933.

Pat. 1,928,694. CEMENTING MACHINE. Patented Oct. 3, 1933.

Pat. 1,929,550. SHOE SHAPING MACHINE. Patented Oct. 10, 1933.

Pat. 1,930,489. SKIVING MACHINE. Patented Oct. 17, 1933.

Pat. 1,930,599. WOOD HEEL MACHINE. Patented Oct. 17, 1933.

Pat. 1,931,561. MACHINE FOR SHAPING SHOES. Patented Oct. 24, 1933.

Pat. 1,931,563. MACHINE FOR AND METHOD OF MAKING SHOES. Patented Oct. 24, 1933.

Pat. 1,932,395. BLACKING MACHINE. Patented Oct. 31, 1933.

Pat. 1,932,542. MACHINE FOR APPLYING CEMENT. Patented Oct. 31, 1933.

Pat. 1,932,549. WORK SUPPORT. Patented Oct. 31, 1933.

Pat. 1,932,551. SHOE HOLDER. Patented Oct. 31, 1933.

Pat. 1,933,594. FASTENING SUPPLYING MECHANISM. Patented Nov. 7, 1933.

Pat. 1,933,665. LEATHER BUFFING MACHINE. Patented Nov. 7, 1933.

Pat. 1,934,733. MARKING MACHINE. Patented Nov. 14, 1933.

Pat. 1,935,833. METHOD OF AND APPARATUS FOR COVERING ARTICLES WITH SHEET METAL. Patented Nov. 21, 1933.

Pat. 1,936,952. MACHINE FOR SHAPING SHOES. Patented Nov. 28, 1933.

Pat. 1,937,815. EVENING AND GRADING MACHINE. Patented Dec. 5, 1933.

Pat. 1,937,824. HEEL COVER TUCKING MACHINE. Patented Dec. 5, 1933.

Pat. 1,937,825. STAPLE FORMING MECHANISM. Patented Dec. 5, 1933.

Pat. 1,937,827. SKIVING MACHINE. Patented Dec. 5, 1933.

Pat. 1,938,682. SOLE FITTING MACHINE. Patented Dec. 12, 1933.

Pat. 1,940,761. FASTENING-PULLING MACHINE. Patented Dec. 26, 1933.

Pat. 1,943,411. MACHINE FOR OPERATING ON SHOES. Patented Jan. 16, 1934.

Pat. 1,943,413. MACHINE FOR TRIMMING COVERS OF HEELS. Patented Jan. 16, 1934.

Pat. 1,943,430. ROUGHING MACHINE FOR SHOE PARTS. Patented Jan. 16, 1934.

Pat. 1,943,441. PERFORATING MACHINE. Patented Jan. 16, 1934.

Pat. 1,943,442. MACHINE FOR COATING SHEET MATERIAL. Patented Jan. 16, 1934.

Pat. 1,944,311. SKIVING MACHINE. Patented Jan. 23, 1934.

Pat. 1,944,319. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Jan. 23, 1934.

Pat. 1,944,882. SOLE LAYING MACHINE. Patented Jan. 30, 1934.

Pat. 1,945,519. COATING MACHINE. Patented Feb. 6, 1934.

Pat. 1,945,640. FOXING TREATING MACHINE. Patented Feb. 6, 1934.

Pat. 1,946,797. CEMENTING MACHINE. Patented Feb. 13, 1934.

Pat. 1,950,569. LASTING MACHINE. Patented Mar. 13, 1934.

Pat. 1,952,177. SKIVING MACHINE. Patented Mar. 27, 1934.

Pat. 1,953,250. FASTENER SUPPLYING APPARATUS. Patented Apr. 3, 1934.

Pat. 1,954,035. FINISHING MACHINE. Patented Apr. 10, 1934.

Pat. 1,955,870. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Apr. 24, 1934.

Pat. 1,956,556. MACHINE FOR PERFORMING FINISHING OPERATIONS. Patented May 1, 1934.

Pat. 1,956,684. WORK SUPPORTING AND ATTACHING MEANS. Patented May 1, 1934.

Pat. 1,956,685. LASTING MACHINE. Patented May 1, 1934.

Pat. 1,956,800. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented May 1, 1934.

Pat. 1,956,815. WORK SUPPORTING AND ATTACHING MEANS. Patented May 1, 1934.

Pat. 1,957,463. FASTENER INSERTING MACHINE. Patented May 8, 1934.

Pat. 1,957,574. SHOE BUTTONING MACHINE. Patented May 8, 1934.

Pat. 1,957,581. SHOE SUPPORT. Patented May 8, 1934.

Pat. 1,957,590. DEVICE FOR PRESSING SHEET MATERIAL. Patented May 8, 1934.

Pat. 1,959,386. MACHINE FOR TREATING FRENCH BINDING WORK. Patented May 22, 1934.

Pat. 1,959,565. EXPANSIBLE LAST FORM FOR ATTACHING SOLES TO SHOES. Patented May 22, 1934.

Pat. 1,959,583. SOLE MARKING MACHINE. Patented May 22, 1934.

Pat. 1,959,593. MACHINE FOR OPERATING UPON SHOE BOTTOMS. Patented May 22, 1934.

Pat. 1,959,602. PERFORATING MACHINE. Patented May 22, 1934.

Pat. 1,960,289. SCOURING MACHINE. Patented May 29, 1934.

Pat. 1,960,327. ABRADING MACHINE. Patented May 29, 1934.

Pat. 1,960,340. SHOE SUPPORTING JACK. Patented May 29, 1934.

Pat. 1,961,355. SOLE FITTING MACHINE AND METHOD OF SOLE FITTING. Patented June 5, 1934.

Pat. 1,962,148. COATING MACHINE. Patented June 12, 1934.

Pat. 1,962,242. SUPPLYING MECHANISM. Patented June 12, 1934.

Pat. 1,962,245. SHOE BOTTOM FINISHING MACHINE. Patented June 12, 1934.

Pat. 1,962,315. MACHINE FOR TREATING SHOE PARTS. Patented June 12, 1934.

Pat. 1,962,529. TAPING MACHINE. Patented June 12, 1934.

Pat. 1,963,203. BREAST GROOVING AND LIP FORMING MACHINE FOR HEELS. Patented June 19, 1934.

Pat. 1,963,209. HEEL-SEAT FITTING MACHINE. Patented June 19, 1934.

Pat. 1,964,004. FASTENING INSERTING MACHINE. Patented June 26, 1934.

Pat. 1,964,024. PRESSER MEMBER. Patented June 26, 1934.

Pat. 1,964,026. SHOE SUPPORT. Patented June 26, 1934.

Pat. 1,964,043. BUFFING MACHINE. Patented June 24, 1934.

Pat. 1,964,065. COATING MACHINE. Patented June 26, 1934.

Pat. 1,964,833. PAD BOX. Patented July 3, 1934.

Pat. 1,965,149. PAD BOX. Patented July 3, 1934.

Pat. 1,965,631. COATING APPARATUS. Patented July 10, 1934.

Pat. 1,965,667. INSEAM CEMENTING. Patented July 10, 1934.

Pat. 1,966,076. SOLE MARKING MACHINE. Patented July 10, 1934.

Pat. 1,966,462. MACHINE FOR EFFECTING RELATIVE MOVEMENT BETWEEN LASTS AND SHOES. Patented July 17, 1934.

Pat. 1,966,483. WOOD HEEL ATTACHING MACHINE. Patented July 17, 1934.

Pat. 1,966,521. BUFFING TOOL. Patented July 17, 1934.

Pat. 1,967,327. METHOD OF AND MACHINE FOR CHANNELING SOLES. Patented July 24, 1934.

Pat. 1,968,167. MEANS FOR USE IN THE MANUFACTURE OF SHOES. Patented July 31, 1934.

Pat. 1,968,170. MEANS FOR HOLDING SHOE UPPERS IN LASTED POSITION. Patented July 31, 1934.

Pat. 1,968,900. MARKING MACHINE. Patented Aug. 7, 1934.

Pat. 1,970,097. HEEL ATTACHING MACHINE. Patented Aug. 14, 1934.

Pat. 1,971,475. SOLE FITTING MACHINE. Patented Aug. 28, 1934.

Pat. 1,971,478. BLACKING MACHINE. Patented Aug. 28, 1934.

Pat. 1,971,484. TAPE APPLYING MACHINE. Patented Aug. 28, 1934.

Pat. 1,972,859. ROUGHENING MACHINE. Patented Sept. 11, 1934.

Pat. 1,973,054. FLUID APPLYING MACHINE. Patented Sept. 11, 1934.

Pat. 1,973,067. MACHINE FOR OPERATING ON SHOE PARTS. Patented Sept. 11, 1934.

Pat. 1,974,206. LASTING MACHINE. Patented Sept. 18, 1934.

Pat. 1,974,511. WORK HOLDER. Patented Sept. 25, 1934.

Pat. 1,975,468. FASTENING INSERTING MACHINE. Patented Oct. 2, 1934.

Pat. 1,975,995. SOLE FITTING MACHINE. Patented Oct. 9, 1934.

Pat. 1,976,763. HEEL SLOTTING MACHINE. Patented Oct. 16, 1934.

Pat. 1,976,764. HEEL SLOTTING MACHINE. Patented Oct. 16, 1934.

Pat. 1,976,815. METHOD OF AND APPARATUS FOR SOLE EDGE TRIMMING. Patented Oct. 16, 1934.

Pat. 1,977,132. LASTING MACHINE. Patented Oct. 16, 1934.

Pat. 1,978,538. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Oct. 30, 1934.

Pat. 1,979,000. LASTING FOOTWEAR. Patented Oct. 30, 1934.

Pat. 1,979,381. SHOE ROUGHING TOOL. Patented Nov. 6, 1934.

Pat. 1,979,386. HEEL SEAT FITTING MACHINE. Patented Nov. 6, 1934.

Pat. 1,979,395. FASTENING INSERTING MACHINE. Patented Nov. 6, 1934.

Pat. 1,980,340. SOLE PRESSING MACHINE. Patented Nov. 13, 1934.

Pat. 1,981,006. FRENCH-BINDING STRAIGHTENING AND CEMENTING MACHINE. Patented Nov. 20, 1934.

Pat. 1,981,899. PROCESS AND APPARATUS FOR PREPARING THE HEEL END OF A SOLE. Patented Nov. 27, 1934.

Pat. 1,981,956. LATEX APPLYING TOP CEMENTING MACHINE. Patented Nov. 27, 1934.

Pat. 1,982,744. ASSEMBLING MACHINE. Patented Dec. 4, 1934.

Pat. 1,982,755. STAPLE PULLING MACHINE. Patented Dec. 4, 1934.

Pat. 1,983,591. MACHINE FOR SHAPING HEEL-BREAST COVERING FLAPS. Patented Dec. 11, 1934.

Pat. 1,984,453. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Dec. 18, 1934.

Pat. 1,985,482. MACHINE FOR APPLYING CEMENT. Patented Dec. 25, 1934.

Pat. 1,985,524. SYSTEM FOR DELIVERING SHEET MATERIAL. Patented Dec. 25, 1934.

Pat. 1,986,822. COATING MACHINE. Patented Jan. 8, 1935.

Pat. 1,986,946. SHOEMAKING. Patented Jan. 8, 1935.

Pat. 1,987,827. METHOD OF AND APPARATUS FOR PREPARING SOLES FOR BOOTS AND SHOES. Patented Jan. 15, 1935.

Pat. 1,987,829. METHOD OF AND MEANS FOR COATING ARTICLES. Patented Jan. 15, 1935.

Pat. 1,988,074. FOXING CEMENTING MACHINE. Patented Jan. 15, 1935.

Pat. 1,989,882. CHANNEL FLAP TURNING AND PRESSING MACHINE. Patented Feb. 5, 1935.

Pat. 1,990,321. MARKING MACHINE. Patented Feb. 5, 1935.

Pat. 1,991,446. TRIMMING MACHINE. Patented Feb. 19, 1935.

Pat. 1,991,458. MACHINE FOR USE IN MANUFACTURING SHOES. Patented Feb. 19, 1935.

Pat. 1,992,274. SHOE PRESSING MACHINE. Patented Feb. 26, 1935.

Pat. 1,992,936. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Mar. 5, 1935.

Pat. 1,993,119. MACHINE FOR OPERATING UPON SOLES. Patented Mar. 5, 1935.

Pat. 1,993,293. MACHINE FOR REDUCING HEEL-BREAST COVERING FLAPS. Patented Mar. 5, 1935.

Pat. 1,993,952. HEEL BREAST SCOURING MACHINE. Patented Mar. 12, 1935.

Pat. 1,994,299. THREAD GUIDE FOR SHOE UPPER LACING MACHINES. Patented Mar. 12, 1935.

Pat. 1,994,580. FRENCH BINDING STRAIGHTENING MACHINE. Patented Mar. 19, 1935.

Pat. 1,994,584. SPLITTING MACHINE. Patented Mar. 19, 1935.

Pat. 1,995,303. METHOD AND MACHINE FOR USE IN THE MANUFACTURE OF SHOES AND PRODUCT THEREOF. Patented Mar. 26, 1935.

Pat. 1,995,326. METHOD OF AND MACHINE FOT FITTING SOLES. Patented Mar. 26, 1935.

Pat. 1,996,103. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Apr. 2, 1935.

Pat. 1,996,863. METHOD OF AND MACHINE FOR FINISHING THE EDGES OF SHEET MATERIAL. Patented Apr. 9, 1935.

Pat. 1,997,732. METHOD AND MEANS FOR USE IN LASTING SHOES. Patented Apr. 16, 1935.

Pat. 1,999,275. BUFFING MACHINE. Patented Apr. 30, 1935.

Pat. 1,999,291. ABRADING MACHINE. Patented Apr. 30, 1935.

Pat. 2,000,128. HEEL COVERING MACHINE. Patented May 7, 1935.

Pat. 2,000,139. FASTENER SUPPLYING MECHANISM. Patented May 7, 1935.

Pat. 2,000,921. MARKING MACHINE. Patented May 14, 1935.

Pat. 2,000,936. METHOD OF AND MACHINE FOR PERFORMING OPERATIONS UPON SHOE PARTS. Patented May 14, 1935.

Pat. 2,000,940. EDGING MACHINE. Patented May 14, 1935.

Pat. 2,000,963. OUTSOLE REMOVING MACHINE. Patented May 14, 1935.

Pat. 2,002,522. MACHINE FOR ROUGHING SHOE PARTS. Patented May 28, 1935.

Pat. 2,003,015. SHOE SUPPORTING JACK. Patented May 28, 1935.

Pat. 2,003,338. COVER TRIMMING MACHINE. Patented June 4, 1935.

Pat. 2,003,369. SKIVING MACHINE. Patented June 4, 1935.

Pat. 2,003,512. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented June 4, 1935.

Pat. 2,005,040. MACHINE FOR SLITTING COVERS ATTACHED TO HEELS. Patented June 18, 1935.

Pat. 2,005,720. SHOE SUPPORT. Patented June 25, 1935.

Pat. 2,006,486. NAIL DISTRIBUTOR. Patented July 2, 1935.

Pat. 2,007,278. MEANS AND METHOD FOR USE IN LASTING SHOES. Patented July 9, 1935.

Pat. 2,007,280. CEMENTING MACHINE. Patented July 9, 1935.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JUNE, 1947

CARBOLOY COMPANY, INC., *v.* GENERAL AIRCRAFT EQUIPMENT, INC. (PANELECTRIC CORPORATION, ASSIGNEE, SUBSTITUTED), Opposition No. 24,180.

In a decision rendered June 3, 1947 (169 Ms. Dec. 343, 73 USPQ 447), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Carboloy Company, Inc., of Detroit, Mich., to the application of General Aircraft Equipment, Inc., (Panelectric Corporation, Assignee, Substituted), of South Norwalk, Conn., for registration of the word "Tuncarloy" as a trade-mark for metal cutting machine tools, namely: solid tool bits, tipped tool bits, cutters, drills, taps, reamers, and partly finished solid tool bits, tipped tool bits, cutters, drills, taps and reamers; applicant claiming to have used the mark since July 14, 1944.

After noting that the case was submitted upon a stipulation of facts, from which it appears that opposer is the owner of the trade-mark "Carboloy," appropriated to substantially identical merchandise, and registered February 2, 1943, it was held that opposer's priority of use is thus established, and the only question to be determined is whether or not the marks of the parties bear such close resemblance as to be likely to confuse the public or to deceive purchasers.

In response to applicant's argument that in view of the discriminating class of purchasers to whom the goods are sold, confusion is unlikely, it was held that there is no evidence to support applicant's assertion that sales are confined to the technically educated tool engineer and production executive and the propriety of assuming the existence of facts of this character is, to say the least, very questionable; moreover, the fact that the merchandise is sold to a discriminating class of purchasers, if established, would not be controlling here if the contested marks so nearly resemble one another as to be likely to cause confusion.

It was held, resolving doubts against the newcomer, that the Examiner of Interferences was right in sustaining the opposition since applicant's mark includes the first and last syllables of opposer's mark, and while it may be, as applicant contends, that the syllable "loy" would be regarded by purchasers as an abbreviation of the word "alloy," its suggestiveness is precisely the same in both marks; as is also that of the common syllable "car," which to many would doubtless suggest carbon or carbide, so that the two marks "Tuncarloy" and "Carboloy" do not differ greatly in significance, and the cadence or lilt of one when uttered is quite similar to that of the other.

EPSTEIN UNDERWEAR CO. *v.* FINETEX ELASTIC WEBBING CO., Opposition No. 24,085.

In a decision rendered June 4, 1947 (169 Ms. Dec. 345, 73 USPQ 448), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Epstein Underwear Co., of New York, N. Y., to the application of Finetex Elastic Webbing Co., of Union City, N. J., for registration of the notation "Lori-Lou" as a trade-mark for ladies' undergarments consisting of girdles, corsets, and brassières. No testimony was taken by either party, but in lieu thereof a stipulation as to facts was filed, stipulating that applicant's mark has been used since November, 1943, and that since May, 1936, opposer has continuously manufactured and sold women's and misses' pajamas, nightgowns, petticoats, slips, panties, bandeaux and bloomers in interstate commerce under the trade-mark "Laura Lane."

It was held, resolving doubts in opposer's favor in accordance with the familiar rule, that the Examiner of Interferences properly sustained the opposition since "Lori-Lou" and "Laura Lane" are too nearly alike to be used concurrently on such closely related merchandise without a reasonable likelihood of confusion; they bear some resemblance in appearance, both suggest feminine names, and they are strikingly alliterative.

It was further held that it now appears that applicant has used its mark on girdles only; and if on further appeal the mark is held to be registrable, an appropriate amendment to the description of goods will be required before a certificate issues.

ABBOTT LABORATORIES *v.* AYERST, MCKENNA & HARRISON LIMITED, Opposition No. 24,306.

In a decision rendered June 6, 1947 (169 Ms. Dec. 346, 73 USPQ 489), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Abbott Laboratories, of Chicago, Ill., to the application of Ayerst, McKenna & Harrison Limited, of New York, N. Y., for registration of the word "Ecoferol," claimed to have been used since December 26, 1944, as a trade-mark for vitamin E in dosage form on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Natopherol," registered April 1, 1941, for a vitamin preparation.

After noting that obviously the goods of the parties are of the same descriptive properties and that applicant so concedes, in response to applicant's argument that the marks are not confusable, because their common portion means "tocopherol," and is therefore not only open to applicant but to anyone else in the vitamin field, it was held, however, that in availing itself of the right to use what it calls "a phonetic or shortened connotation" of the word "tocopherol," applicant has not so devised its entire mark as to distinguish from the registered mark upon which opposer relies; "Natopherol" and "Ecoferol," each viewed as a whole, do not differ sufficiently in appearance, sound, or significance, to insure against confusion in relation to the particular merchandise here involved; and opposer must be presumed to own its mark as registered, even though applicant asserts that this sort of a holding coupled with the very broad description of goods in the registration of opposer sets up a complete monopoly which ought not to be permitted.

EX PARTE ALEXANDER KONO (THE KONO MANUFACTURING COMPANY, ASSIGNEE, SUBSTITUTED), Serial No. 451,308.

In a decision rendered June 11, 1947 (169 Ms. Dec. 351, 73 USPQ 489), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Alexander Kono (The Kono Manufacturing Company, Assignee, Substituted), of Woodside, L. I., N. Y., the word "Wingers" as a trade-mark for eyeglass and spectacle frames and parts therefor, including nosepieces, temples, and the like, of metal, shell, and various plastic compositions, use of the mark being claimed since December 24, 1941. The application was rejected in view of the trade-mark "Wings" registered January 27, 1942, on an application filed September 23, 1941, for goggles and sunglasses and parts therefor consisting of eye protection lenses and frames.

After noting that the record indicates that the owner of the registered mark temporarily discontinued its use during the war and probably before the instant application was filed, in response to applicant's argument that the abandonment of a registered trade-mark for the entire duration of the war precludes the prior registrant from preventing the use and registration of a trade-mark to another who had continuously used such trade-mark during said period of the war, it was held that mere nonuse of a registered trade-mark does not impair its efficacy as a reference.

It was further held that applicant's goods and those named in the registration are of substantially identical descriptive properties and while there are arguable differences between the two marks, they are too nearly alike to be used concurrently without a reasonable likelihood of confusion.

EX PARTE VAN RAALTE COMPANY INC., Serial No. 479,315.

In a decision rendered June 11, 1947 (169 Ms. Dec. 350, 73 USPQ 490), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register under the act of 1905 on the application of Van Raalte Company, Inc., of New York, N. Y., the expression "because you love nice things" as a trade-mark for women's, misses' and children's slips, gloves, hosiery, lingerie, and underwear, on the ground that it was descriptive of the goods to which appropriated.

It was held that certainly the mark informs the purchaser, rightly or wrongly, that the articles upon which it appears are "nice things," and to that extent, at least, it is descriptive.

It was further held that the notation inherently cannot function as a trade-mark.

WOOL NOVELTY CO., INC. (WOOLFOAM CORPORATION, ASSIGNEE, SUBSTITUTED) *v.* SWIFT AND COMPANY, Opposition No. 24,178.

In a decision rendered June 13, 1947 (169 Ms. Dec. 353, 73 USPQ 491), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Wool Novelty Co., Inc. (Woolfoam Corporation, Assignee, Substituted), of New York, N. Y., to the application of Swift and Company, of Chicago, Ill., for registration of the notation "Wool Soap," under the ten-year proviso of the act of February 20, 1905, as a trade-mark for toilet and bath soaps and soap in flake form.

The Examiner held that upon the basis of an expired certificate of registration issued to one Bryan in 1896 for cakes of soap, the mark of this registration being a pictorial representation of a sheep standing between the words "Santa" and "Soap," printed vertically with the word "Woolen" printed horizontally across its side, that the registration constitutes statutory evidence of ownership and use during its existence as a statutory registration and that the registered mark is so similar to applicant's mark that applicant may not be said to have exclusive use of its notation during the ten-year critical period.

After noting that the Bryan registration was issued under the act of March 3, 1881, which required use by the applicant in foreign commerce or commerce with Indian tribes as a prerequisite to registration, but made no reference to domestic use, it was held that the Bryan registration is not necessarily inconsistent with the sworn statement of applicant's vice-president that applicant's use of the mark was exclusive for applicant's claim of exclusive use relates only to commerce among the several states of the United States, and for all that appears Bryan's mark was never so used.

After referring to the fact that the same mark was registered to applicant in 1901 for toilet and laundry soaps, after citation and withdrawal of the Bryan reference, it was held that the inference is inescapable that the Examiner concluded there was not such near resemblance between the two marks as to be likely to cause confusion and mistake

in the mind of the public, or to deceive purchasers, and while that conclusion is not binding here, the fact remains that applicant was thereby encouraged to continue the exploitation of its mark over a period of some forty-odd years, as the result of which it has acquired considerable value as a business asset so that under these circumstances, all reasonable doubt as to the propriety of the registration should be resolved in applicant's favor, and, so resolving doubts, that the opposition should have been dismissed.

THE BORDEN COMPANY *v.* WASON BROS. CO., Cancellation No. 4551.

In a decision rendered June 13, 1947 (169 Ms. Dec. 355, 73 USPQ 492), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of The Borden Company, of New York, N. Y., based upon its ownership of the trade-mark "Melorol" registered October 4, 1932, under the act of 1905 for ice cream, water ice, sherbet, and similar frozen confections, to cancel trade-mark registration No. 412,589, issued March 13, 1945, under the provisions of the act of March 19, 1920, to Wason Bros. Co., of Seattle, Wash., the mark of the registration sought to be canceled being the notation "Mello Spred," printed in two lines, appropriated to imitation maple syrup.

It was held that the goods of the parties are doubtless of the same descriptive properties but obviously they differ widely in their essential characteristics and these differences must be considered in determining whether or not the marks are confusable.

It was held that as respectively applied to the particular goods involved, there is no reasonable likelihood of confusion between the purely descriptive expression "Mello Spred," and the essentially arbitrary trade-mark "Melorol" which while somewhat suggestive, has no descriptive significance as applied to petitioner's goods and does not bear any particular resemblance to respondent's mark save in the sound of the first two syllables; and surely petitioner's registration does not carry with it a monopoly of a word so commonly used in the food industry as "mellow."

EX PARTE SONN GLOVES, Serial No. 484,465.

In a decision rendered June 18, 1947 (169 Ms. Dec. 356; 73 USPQ 530), *First Assistant Commissioner Frazer* affirmed the action of the Examiner rejecting the application of Sonn Gloves, of New York, N. Y., for registration of the notation "Sonn-Ette Fitwell," printed in two lines, appropriated to gloves. The Examiner relied upon three prior registrations of similar marks for goods which he considered to be of the same descriptive properties.

After noting that two of the registered marks relied upon by the Examiner are "Sonette" for ladies' undergarments and "Sunnette" for swimming suits, it was held that in a broad sense of the term these goods and applicant's are probably of the same descriptive properties, but since the marks differ somewhat from applicant's mark, the differences in merchandise are sufficient to obviate any reasonable likelihood of confusion.

After noting that the third mark cited is a composite mark dominated by the word "Sonnet" for men's hats, it was held that it seems highly probable that the sale of men's hats and men's gloves would lead purchasers to believe that the two items were of common origin; "Sonnet" and the "Sonn-Ette" portion of applicant's mark look alike and are practically indistinguishable in sound; the word "Fitwell" as applied to gloves is so purely descriptive as to be without trade-mark significance.

After noting that "Sonn" is a surname not distinctively displayed, which applicant has offered to disclaim apart from the mark as shown, it was held that such disclaimer, if entered, would not serve to avoid confusion.

LEVER BROTHERS COMPANY *v.* GEO. A. HORMEL & COMPANY, Opposition No. 24,423.

In a decision rendered June 18, 1947 (169 Ms. Dec. 357, 73 USPQ 529), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Lever Brothers Company, of Cambridge, Mass., to the application of Geo. A. Hormel & Company, of Austin, Minn., for registration of the word "Spic," which has been used as a trade-mark for animal fat shortening since February 22, 1945. The Examiner of Interferences had sustained the opposition on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Spry" registered for vegetable shortening on June 14, 1932.

It was held that the goods of the parties are not identical, but obviously they comprise closely related merchandise of the same descriptive properties and save for the possible exception of the kosher trade are directly competitive but, nevertheless, the marks are not confusable because of the dissimilarities of the marks in appearance, sound and meaning.

Although the Examiner correctly pointed out that both parties use a one-syllable, four-letter notation, the first two letters of which are identical, nevertheless, it was held that the marks appeal to the ocular sense in a different way; they are distinctly different in sound; and they have no similarity in meaning; moreover, the word "Spry," while fanciful as applied to opposer's product, is commonly used in everyday conversation and is thus less likely to be confused with other words than if it were less familiar to the public; and the word "spick," of which applicant's mark is obviously a contraction, is equally well known.

EX PARTE DETROIT TAP & TOOL COMPANY, Serial No. 458,960.

In a decision rendered June 19, 1947 (169 Ms. Dec. 360, 73 USPQ 530), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to the Detroit Tap & Tool Company, of Detroit, Mich., under the provisions of the act of February 20, 1905, a mark consisting in the word "Detroit," with a representation of a tap projecting through the enlarged letter "O," the goods to which it is appropriated including taps, and there being a disclaimer of the word "Detroit" and the representation of a tap apart from the mark shown, on the ground that the mark is dominated by a disclaimed geographical term.

In response to applicant's argument that the mark is distinctive and capable of indicating origin, it was held that distinctiveness of display adds nothing to the registrability of either descriptive or geographical matter nor does the combination of two such nonregistrable elements.

It was held that a geographical name or term incorporated in a composite mark must be disclaimed, as must also a descriptive feature and that no mark should be accepted for registration under the act of 1905 unless it includes at least one element that is registrable without disclaimer.

In response to applicant's argument that its mark is clearly capable of indicating origin, it was held that, if so, it is registrable only under the act of 1920.

CAMPANA CORPORATION *v.* HAROLD P. WILLATS (COLONIAL DAMES, INC., ASSIGNEE, SUBSTITUTED), Cancellation No. 4569.

In a decision rendered June 19, 1947 (169 Ms. Dec. 359, 73 USPQ 531), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of Campana Corporation, of Batavia, Ill., based upon its ownership of the trade-mark "Campana," previously registered for similar merchandise, to cancel trade-mark registration No. 386,266 for numerous cosmetics, issued April 1, 1941, under the provisions of the act of February 20, 1905, to Harold P. Willats (Colonial Dames, Inc., Assignee, Substituted), of Hollywood, Calif., respondent's mark being the word "Campus," displayed in association with representations of a building and a college pennant. The Examiner had sustained the petition on the ground that the two marks bear such near resemblance as to be likely to cause confusion, and also on the ground that respondent's mark constitutes a partial appropriation of petitioner's corporate name.

After noting that petitioner took no testimony, it was held that respondent's testimony tends strongly to prove that no confusion has occurred and that none is likely and while such proof may not be accepted as conclusive, it strengthens the conviction that the petition to cancel should have been dismissed.

It was held that "Campana" does not approach "Campus" in meaning and when the two words are considered in their entirety, they do not have the same appearance or the same sound.

It was held that it seems too obvious to merit discussion that "Campus" is not petitioner's name or even a partial appropriation thereof.

It was further held that petitioner has failed to prove itself injured by the registration of respondent's mark and that upon the record presented such injury may not properly be presumed.

EX PARTE NATHAN GILBERT & SON, Serial No. 452,645.

In a decision rendered June 20, 1947 (169 Ms. Dec. 362, 73 USPQ 533), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks rejecting the application of Nathan Gilbert & Son, of Detroit, Mich., to register a mark for potatoes in their natural state, the notation being "Red Robin Hood" printed above what the Examiner calls a grotesque figure of an archer, in view of cited registrations.

It was held, in view of applicant's position in its brief conceding that if the goods covered by the various registrations were the same as the goods of the applicant, that there is no doubt that the marks would be confusingly similar, that only the most pertinent registered mark relied upon by the Examiner need be discussed. This mark is the name "Robin Hood," likewise printed above the figure of an archer, which archer is somewhat less grotesque than applicant's, and the word "Red" does not occur in the mark, the goods named in the registration being canned fruits and canned vegetables.

It was held that otherwise the two marks are so nearly alike that either may readily be mistaken for the other.

It was further held that the sale of both products under similar trade-marks would promote the possibility of confusion as to the origin thereof.

EX PARTE COLUMBIA-WALESCRAFT CO., Serial No. 464,474.

In a decision rendered June 20, 1947 (169 Ms. Dec. 363, 73 USPQ 532), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register under the act of March 19, 1920, to Columbia-Walescraft Co., of New York, N. Y., the word "Scotch" as a trade-mark for billfolds, wallets, key cases, card cases, pass cases and change purses, in view of a prior registration of the word "Scottie" as a trademark for pocket coin holders.

In response to applicant's assertion that upon direct inquiry, it was informed that the registrant was using the trade-mark "Scottie" in connection with small metal savings banks and coin holders, it

was held that even if that be construed to mean that the registered mark is not being used on the goods named in the registration, applicant's case is not strengthened and that since pocket coin holders and change purses differ in name only, applicant's goods and those of the registrant must be regarded as being in part identical.

It was further held that as applied to such goods, the trade-marks "Scotch" and "Scottie" are too nearly alike to be used concurrently without a reasonable likelihood of confusion; they do not differ greatly in appearance or in sound; and they are quite similar in meaning for a Scottie is a Scotchman and a Scotchman is necessarily Scotch.

EX PARTE WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY (BY CHANGE OF NAME WESTINGHOUSE ELECTRIC CORPORATION), Serial No. 476,267.

In a decision rendered June 23, 1947 (169 Ms. Dec. 364, 73 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Westinghouse Electric & Manufacturing Company (by change of name Westinghouse Electric Corporation), of East Pittsburgh, Pa., and Baltimore, Md., the word "Fluorothin" as a trade-mark for electrical illuminating apparatus for viewing film negatives, use of the mark being claimed since September 29, 1944, in view of the trade-mark "Fluoroline," registered August 11, 1942, for illuminating apparatus, namely, film viewers.

After noting that applicant concedes that the goods of the registration and its own have the same descriptive properties, in response to applicant's argument that there is no likelihood that confusion would result from the concurrent use of the two marks, since apparatus of the character in question is purchased only by discriminating scientific people who would readily discern the apparatus of the respective manufacturers by their individual characteristics or constructional features so that such goods would be readily distinguishable even if no trade-marks were employed and that the prefix "Fluoro" has become more or less publici juris particularly in the class of goods in which applicant seeks registration, and that, therefore, the suffix is controlling, it was held that the fact that the merchandise is sold to a discriminating class of purchasers, if established, would not be controlling here if the contested marks so nearly resemble one another as to be likely to cause confusion; and that, assuming "Fluoro" to be common property, marks including that term must nevertheless be so devised as to distinguish from the "Fluoroline" mark in order to be registrable.

It was further held that confusion would be reasonably likely to result from the concurrent use of the two marks in trade, even if applied to such equipment as that here involved, notwithstanding that applicant's mark is in flourishing italic script of fanciful nature whereas the mark of the reference is in heavy straight-line script, since either mark may be displayed in another type of lettering; and in applicant's advertising matter of record, for example, its mark occurs in plain block capitals.

FRANK W. HORNER, INC., *v.* CHICAGO PHARMACAL COMPANY, Cancellation No. 4545.

In a decision rendered June 25, 1947 (169 Ms. Dec. 366, 73 USPQ —), *First Assistant Commissioner Frazer* affirmed in all respects the action of the Examiner of Interferences sustaining the petition of Frank W. Horner, Inc., of Lynn, Mass., to cancel trade-mark registration No. 395,676, issued June 2, 1942, under the provisions of the act of February 20, 1905, to Chicago Pharmacal Company, of Chicago, Ill., and dismissing the latter's counterclaim for cancellation of trade-mark registration No. 138,973, issued January 18, 1921, and renewed, ownership of which is alleged by petitioner.

Respondent's mark is the word "Uracel," registered for a preparation for the treatment of antiarthritic and antirheumatic conditions, the registration being issued upon an application filed February 6, 1942, which must be regarded as respondent's date of first use, since respondent took no testimony. The mark relied upon by petitioner is essentially the word "Urasal," the goods named in this registration being effervescent salts.

After outlining the history of the registration alleged to be owned by petitioner, it was held that the petition to cancel was filed on March 30, 1945, at which time petitioner obviously did not own the "Urasal" registration; nor is it material that petitioner and the Canadian corporation are both controlled by the same major stockholders, or that Howden R. Horner is president of both firms.

It was held that regardless of the registration, petitioner alleged and proved its use of the "Urasal" trade-mark, in the sale of a medicinal preparation having the same descriptive properties as respondent's product, continuously since 1924 and that as applied to such goods the marks of the parties are clearly confusable; they differ but slightly in appearance, and in sound they are practically indistinguishable; and having established priority of use, petitioner is presumed to be injured by the registration of respondent's mark.

In response to respondent's argument that petitioner is now estopped to allege confusing similarity between the marks here involved by virtue of interference proceedings some eighteen years ago involving petitioner's mark and the application of one Summers for registration of the notation "Ur-A-Sol," it was held that "Ur-A-Sol" is not the same as "Uracel" nor was respondent a party to that proceeding; either of which is a sufficient answer to respondent's argument.

After noting that the counterclaim is based upon petitioner's alleged abandonment of its mark and upon the allegation that "Urasal" is descriptive of petitioner's goods, it was held that the mark is

highly suggestive, but that it is not merely descriptive; and that since petitioner has used its mark continuously since 1924, so far as respondent's rights are concerned, such use negatives any abandonment or intent to abandon; petitioner's title is certainly paramount to that of respondent; and whether the registration is owned by petitioner or another, or is not owned by anyone, its existence can be of no legal consequence to respondent.

ROSS PACKING COMPANY *v.* PACIFIC OLIVE COMPANY, Opposition No. 24,417.

In a decision rendered June 30, 1947 (169 Ms. Dec. 368, 73 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Ross Packing Company, of Selah, Wash., to the application of Pacific Olive Company, of Visalia, Calif., for registration of the notation "Early West," claimed to have been used since December 8, 1944, as a trade-mark for olives, olive oil, peppers, pickles and pimento in glass, on the ground that applicant's mark is confusingly similar to opposer's trade-mark "New West," registered July 23, 1935, for dried fruits. Neither party took testimony.

It was held that there can be no question but that the goods involved are of the same descriptive properties.

It was held that the word "West" dominates both marks and that the qualifying prefixes in many instances would not be recalled with sufficient certainty to enable purchasers depending on memory to distinguish between the marks as a whole; moreover, in one sense the word "early" suggests the same idea as the word "new"; so that the significance of the two expressions "Early West" and "New West" might be regarded by some observers as substantially the same.

In response to applicant's argument that there is no likelihood of confusion because the only feature common to both marks is the word "West" and that particular word is in extremely common use and forms a part of a great many trade-marks for food products of all kinds, it was held that even were it material, there is no evidence as to the alleged use by others of the word "West" in their trade-marks; for all that appears in the record opposer and applicant are the only users of that word.

THE ARROW IMPORTING COMPANY, INC., (NOW BY CHANGE OF NAME, STERN APPAREL CORPORATION) *v.* DRIESEN, MEYER & ORONSKY (RAINGARD INCORPORATED, ASSIGNEE, SUBSTITUTED), Cancellation No. 4573.

In a decision rendered June 30, 1947 (169 Ms. Dec. 370, 73 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences who had dismissed the petition of The Arrow Importing Company, Inc. (now by change of name, Stern Apparel Corporation), of Cleveland, Ohio, to cancel trade-mark registration No. 190,487, issued October 14, 1924, under the provisions of the act of February 20, 1905, and renewed, in October 1944, to Driesen, Meyer & Oronsky (Raingard Incorporated, Assignee, Substituted), of New York, N. Y., the mark of the registration sought to be canceled being the word "Raingard," the goods to which it is appropriated being outer suits and overcoats for males, and denied petitioner's motion that the case be remanded to the Examiner of Interferences and consolidated with a recently instituted cancellation proceeding involving a registration of respondent's mark under the act of March 19, 1920, on the ground that the proposed delay in disposing of the instant case is not warranted by the showing presented.

In response to petitioner's argument that by accepting the registration of its mark under the 1920 act for goods of the same descriptive properties as those named in its registration under the act of 1905, respondent has admitted the latter to be invalid and is estopped to be heard to the contrary, it was held that the doctrine of estoppel may be invoked only by one who is some way prejudiced by the conduct relied on to create the estoppel, and clearly no such situation exists here.

It was further held that the proposed consolidation would not save time and expense which would otherwise be required to duplicate evidence already taken, since such evidence so far as relevant and material, may be used in the second proceeding under the express provisions of Rule 157 of the Rules of Practice.

In response to petitioner's argument that the registration and its renewal are invalid because prior to the issuance of this registration there had been registered to a third party the trade-mark "Rayngard" for waterproof and weatherproof coats, which mark is substantially the same as "Raingard" and the goods of the two registrations are of the same descriptive properties, it was held that unless petitioner is injured by the registration, its validity, if established, does not concern petitioner in this proceeding.

In response to petitioner's argument that in any event the registered mark has been abandoned, it was held that although the registration and the registered mark were assigned to respondent's predecessor, together with the good will of the business in connection with which the said mark is used, nevertheless, it appears quite conclusively from the evidence that no good will was transferred, nor was intended, or expected to be by either party to the transaction, so that the assignment worked an abandonment by the assignor and that the assignee took nothing thereby; but here again petitioner is in no position to complain unless it is injured.

After noting that petitioner began the use of the trade-mark "Raingard" in connection with raincoats, continuing such use until it had exhausted its supply of imported materials, which became unavailable shortly after Pearl Harbor, the last sale being made in October 1942 and that the Exam-

iner of Interferences dismissed the petition to cancel because when it was filed on May 16, 1945, petitioner was not then using the mark, it was held that in a cancellation proceeding involving a technical trade-mark, use by the petitioner of the mark on or about the time of filing his petition must be established and that use in advertising does not constitute trade-mark use.

It was further held that the Examiner of Interferences did not hold that petitioner had abandoned its mark, nor does his decision permit of any such inference.

In response to petitioner's argument as to error in the Examiner's ruling that the rejection of petitioner's mark on respondent's registration is immaterial, it was held that petitioner's application to register was filed September 13, 1944, approximately two years after it had discontinued use of the mark, so that it was not then entitled to the proposed registration, regardless of respondent's asserted rights; and that since petitioner has no right of registration, it cannot be injured by a refusal of such registration.

Erratum

REMINGTON RAND INC. v. REX-O-GRAPH, INC., Oppositions Nos. 23,338, 23,364, 23,365, and 23,545, 598 O. G. 457.

At the end of the first paragraph should be inserted: "Opposer relied upon its established use since 1931 of the trade-mark 'Dexigraph' on merchandise which the Examiner of Interferences held to be of the same descriptive properties as applicant's merchandise."

TRADE-MARKS

OFFICIAL GAZETTE, JULY 29, 1947

[VOL. 600. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 508,922. HERBERT W. E. RILEY, doing business as Polyplastex, Elmhurst, N. Y. Filed Sept. 12, 1946.

SYNSKYN

FOR COMPOSITE FABRIC SHEETS OF GLASS FIBRE WEBS OR MATS IMPREGNATED WITH RESINOUS PLASTIC SUBSTANCES AND SOLD FOR PURPOSES SUCH AS LAMP SHADES, WALL PANELING, DECORATIVE SCREENING, DISPLAY PURPOSES AND OTHER USES IN INDUSTRIAL ARTS.

Claims use since about Apr. 4, 1946.

Ser. No. 508,923. HERBERT W. E. RILEY, doing business as Polyplastex, Elmhurst, N. Y. Filed Sept. 12, 1946.

SYNFLAKE

FOR COMPOSITE FABRIC SHEETS OF GLASS FIBRE WEBS OR MATS IMPREGNATED WITH RESINOUS PLASTIC SUBSTANCES AND SOLD FOR PURPOSES SUCH AS LAMP SHADES, WALL PANELING, DECORATIVE SCREENING, DISPLAY PURPOSES AND OTHER USES IN INDUSTRIAL ARTS.

Claims use since about Apr. 10, 1946.

Ser. No. 508,924. HERBERT W. E. RILEY, doing business as Polyplastex, Elmhurst, N. Y. Filed Sept. 12, 1946.

SYNWEB

FOR COMPOSITE FABRIC SHEETS OF GLASS FIBRE WEBS OR MATS IMPREGNATED WITH RESINOUS PLASTIC SUBSTANCES AND SOLD FOR PURPOSES SUCH AS LAMP SHADES, WALL PANELING, DECORATIVE SCREENING, DISPLAY PURPOSES AND OTHER USES IN INDUSTRIAL ARTS.

Claims use since about Apr. 10, 1946.

Ser. No. 508,925. HERBERT W. E. RILEY, doing business as Polyplastex, Elmhurst, N. Y. Filed Sept. 12, 1946.

SYNGLO

FOR COMPOSITE FABRIC SHEETS OF GLASS FIBRE WEBS OR MATS IMPREGNATED WITH RESINOUS PLASTIC SUBSTANCES AND SOLD FOR PURPOSES SUCH AS LAMP SHADES, WALL PANELING, DECORATIVE SCREENING, DISPLAY PURPOSES AND OTHER USES IN INDUSTRIAL ARTS.

Claims use since about Apr. 10, 1946.

Ser. No. 511,116. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Filed Oct. 18, 1946.

TICON

FOR DIELECTRIC MATERIAL AND SUPPLIES—NAMELY, BARIUM TITANATE, CALCIUM TITANATE, STRONTIUM TITANATE, BARIUM STRONTIUM TITANATE, IRON TITANATE, LEAD TITANATE, MAGNESIUM TITANATE, VANADIUM TITANATE, TITANIUM DIOXIDE, AND ZIRCONIUM DIOXIDE.

Claims use since February 1941.

Ser. No. 511,690. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed Oct. 29, 1946.

100

FOR PULVERIZED LIMESTONE FOR USE AS AN INDUSTRIAL FILLER.

Claims use since July 31, 1945.

Ser. No. 511,691. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed Oct. 29, 1946.

650

FOR GROUND OR PULVERIZED LIMESTONE IN THE FORM OF CALCITE SAND.

Claims use since Aug. 14, 1946.

Ser. No. 511,694. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed Oct. 29, 1946.

MICO

FOR GROUND OR PULVERIZED LIMESTONE FOR ANIMAL AND POULTRY FEED INGREDIENT.
Claims use since July 31, 1945.

Ser. No. 511,695. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed Oct. 29, 1946.

MIC-8009

FOR GROUND OR PULVERIZED LIMESTONE FOR ANIMAL AND POULTRY FEED INGREDIENT.
Claims use since July 31, 1945.

Ser. No. 521,733. THE FAULTLESS RUBBER COMPANY, also doing business as Ashland Rubber Works, Ashland, Ohio. Filed May 2, 1947.

Reliance

FOR RUBBER SPONGES.
Claims use since October 1936.

CLASS 2

RECEPTACLES

Ser. No. 502,961. FIBRCAN CORPORATION, New York, N. Y. Filed May 29, 1946.

SKATER

FOR MATERIAL OR WASTE CANS OF PLASTIC, PAPER, OR BASE METAL.
Claims use since Mar. 15, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 506,807. FRANKLIN LEATHER GOODS CO., INC., Newark, N. J. Filed Aug. 3, 1946.

Miss America Travel Companion

No claim is made to the words "America" and "Travel" apart from the mark.
FOR TRAVELING BAGS AND SUIT CASES.
Claims use since Nov. 1, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 503,673. REILLY-WHITEMAN-WALTON COMPANY, Conshohocken, Pa. Filed June 11, 1946.

POLYSAN

FOR FATTY OILS, MODIFIED BY ALCOHOLYSIS TO PRODUCE COMPOUNDS READILY SELF-EMULSIFIABLE IN WATER AND SUITABLE IN WATER EMULSION AS RESPECTS LEATHER FOR USE AS A FAT LIQUOR FOR THE PURPOSE OF INCORPORATING INTO FINISHED LEATHER A CERTAIN AMOUNT OF OIL OR FAT TO REPLACE THAT WHICH IS NECESSARILY REMOVED IN TANNING OPERATION.
Claims use since Nov. 16, 1945.

Ser. No. 506,533. HERBERT M. KOEHLER, doing business as Kaluk Products Co., Rochester, N. Y. Filed July 30, 1946.

KaluK

FOR LIQUID CLEANER FOR RUGS, FABRICS AND THE LIKE, AND LIQUID METAL POLISH.
Claims use since June 1936.

Ser. No. 509,087. FRED J. FREDERICK, doing business as Frederick Soap & Chemical Co., Los Angeles, Calif. Filed Sept. 12, 1946.

LEISURE

FOR SOAPS AND CLEANING COMPOUNDS.
Claims use since Mar. 15, 1946.

Ser. No. 509,095. J. C. MILLER COMPANY, Grand Rapids, Mich. Filed Sept. 14, 1946.

Liquimatic

FOR BUFFING COMPOUND.
Claims use since Apr. 27, 1946.

Ser. No. 509,171. SOIL-OFF MANUFACTURING CO., Glendale, Calif. Filed Sept. 16, 1946.

PURSIZE

FOR PREPARATION FOR REMOVING SPOTS AND STAINS FROM WEARING APPAREL.
Claims use since July 1, 1946.

Ser. No. 509,395. ROBERT C. CARMAN, doing business as Carmachrome, Canton, Ohio. Filed Sept. 20, 1946.

CARMACHROME

FOR CHROMIUM POLISH.
Claims use since Sept. 11, 1946.

Ser. No. 509,851. KELITE PRODUCTS, INC., Los Angeles, Calif. Filed Sept. 27, 1946.

KE-CARB

FOR LIQUID FOR CLEANING AUTOMOTIVE AND ENGINE PARTS.
Claims use since June 1, 1946.

CLASS 6

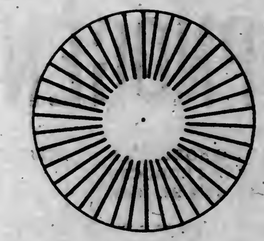
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 482,532. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y., assignor to Maurella Products Company, Inc., New York, N. Y., a corporation of New York. Filed Apr. 24, 1945.

Xandra

FOR BATH PREPARATIONS—NAMELY, EAU DE COLOGNE, BATH OILS, SACHET POWDERS, BATH SALTS, BATH LOTIONS, BATH POWDER MITTS WITH POWDER, AND POWDER REFILLS FOR BATH POWDER MITTS.
Claims use since Jan. 1, 1937.

Ser. No. 487,406. F. AHLGRENS TEKNISKA FABRIK AKTIEBOLAG, Gavle, Sweden. Filed Aug. 22, 1945.



FOR BRONCHIAL TABLETS AND PASTILLES.
Claims use since July 25, 1922.

Ser. No. 506,339. OIL SPRAYS, INC., also doing business as Crop King Company, Yakima, Wash. Filed July 26, 1946.

TYON

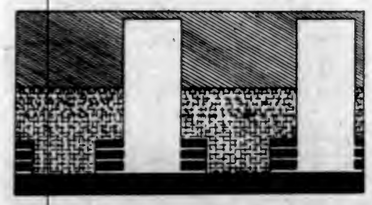
FOR HORMONE SPRAY CONTAINING NAPHTHALENE-ACETIC ACID FOR PREVENTING FRUIT FROM DROPPING BEFORE MATURITY.
Claims use since August 1945.

Ser. No. 506,419. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed July 29, 1946.

SIX-TWELVE

FOR INSECT REPELLENT.
Claims use since July 13, 1946.

Ser. No. 507,542. DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed Aug. 16, 1946.



The trade-mark comprises two groups of narrow horizontal stripes shown in the colors black, green, and white displayed on each side of a yellow field, the top and bottom margins being green and black respectively.

FOR PULLORUM DISEASE STAINED ANTIGEN, MEDICATED OIL, INSECT POWDER, VERMIFUGE, VACCINES, AND OINTMENT FOR TREATING POULTRY AND DOMESTIC ANIMALS.
Claims use since June 1, 1937.

Ser. No. 508,616. ROUGIER FRÈRES COMPAGNIE INC., Montreal, Quebec, Canada. Filed Sept. 6, 1946.

EUPNOGÈNE

FOR ANTI-DYSPNOEIC AND ANTI-ASTHMATIC PHARMACEUTICAL PRODUCTS.
Claims use since July 22, 1940.

Ser. No. 508,697. ANABOLIC FOOD PRODUCTS, INC., Los Angeles, Calif. Filed Sept. 9, 1946.

Fepileum

FOR MULTI-VITAMIN, MULTI-MINERAL PRODUCT ENCASED IN BOTH PERLES AND CAPSULES.
Claims use since June 18, 1946.

Ser. No. 508,764. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Sept. 9, 1946.

SANITOR

FOR DISINFECTANTS.
Claims use since 1912.

Ser. No. 508,789. CLAIROL INCORPORATED, Stamford, Conn. Filed Sept. 10, 1946.

CLAIROXIDE

FOR LIQUID PEROXIDE.
Claims use since June 1944.

Ser. No. 508,793. CYRUS COOPER, INC., New York, N. Y. Filed Sept. 10, 1946.

THIAPRIN

FOR MEDICINAL PREPARATION FOR TREATMENT OF RESPIRATORY DISEASES.
Claims use since Sept. 6, 1946.

Ser. No. 508,859. ROGER & GALLET, New York, N. Y. Filed Sept. 11, 1946.

AVEU

FOR PERFUMES, TOILET WATERS, FILLED POWDER AND ROUGE CONTAINERS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHET POWDER.
Claims use since Aug. 30, 1946.

Ser. No. 509,400. J. CRESPIN & M. LAURENS-FRINGS & CIE, doing business as Zofaly, Paris, France. Filed Sept. 20, 1946.

JEUX D'AMOUR

FOR PERFUMES AND TOILET WATERS.
Claims use since Apr. 30, 1946.

Ser. No. 509,673. HELENE PESSL, INC., New York, N. Y. Filed Sept. 24, 1946.



FOR FACE POWDER, ROUGE, LIPSTICK, TOOTH PASTE, PERFUME, TOILET WATER, HAND LOTION, SHAMPOO, BUBBLE BATH, DUSTING POWDER, HAND MITT CONTAINING BODY POWDER, AND LIPSTICK POMADE.
Claims use since July 6, 1945.

Ser. No. 509,687. AVON PRODUCTS, INC., New York, N. Y. Filed Sept. 25, 1946.

SURE FIRE RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICK, NAIL POLISH, AND ROUGE.
Claims use since Sept. 3, 1946.

Ser. No. 511,355. SHANDA LABORATORIES, INC., Union City, N. J. Filed Oct. 23, 1946.

No. 123

FOR SOLDERING FLUX.
Claims use since July 17, 1942.

Ser. No. 512,489. DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Nov. 13, 1946.

Wayken

FOR ASTRINGENT FACE CREAM AND POWDER BASE.
Claims use since June 1946.

Ser. No. 512,962. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Nov. 21, 1946.

LUBAFAX

FOR LUBRICANT FOR SURGICAL INSTRUMENTS.
Claims use since 1916.

Ser. No. 513,266. MINERAL RESEARCH, INCORPORATED, Des Moines, Iowa. Filed Nov. 26, 1946.

SēKrinal

FOR VITAMINIC NUTRITIONAL SUPPLEMENT PREPARATIONS.
Claims use since Aug. 15, 1946.

Ser. No. 514,136. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 12, 1946.

PENALEV

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Nov. 13, 1946.

Ser. No. 514,137. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 12, 1946.

AUGMENTIN

FOR PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Nov. 13, 1946.

Ser. No. 514,214. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Dec. 13, 1946.

HETP

FOR CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS, MITES AND OTHER PLANT PESTS IN THE AGRICULTURAL FIELD.
Claims use since Nov. 26, 1946.

Ser. No. 514,326. CHAL-YON CORPORATION, Boston, Mass. Filed Dec. 16, 1946.

Dermycin

FOR MEDICINAL PREPARATION FOR EXTERNAL USE IN THE TREATMENT OF FUNGOUS INFECTION OF THE SKIN.
Claims use since Sept. 21, 1946.

Ser. No. 514,827. CHAL-YON CORPORATION, Boston, Mass., assignor to James Christie and Charles M. Albion, doing business as Christie and Albion, Brockton, Mass. Filed Dec. 16, 1946.

Chal-Yon

FOR MEDICINAL PREPARATION FOR EXTERNAL USE IN THE TREATMENT OF FUNGOUS INFECTION OF THE SKIN.
Claims use since April 1946.

Ser. No. 514,594. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Dec. 20, 1946.

KRENITE

FOR CHEMICAL COMPOUNDS FOR USE AS HORTICULTURAL SPRAYS.
Claims use since Feb. 21, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 514,075. UNDERWOOD CORPORATION, New York, N. Y. Filed Dec. 11, 1946.



FOR TYPEWRITER RIBBON AND CARBON PAPER.
Claims use since Feb. 19, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 519,100. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y. Filed Mar. 15, 1947.

GRANISTONE

FOR ASBESTOS-CEMENT SIDING.
Claims use since Mar. 5, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 513,008. ALLEGHENY LUDLUM STEEL CORPORATION, Brackenridge and Pittsburgh, Pa. Filed Nov. 22, 1946.

ACD

FOR TOOL STEEL BARS.
Claims use since January 1937.

Ser. No. 513,009. ALLEGHENY LUDLUM STEEL CORPORATION, Brackenridge and Pittsburgh, Pa. Filed Nov. 22, 1946.

DRAGON

FOR TOOL STEEL BARS.
Claims use since May 1938.

Ser. No. 513,010. ALLEGHENY LUDLUM STEEL CORPORATION, Brackenridge and Pittsburgh, Pa. Filed Nov. 22, 1946.

CROW

FOR TOOL STEEL BARS.
Claims use since May 1, 1929.

Ser. No. 513,011. ALLEGHENY LUDLUM STEEL CORPORATION, Brackenridge and Pittsburgh, Pa. Filed Nov. 22, 1946.

VLM

FOR TOOL STEEL BARS.
Claims use since January 1940.

CLASS 19

VEHICLES

Ser. No. 510,249. EARL H. GREINER, Pemberville, Ohio. Filed Oct. 4, 1946.

The Flying Dutchman

FOR AUTOMOTIVE VEHICLES.
Claims use since May 1, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 511,611. HANSEN MANUFACTURING COMPANY INCORPORATED, Princeton, Ind. Filed Oct. 28, 1946.

SYNCHRON

FOR ELECTRICAL MOTORS.
Claims use since 1930.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 508,911. MASCO CORPORATION, Chicago, Ill. Filed Sept. 12, 1946.



FOR MAGNETIC TOY FIGURES.
Claims use since Aug. 15, 1946.

Ser. No. 509,009. THE JETOBA COMPANY, Overland Park, Kans. Filed Sept. 13, 1946.



FOR CHILDREN'S SLIPPERY SLIDES.
Claims use since July 23, 1946.

Ser. No. 509,262. ALABE CRAFTS, Cincinnati, Ohio. Filed Sept. 18, 1946.



FOR AMUSEMENT DEVICE WHICH UPON OPERATION PRESENTS ONE OF A NUMBER OF UNPREDICTABLE PICTURES TO THE VIEW OF A PLAYER.
Claims use since Sept. 6, 1946.

CLASS 23

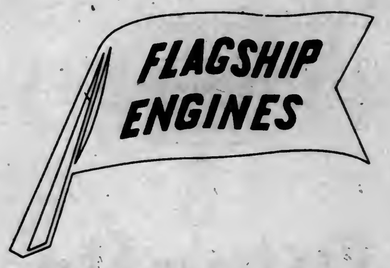
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 482,458. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Apr. 23, 1945.

"WEDGIE"

FOR BENDING AND STRAIGHTENING TOOLS FOR PLATES, BEAMS, BARS, AND TUBES.
Claims use since January 1941.

Ser. No. 485,417. OWENS YACHT COMPANY, doing business as Flagship Engine Company, Dundalk, Baltimore, Md. Filed July 3, 1945.



FOR INTERNAL COMBUSTION ENGINES FOR MARINE AND INDUSTRIAL USES, AND ENGINE PARTS.
Claims use since June 2, 1945.

Ser. No. 486,186. CHARLES W. WILLITS, doing business as Universal Shredder Company, Saginaw, Mich. Filed July 23, 1945.

SHRED ALL

Applicant disclaims the word "Shred" apart from the mark as shown.
FOR A SELF-FEEDING SHREDDING MACHINE ESPECIALLY ADAPTED FOR SHREDDING THIN SECTIONED MATERIALS SUCH AS PAPER, PLASTIC SHEETS OR METAL FOIL.
Claims use since May 1, 1945.

Ser. No. 488,193. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name to Sunbeam Corporation. Filed Sept. 10, 1945.

Sunbeam

FOR ANIMAL SHEARING AND CLIPPING MACHINES, HAND-PIECES FOR SHEARING AND CLIPPING MACHINES, AND PARTS THEREOF.
Claims use since Aug. 30, 1945.

Ser. No. 488,197. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name to Sunbeam Corporation. Filed Sept. 10, 1945.

Sunbeam

FOR LAWN MOWERS.
Claims use since Aug. 30, 1945.

Ser. No. 492,458. PEERLESS PRECISION PRODUCTS, Providence, R. I. Filed Nov. 30, 1945.

TASK MASTER

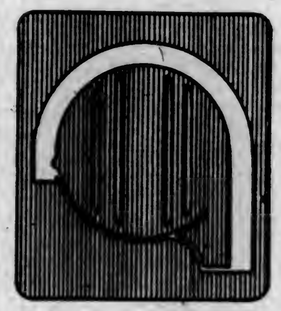
FOR BENCH FIXTURE OR FIXTURE FOR MACHINE TOOLS, TO GRIP AND HOLD THE WORK TO BE OPERATED ON BY A TOOL.
Claims use since Feb. 10, 1945.

Ser. No. 495,541. FOOD MACHINERY CORPORATION, San Jose, Calif. Filed Jan. 28, 1946.

Dynaflo

FOR SHALLOW WELL PUMPING APPARATUS EMPLOYING MOINEAU TYPE HELICAL ROTOR PUMP.
Claims use since Nov. 13, 1945.

Ser. No. 496,536. THE BIRO MANUFACTURING COMPANY, Marblehead, Ohio. Filed Feb. 14, 1946.



The drawing is shaded to indicate the color red, but no claim is made to such color separate and apart from the mark.
FOR POWER DRIVEN BAND SAW MEAT, FISH AND BONE CUTTERS PRIMARILY DESIGNED FOR THE USE OF THE FOOD PROCESSING AND DISTRIBUTION INDUSTRIES.
Claims use since Dec. 26, 1945.

Ser. No. 497,198. PRECO INCORPORATED, Los Angeles, Calif. Filed Feb. 25, 1946.



The drawing is lined to indicate the colors yellow and black.
FOR HYDRAULIC PRESSES—NAMELY, HYDRAULIC PRESSES OF THE PLUNGER TYPE WITH INCORPORATED PUMP, USED FOR PRESSURE MOLDING OF PLASTICS AND SIMILAR SUBSTANCES AND FOR GENERAL LABORATORY PURPOSES.
Claims use since Feb. 9, 1943.

Ser. No. 499,336. LA S. A. R. L. USILAME (SOCIÉTÉ A RESPONSABILITÉS LIMITÉS), Paris, France. Filed Mar. 30, 1946.

ILE DE FRANCE

No claim is made to the word "France" apart from the mark.
FOR RAZOR BLADES.
Claims use since Feb. 24, 1934.

Ser. No. 502,261. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed May 17, 1946.

"BISCO-MATIC"

The word "Bisco" is disclaimed apart from the mark.
FOR CARPET SWEEPERS.
Claims use since May 4, 1946.

Ser. No. 503,065. EQUIPMENT REPAIR & MANUFACTURING COMPANY, Denver, Colo. Filed May 31, 1946.

ARROW

FOR TRACTORS, TRACTOR-DRAWN RIPPERS AND TRAILERS, TRACTOR BULLDOZER AND ANGLE-DOZER BLADE ATTACHMENTS, AND TRACTOR-ATTACHABLE SNOWPLOW UNITS.
Claims use since June 1, 1944.

Ser. No. 512,359. ZAMAX MANUFACTURING CO., INC., Haverstraw, N. Y. Filed Nov. 9, 1946.

Zamax

FOR HAND OPERATED VEHICLE JACK OF THE HYDRAULIC TYPE.
Claims use since May 20, 1946.

Ser. No. 513,224. TETCO CO., Los Angeles, Calif. Filed Nov. 25, 1946.

Tetco

FOR PORTABLE FIRE EXTINGUISHERS.
Claims use since Aug. 5, 1939.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 403,981. STEPHANIE R. REESE, doing business as Universal Wood Products Co., Minneapolis, Minn., assignor to Universal Wood Products Co., a firm composed of J. W. Saunders and Edward R. Holloway, both of Park Falls, Wis. Filed Dec. 28, 1945.

UTILI-BILT

The expression "Bilt" is disclaimed apart from the mark.
FOR CLOTHES DRYING RACK.
Claims use since Oct. 17, 1945.

Ser. No. 512,939. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y. Filed Nov. 20, 1946. The mark consists of the word "Airform."

Airform

FOR SHAPING AND DRYING FORMS AND RELATED APPLIANCES OF THE TYPE USED IN CLEANING, DYEING, AND PRESSING ESTABLISHMENTS.
Claims use since Oct. 29, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 500,310. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Apr. 16, 1946.

CALICO

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 1, 1946.

Ser. No. 505,573. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed July 13, 1946.

BROSCONA

FOR LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL—NAMELY, PHOTOGRAPHIC PAPER.
Claims use since Jan. 27, 1946.

Ser. No. 510,573. DEJUR-AMSCO CORPORATION, Long Island City, N. Y. Filed Oct. 10, 1946.

"1000"

FOR MOTION PICTURE PROJECTORS.
Claims use since Apr. 15, 1946.

Ser. No. 512,023. HARRY C. SCHAPER, Niagara Falls, N. Y. Filed Nov. 4, 1946.

TUINWON

FOR WEIGHING SCALES.
Claims use since Jan. 10, 1946.

Ser. No. 515,343. THE TITAN VALVE AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 6, 1947.

TITAN

FOR THERMOSTATIC CONTROLS FOR HOT WATER HEATERS.
Claims use since May 1932.

Ser. No. 515,495. CHARLES FOSTER & COMPANY, New York, N. Y. Filed Jan. 9, 1947.

CHI-CHI

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS AND PARTS THEREOF.
Claims use since Mar. 27, 1939.

Ser. No. 515,496. CHARLES FOSTER & COMPANY, New York, N. Y. Filed Jan. 9, 1947.

HIZZONER

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS AND PARTS THEREOF.
Claims use since Mar. 27, 1939.

Ser. No. 516,171. CARBOGRAPHIC STUDIOS, Chicago, Ill. Filed Jan. 23, 1947.

LUMI-RULE

The word "Rule" is disclaimed apart from the mark.
FOR LUMINESCENT MEASURING RULES.
Claims use since Aug. 1, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 503,863. ERNEST BOREL & CO., SUCCESSEURS DE BOREL-COURVOISIER S. A., Neuchatel, Switzerland. Filed June 14, 1946.

Rendez-vous

FOR WATCHES, CLOCKS, ALARM CLOCKS, WATCH AND CLOCK MOVEMENTS.
Claims use since January 1946.

Ser. No. 515,429. SERGE G. JACOBSON, New York, N. Y. Filed Jan. 8, 1947.

TELET

FOR WATCHES, WATCH MOVEMENTS, WATCH CASES, AND WATCH PARTS.
Claims use since Nov. 15, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 515,725. SPEIDEL CORPORATION, Providence, R. I. Filed Jan. 14, 1947.



FOR BRACELETS (NOT INCLUDING WATCHES).
Claims use since Aug. 1, 1946.

Ser. No. 515,759. ARTHUR GEORGE & CO., INC., New York, N. Y. Filed Jan. 15, 1947.

Magicarve

FOR FINGER RINGS.
Claims use since July 23, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 512,881. VOKES LIMITED, Guildford, England. Filed Nov. 19, 1946.



No claim is made to the use of the letter "V" apart from the association shown. It is a condition of the registration of this mark that it shall not be used with the cross device appearing thereon in red, or in white or silver on a red ground or with a cross device in, or of, any similar respective color or colors. The drawing is lined for orange color, both in respect of the cross and the serrated circular marking upon which the cross is shown as superposed.
FOR AIR FILTERS AND OIL FILTERS (NONE BEING FOR LABORATORY USE OR PARTS OF ENGINES OF MOTORS OR OF MACHINES).
Claims use since July 1945.

Ser. No. 518,730. MONITOR PROCESS CORPORATION, Jersey City, N. J. Filed Mar. 7, 1947.

MONITOR

FOR REFRIGERATED LIQUID DISPENSING DEVICE AND COMMERCIAL REFRIGERATED STORAGE CABINETS, ALL INTENDED FOR USE IN RESTAURANTS, HOTELS, CAFETERIAS, LUNCHROOMS, AND INSTITUTIONAL, COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS.
Claims use since Sept. 1, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 511,676. DAVIS MILLWORK COMPANY, Forty Fort, Pa. Filed Oct. 29, 1946.



FOR KITCHEN CABINETS.
Claims use since Jan. 1, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 513,450. MUNCIE GEAR WORKS, INC., Muncie, Ind. Filed Nov. 29, 1946.

Marvair

FOR HEAT PUMPS, COMPRISING POWER-DRIVEN AUTOMATIC PLANTS UTILIZING A REVERSIBLE REFRIGERATION CYCLE FOR HEATING AND COOLING THE AIR OF BUILDINGS AND THE LIKE.
Claims use since Apr. 2, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 492,226. ALFRED B. SANDERS, doing business as Sanders Midwest Agents, Minneapolis, Minn. Filed Nov. 26, 1945.

SEELET

FOR WRAPPING PAPER.
Claims use since Nov. 17, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 455,470. ALBERT AVIDOR, doing business as Standard Editions Company, New York, N. Y. Filed Sept. 11, 1942.

FRASOGRAF

FOR SERIES OF FOREIGN-LANGUAGE INSTRUCTION BOOKS.
Claims use since June 29, 1942.

Ser. No. 512,284. PARAMOUNT PHOTO SERVICE, Ridgefield, N. J. Filed Nov. 8, 1946.

ENLARGIT

FOR PHOTOPRINTS.
Claims use since July 1939.

CLASS 39

CLOTHING

Ser. No. 504,252. CATALINA, INC., Los Angeles, Calif. Filed June 20, 1946.

Malibu

FOR CLOTHING FOR MEN, WOMEN AND CHILDREN—NAMELY, SWIMMING SUITS, BATHING SUITS, DRESSES, SHOES AND GLOVES COMPOSED OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF, HATS, SCARVES, NECKWEAR—NAMELY, COLLARS, NECK-TIES AND SCARVES; PLAY-SUITS, LINGERIE—NAMELY, SLIPS, PANTIES, BRASSIÈRES, NIGHTGOWNS AND PAJAMAS; HOSIERY, MEN'S AND CHILDREN'S PYJAMAS AND UNDERWEAR.
Claims use since October 1934.

Ser. No. 506,696. THE SCHWARTZ MFG. COMPANY, Baltimore, Md. Filed Aug. 1, 1946.

Davy Crockett

FRONTIERSMAN

"Davy Crockett" is the name of the famous American frontiersman and Congressman, one of the defenders of the Alamo, deceased.
FOR OUTER WEARING APPAREL FOR MEN, WOMEN AND CHILDREN—NAMELY, SLACKS, JACKETS, MACKINAWS, NECKTIES, SOCKS, AND BOOTS AND SHOES MADE OF LEATHER AND FABRIC.
Claims use since June 14, 1946.

Ser. No. 508,510. BERK-RAY CORPORATION, New York, N. Y. Filed Sept. 5, 1946.



FOR CHILDREN'S SNOW SUITS AND MEN'S AND BOYS' JACKETS AND SHIRTS.
Claims use since July 15, 1946.

Ser. No. 511,035. NUSSBAUM AND BRUCKNER, New York, N. Y. Filed Oct. 17, 1945.

Naturette

FOR INFANT GIRLS', GIRLS' AND WOMEN'S GARMENTS—NAMELY, DRESSES, PINAFORES, SLACKS, SLACK SUITS, COVERALLS, SHORTS, HALTER SKIRTS, HALTER SHORTS, AND HALTER SETS.
Claims use since June 12, 1946.

Ser. No. 511,678. FITTS COTTON GOODS COMPANY, Atlanta, Ga. Filed Oct. 29, 1946.

CHUMMIE

FOR INFANTS' DIAPERS.
Claims use since Nov. 14, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 513,270. KATHRYN I. NOSEK, doing business as Kitray Products Company, Arlington, Calif. Filed Nov. 26, 1946.

KITray

FOR SACHET PADS AND SACHETS IN THE SHAPE OF MINIATURE DOLLS AND PILLOWS.
Claims use since Feb. 15, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 509,022. MCNEILL AND MCNEILL, Los Angeles, Calif. Filed Sept. 13, 1946.

Casa Chula

The word "Chula" is disclaimed apart from the mark as shown.
FOR TABLE CLOTHS, WINDOW CURTAINS, AND TOWELS.
Claims use since June 3, 1946.

Ser. No. 511,419. WM. ROGERSON & CO. LIMITED, Bradford, England. Filed Oct. 24, 1946.

ROGSHEEN

FOR SILK PIECE GOODS.
Claims use since Nov. 7, 1917.

Ser. No. 511,447. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey. Filed Oct. 25, 1946.

Gabartwill

FOR WOOLEN PIECE GOODS.
Claims use since Oct. 14, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 503,953. SYNTHETIC YARNS, INC. (MASS.), Lowell, Mass. Filed June 14, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

SYNCO

FOR YARNS.
Claims use since November 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 509,834. ELECTRA VOICE CORPORATION, Chicago, Ill. Filed Sept. 27, 1946.

ElectraVoice

FOR DIATHERM EQUIPMENT—NAMELY, INDUCTION HEATING APPARATUS FOR PRODUCING RADIO FREQUENCY HEAT WAVES, AND PARTS THEREOF AND THEREFOR.
Claims use since July 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 493,075. OLD DUTCH MUSTARD CO., INC., Brooklyn, N. Y. Filed Dec. 11, 1945.



Applicant is the owner of the trade-marks 288,372 and 393,369. The head shown is fanciful.
FOR PREPARED MUSTARD.
Claims use since Nov. 27, 1945.

Ser. No. 498,433. HORACE J. MEYER, doing business as Blossom Acres Ranch, Paso Robles, Calif. Filed Mar. 18, 1946.

CAL AL

FOR ROASTED SALTED ALMONDS.
Claims use since Jan. 18, 1946.

Ser. No. 500,195. WESTERN MARKETING COMPANY, Glendale, Ariz., assignor to Western Marketing Company, Glendale, Ariz., a copartnership composed of J. M. Quinn and G. Kawamura. Filed Apr. 13, 1946.

WEST GRO

FOR FRESH VEGETABLES.
Claims use since Mar. 1, 1945.

Ser. No. 501,409. RICHMOND-CHASE COMPANY, San Jose, Calif. Filed May 3, 1946.

DIET-DELIGHT

Applicant disclaims the word "Diet". Applicant is the owner of trade-mark Reg. Nos. 251,251, dated Jan. 1, 1929, and 134,276, dated Aug. 24, 1920, and renewed.
FOR CANNED FRUITS, PACKED IN WATER.
Claims use since Apr. 11, 1946.

Ser. No. 501,655. FRANCISCO FLORES, Espinardo, Spain. Filed May 8, 1946.

SUNFIRST

FOR SPANISH PAPRIKA.
Claims use since Jan. 3, 1919.

Ser. No. 503,060. CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed May 31, 1946.

WB

FOR ROASTED COFFEE.
Claims use since Mar. 1, 1915.

Ser. No. 503,891. FLORENCE-MERRICK GROCERY CO., INC., Forest Hills, N. Y. Filed June 14, 1946.



Florence

The representation of a female is fanciful.
FOR PROCESSED FOODS—NAMELY, CANNED VEGETABLES, CANNED FRUITS, CANNED FISH, CANNED FRUIT JUICES, CATSUP, JAMS, JELLIES, TABLE AND COOKING SYRUPS, AND MUSTARD.
Claims use since 1902.

Ser. No. 506,727. BAMM FOODS, INC., Oakland, Calif. Filed Aug. 2, 1946.



FOR POTATO CHIPS AND SALTED NUTS.
Claims use since May 28, 1946.

Ser. No. 507,739. T. J. MATULICH, doing business as T. J. Matulich Co., Watsonville, Calif. Filed Aug. 21, 1946.



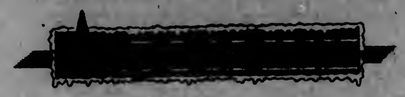
No claim is made to the words "Special Pak" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since May 1, 1946.

Ser. No. 508,104. CULBERTSON INVESTMENT COMPANY, also doing business as Geo. C. Power Lemon Ranch, Ventura, Calif. Filed Aug. 27, 1946.

AQUA

FOR FRESH CITRUS FRUITS.
Claims use since 1919.

Ser. No. 508,196. GEORGIA B. WEISHART, Washington, D. C. Filed Aug. 28, 1946.



The drawing is lined for shading purposes.
FOR FROZEN DESSERTS HAVING AN ICE CREAM CORE SURROUNDED BY CAKE.
Claims use since Feb. 11, 1946.

Ser. No. 509,582. KING EXTRACT COMPANY, San Francisco, Calif. Filed Sept. 23, 1946.

MULTI-FOLD

FOR FLAVORING EXTRACTS FOR FOOD PURPOSES.
Claims use since Aug. 19, 1935.

Ser. No. 509,653. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Sept. 24, 1946.

DAILY

FOR HORSE FEED.
Claims use since 1935.

Ser. No. 510,803. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif. Filed Oct. 12, 1946.

DUNE VALLEY

FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH MELONS.
Claims use since July 10, 1946.

Ser. No. 512,239. COASTAL VALLEY CANNING CO., Oxnard, Calif. Filed Nov. 8, 1946.

CO-VA-CO

FOR CANNED PIMENTOS.
Claims use since Sept. 30, 1946.

Ser. No. 512,334. JOE LOWE CORPORATION, New York, N. Y. Filed Nov. 9, 1946.

LU-LU BAR

Applicant disclaims the word "Bar" apart from the mark.
FOR FROZEN CONFECTIONS.
Claims use since Oct. 2, 1946.

Ser. No. 512,560. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed Nov. 14, 1946.

LOWMAY

FOR LOW CALORIE IMITATION MAYONNAISE.
Claims use since June 6, 1946.

Ser. No. 512,562. AMERICAN DIETAIDS COMPANY, INC., Yonkers, N. Y. Filed Nov. 14, 1946.

GLOW

FOR GELATIN DESSERTS.
Claims use since Dec. 14, 1944.

Ser. No. 513,097. THE BORDEN COMPANY, New York, N. Y. Filed Nov. 23, 1946.

FURPRO V-7

FOR VITAMIN FORTIFIED FOOD SUPPLEMENT CONSISTING OF RICE POLISHINGS, SOYBEAN OIL MEAL, FISH LIVER AND GRANULAR MEAL, DRIED WHEY SOLUBLES, DRIED MILK BY-PRODUCT, DEHYDRATED CHEESE, VITAMIN A & D FEEDING OIL, YEAST, VITAMIN B1, FOR USE IN FOX AND MINK FOOD.
Claims use since Sept. 17, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 483,634. SCHENLEY DISTRIBUTORS, INC., New York, N. Y. Filed May 21, 1945.

OLD SAMPLER

No claim is made to the word "Old" apart from the mark.

FOR WHISKEY.

Claims use since Feb. 20, 1945.

Ser. No. 506,301. MANUEL FERNANDEZ CO., S. A., Habana, Cuba. Filed July 26, 1946.

TORRENTE

FOR CORDIALS AND LIQUEURS.

Claims use since Aug. 10, 1925.

Ser. No. 507,618. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y. Filed Aug. 19, 1946.

PASSPORT

FOR SLOE GIN.

Claims use since July 30, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 480,071. JOSEPH KLOTCH, doing business as Slender Theme Fashions, New York, N. Y. Filed Feb. 21, 1945.



Applicant disclaims the words "Line" and "Products of Merit" and the outline representation of the label apart from the mark. The stippling on the drawing represents shading only.

FOR NOVELTY PRODUCTS—NAMELY, COVERED GARMENT HANGERS.

Claims use since Jan. 12, 1945.

Ser. No. 501,239. DANBURY RUBBER COMPANY, INC., Danbury, Conn. Filed May 1, 1946.

CREPEX

FOR RUBBER AND SYNTHETIC RUBBER IN THE FORM OF SLABS AND SHEETS.

Claims use since Apr. 1, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

JULY 29, 1947

431,556. CANDY. LOVELL AND COVEL COMPANY, Cambridge, Mass.

Filed November 18, 1941. Serial No. 448,735. PUBLISHED MAY 6, 1947. Class 46.

431,557. CANDY. LOVELL AND COVEL COMPANY, Cambridge, Mass.

Filed January 21, 1943. Serial No. 458,077. PUBLISHED MAY 6, 1947. Class 46.

431,558. GASOLINE. TIMS OIL CO., Seattle, Wash.

Filed December 9, 1944. Serial No. 477,381. PUBLISHED MAY 13, 1947. Class 15.

431,559. ICE CREAM, FROZEN CONFECTIONS, FLUID MILK, BUTTERMILK, CREAM, AND FROZEN FRUITS AND VEGETABLES—NAMELY, PINEAPPLE, STRAWBERRIES, KALE, PEACHES, ASPARAGUS CUTS, BRUSSELS SPROUTS, ASPARAGUS TIPS, PEAS, FORDHOOK LIMAS, AND BROCCOLI. SOUTHERN DAIRIES, INC., Washington, D. C.

Filed February 19, 1945. Serial No. 479,994. PUBLISHED MAY 6, 1947. Class 46.

431,560. ICE CREAM, ICES, SHERBETS, FROZEN CONFECTIONS, BUTTER, AND EGGS. SOUTHERN DAIRIES, INC., Washington, D. C.

Filed February 19, 1945. Serial No. 479,996. PUBLISHED MAY 6, 1947. Class 46.

431,561. ICE CREAM, ICE CREAM TARTS, SHERBETS, FLUID MILK, CREAM, BUTTERMILK, CHOCOLATE MILK, AND SOUR CREAM. SOUTHERN DAIRIES, INC., Washington, D. C.

Filed February 19, 1945. Serial No. 479,997. PUBLISHED MAY 6, 1947. Class 46.

431,562. ICE CREAM, ICES, SHERBETS, FLUID MILK, CREAM, BUTTERMILK, BUTTER, EGGS, COTTAGE CHEESE, SKIM MILK, ICE MILK, AND CHOCOLATE MILK DRINK, THE LATTER BEING SOLD AS A FOOD BEVERAGE. SOUTHERN DAIRIES, INC., Washington, D. C.

Filed February 19, 1945. Serial No. 479,999. PUBLISHED MAY 6, 1947. Class 46.

431,563. DRY DETERGENT PREPARATION FOR APPLICATION TO WASHING WATER. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill.

Filed February 26, 1945. Serial No. 480,245. PUBLISHED APRIL 29, 1947. Class 4.

431,564. POWER SAWS. MILL & MINE SUPPLY CO., Seattle, Wash., assignor to Mill and Mine Supply Co., Incorporated, Seattle, Wash.

Filed March 10, 1945. Serial No. 480,781. PUBLISHED APRIL 29, 1947. Class 23.

431,565. MILK, CREAM, BUTTERMILK, SKIM MILK, AND SOUR CREAM. SOUTHERN DAIRIES, INC., Washington, D. C.

Filed March 10, 1945. Serial No. 480,802. PUBLISHED MAY 6, 1947. Class 46.

431,566. CATTLE CHUTE OR OPERATING TABLE AND CATTLE DEHORNING CHUTE, HAY LOADERS, DEHORNING GATES, TRACTORS, AND PLOWS. THOMPSON EQUIPMENT CO., Madera, Calif.

Filed March 26, 1945. Serial No. 481,345. PUBLISHED APRIL 29, 1947. Class 23.

431,567. MACHINE TOOL EQUIPMENT—NAMELY, CYLINDER AND PISTON TYPE AIR MOTORS, VISES, FEEDS FOR DRILL PRESSES AND OPERATIONAL CONTROLS FOR PNEUMATIC CYLINDER AND PISTON MECHANISMS. SMITH-JOHNSON CORPORATION, Los Angeles, Calif.

Filed April 23, 1945. Serial No. 482,509. PUBLISHED MAY 6, 1947. Class 23.

431,568. CENTRIFUGAL STEAM UNIT HEATERS CONSISTING OF A UNIT INCLUDING ENCASED HEATING TUBES AND AN ASSOCIATED BLOWER, ETC. F. JADEN MANUFACTURING CO. INC., Hastings, Nebr., now by change of name Jaden Manufacturing Co.

Filed July 6, 1945. Serial No. 485,502. PUBLISHED APRIL 15, 1947. Class 34.

431,569. PAPER BAGS. L. RENCH, Oakland, Calif., assignor to Frostorage, Oakland, Calif., a corporation of California.

Filed July 9, 1945, Serial No. 485,603. PUBLISHED APRIL 29, 1947. Class 2.

431,570. GARDEN HOES, GARDEN RAKES, GARDEN SPRAYERS, HAND CULTIVATORS, SPADING FORKS, DRAIN AND POST HOLE SPADES, ETC. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.

Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,425. PUBLISHED APRIL 29, 1947. Class 23.

431,571. AUTOMOBILE JACKS. OIL PURIFIER, INC., Oakland, Calif.

Filed September 19, 1945. Serial No. 488,705. PUBLISHED MAY 28, 1946. Class 23.

431,572. FIGURERINES AND STATUETTES MADE OF OR ORNAMENTED WITH MATERIALS OTHER THAN PRECIOUS METALS. SASHA STUDIOS, Los Angeles, Calif.

Filed September 19, 1945, Serial No. 488,708. PUBLISHED MAY 6, 1947. Class 50.

431,573. FRESH DECIDUOUS FRUITS AND FRESH GRAPES. M. & S. FARMS, Fresno and Parlier, Calif.

Filed September 21, 1945. Serial No. 488,825. PUBLISHED MAY 6, 1947. Class 46.

431,574. SHELLED EDIBLE NUTS; RAW OR SALTED. THE CHARLES A. PETERSON COMPANY, Cleveland, Ohio.

Filed September 24, 1945, Serial No. 488,926. PUBLISHED MAY 6, 1947. Class 46.

431,575. FROZEN SHELLFISH, CREOLE GUMBO AND CREOLE COURT BOUILLON. EDWARD S. ERNST, doing business as Ernst Food Sales, New Orleans, La.

Filed November 3, 1945. Serial No. 491,002. PUBLISHED MAY 6, 1947. Class 46.

431,576. ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, ELECTRIC SIGNS, SWITCHBOARDS, MOTORS, AND GENERATORS. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C.

Filed November 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 491,331. PUBLISHED MARCH 18, 1947. Class 21.

431,577. LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.

Filed November 9, 1945. Serial No. 491,333. PUBLISHED MAY 21, 1946. Class 15.

431,578. METALLIC AND PLASTIC MOULDINGS FOR USE IN FINISHING THE EDGES OF COUNTERS, WALL BOARDS, AND THE LIKE. TRIMEDGE, INC., Youngstown, Ohio.
Filed November 13, 1945. Serial No. 491,526. PUBLISHED MAY 6, 1947. Class 12.

431,579. METALLIC AND PLASTIC MOULDINGS FOR USE IN FINISHING THE EDGES OF COUNTERS, WALL BOARDS, AND THE LIKE. TRIMEDGE, INC., Youngstown, Ohio.
Filed November 13, 1945. Serial No. 491,527. PUBLISHED MAY 6, 1947. Class 12.

431,580. BOXES MADE OF PAPER BOARD. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed November 14, 1945. Serial No. 491,573. PUBLISHED APRIL 29, 1947. Class 2.

431,581. SAWS, BOTH HAND AND POWER OPERATED, MACHINE KNIVES, PAPER KNIVES, MOULDING KNIVES, PLANER KNIVES, DITCH BANK CUTTERS, AND CIRCULAR KNIVES. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 13, 1945. Serial No. 493,172. PUBLISHED APRIL 29, 1947. Class 23.

431,582. SAWS, BOTH HAND AND POWER OPERATED, SAW HANDLES, SAW TEETH, SAW HOLDERS, SWAGES, SAW SETS, SAW CLAMPS, FILING GUIDES, FILING MACHINES, SAW FRAMES, SAW RODS, SAW TOOLS, TROWELS, CANE KNIVES, CORN KNIVES, HEDGE KNIVES, MACHETES, MACHINE KNIVES, CIRCULAR KNIVES, PRUNING HOOKS, FRICTION DISCS, SCRAPERS, DOCTOR BLADES, FOUNTAIN BLADES, GIN ROLLER BLADES, TURNING CHISELS, TURNING GOUGES, AND SCREW DRIVERS. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 14, 1945. Serial No. 493,259. PUBLISHED APRIL 29, 1947. Class 23.

431,583. SAWS, BOTH HAND AND POWER OPERATED. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed December 17, 1945. Serial No. 493,435. PUBLISHED APRIL 29, 1947. Class 23.

431,584. PAPER CUPS. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis.
Filed December 22, 1945. Serial No. 493,799. PUBLISHED MAY 6, 1947. Class 2.

431,585. CHOCOLATES, CANDY, AND NUT MEATS. NICHOLAS NASSAR, JR., doing business as Sharon Lee Candy Co., Toledo, Ohio.
Filed December 27, 1945. Serial No. 493,929. PUBLISHED MAY 6, 1947. Class 46.

431,586. PICK-UP ELEVATOR, THE RECEIVING LOWER END OF WHICH IS ARRANGED TO PICK UP BALES OR SACKS OF FARM PRODUCE, ETC. NORTHWEST MACHINE WORKS, ORDS. LTD., Portland, Oreg.
Filed December 31, 1945. Serial No. 494,164. PUBLISHED APRIL 29, 1947. Class 23.

431,587. BAKERY PRODUCT OF SAME COMPOSITION AS PRETZELS BUT OF A SHAPE DIFFERING FROM THE ORDINARY TWISTED PRETZEL AND ALSO FROM SO-CALLED PRETZEL-STICKS. THE SPECIALTY DEVELOPMENT COMPANY, Bluffton, Ind.
Filed January 4, 1946. Serial No. 494,290. PUBLISHED MAY 6, 1947. Class 46.

431,588. WOOD PRESERVATIVE AND LUBRICANT—NAMELY, A COMBINATION LIQUID LUBRICANT AND WOOD PRESERVATIVE FOR USE ON PARTS OF FURNITURE SUCH AS DRAWERS, SLIDING SHELVES, AND THE LIKE, TO FACILITATE THEIR OPERATION. FEBIT LABORATORIES, INC., Jacksonville, Fla.
Filed January 5, 1946. Serial No. 494,319. PUBLISHED APRIL 29, 1947. Class 15.

431,589. HANDKERCHIEF CASES, LINGERIE CASES, COSMETIC CASES, AND EYEGLASS CASES. AMERICAN NEEDLECRAFTS, INC., New York, N. Y.
Filed January 8, 1946. Serial No. 494,419. PUBLISHED APRIL 8, 1947. Class 2.

431,590. COMPOUND FOR DETARNISHING SILVER. RALPH MERRITT, INC., New York, N. Y.
Filed January 17, 1946. Serial No. 494,914. PUBLISHED APRIL 29, 1947. Class 4.

431,591. FOOD PATTY FORMING MACHINERY. PATENTED APPLIANCES INCORPORATED, Saybrook, Conn.
Filed February 4, 1946. Serial No. 495,983. PUBLISHED APRIL 29, 1947. Class 23.

431,592. CLEANSER FOR POTS AND PANS, WOODWORK, AND PAINTED SURFACES. ALICE L. FERNANDEZ, doing business as Victory Enterprises, New York, N. Y.
Filed February 7, 1946. Serial No. 496,177. PUBLISHED MAY 6, 1947. Class 4.

431,593. METALLOGRAPHIC ABRASIVES AND MATERIALS—NAMELY, A METALLOGRAPHIC POLISHING COMPOUND. THE MARWIN COMPANY, West Caldwell, N. J.
Filed February 18, 1946. Serial No. 496,851. PUBLISHED MAY 6, 1947. Class 4.

431,594. MACHINE TOOL OF THE TYPE WHICH INCLUDES MECHANISM FOR PROVIDING RELATIVE MOVEMENT BETWEEN A TOOL HOLDER AND A WORK SUPPORT TO LOCATE BOTH RELATIVELY TO EACH OTHER—NAMELY, DRILL PRESSES AND TURRET LATHES. THE BULLARD COMPANY, Bridgeport, Conn.
Filed February 19, 1946. Serial No. 496,884. PUBLISHED APRIL 29, 1947. Class 23.

431,595. BOXES MADE OF PAPER BOARD. I. P. CONTAINER CORPORATION, Somerville, Mass.
Filed March 5, 1946. Serial No. 497,665. PUBLISHED MARCH 25, 1947. Class 2.

431,596. BOXES MADE OF PAPER BOARD. I. P. CONTAINER CORPORATION, Somerville, Mass.
Filed March 6, 1946. Serial No. 497,716. PUBLISHED MARCH 25, 1947. Class 2.

431,597. ELECTRIC AND MAGNETIC RELAYS AND PARTS THEREOF. LONDEX LIMITED, London, England.
Filed March 6, 1946. Serial No. 497,727. PUBLISHED MAY 6, 1947. Class 21.

431,598. CAR BODY UNDERCOATING AND SOUND DEADENER IN THE NATURE OF PAINT. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed March 12, 1946. Serial No. 498,056. PUBLISHED APRIL 8, 1947. Class 16.

431,599. CLEANER FOR RUGS, UPHOLSTERY, WOOLENS, CANVAS, SILKS, MOHAIRS, TAPESTRIES, FELT, AND PANAMA HATS, ETC. EARL GRISSMER COMPANY, Anderson, Ind.
Filed March 12, 1946. Serial No. 498,061. PUBLISHED MAY 6, 1947. Class 4.

431,600. COMPACTS MADE OF PLASTIC MATERIALS AND/OR BASE METALS AND SOLD IN TRADE EMPTY. MAVCO, INC., New York, N. Y.
Filed March 15, 1946. Serial No. 498,296. PUBLISHED APRIL 29, 1947. Class 2.

431,601. OIL BURNERS. AMERICAN MOHAWK COMPANY, New York, N. Y.
Filed March 26, 1946. Serial No. 498,973. PUBLISHED APRIL 22, 1947. Class 34.

431,602. INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES. POLORON PRODUCTS, INC., New Rochelle, N. Y.
Filed March 26, 1946. Serial No. 499,002. PUBLISHED APRIL 22, 1947. Class 2.

431,603. INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES. POLORON PRODUCTS, INC., New Rochelle, N. Y.
Filed March 26, 1946. Serial No. 499,004. PUBLISHED APRIL 22, 1947. Class 2.

431,604. INSULATED PICNIC JUGS. POLORON PRODUCTS, INC., New Rochelle, N. Y.
Filed March 26, 1946. Serial No. 499,005. PUBLISHED APRIL 22, 1947. Class 2.

431,605. INSULATED PICNIC JUGS AND INSULATED PICNIC BOXES. POLORON PRODUCTS, INC., New Rochelle, N. Y.
Filed March 26, 1946. Serial No. 499,007. PUBLISHED APRIL 29, 1947. Class 2.

431,606. TABLE PLACE MATS, BATH TUB MATS, KITCHEN SINK MATS, AND KITCHEN STOVE MATS, COMPOSED WHOLLY OR IN PART OF PLASTIC LAMINATES. JOSEPH E. BAKER, Newark, Ohio.
Filed March 29, 1946. Serial No. 499,195. PUBLISHED APRIL 29, 1947. Class 50.

431,607. MILK BOTTLE CAPS MADE OF ALUMINUM, OR ALUMINUM FOIL, OR THE LIKE. BASCA MANUFACTURING CO. INC., Indianapolis, Ind.
Filed March 29, 1946. Serial No. 499,196. PUBLISHED APRIL 29, 1947. Class 50.

431,608. MULTI-WALL PAPER BAGS. BAGPAK, INC., New York, N. Y.
Filed April 6, 1946. Serial No. 499,752. PUBLISHED APRIL 22, 1947. Class 2.

431,609. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed April 6, 1946. Serial No. 499,810. PUBLISHED APRIL 29, 1947. Class 2.

431,610. INSULATION BLOWING MACHINES OF THE TYPE CONSISTING OF A POWER UNIT AND A BLOWER FOR USE GENERALLY WITH A DUCT IN THE INTERNAL AND EXTERNAL APPLICATION OF INSULATING MATERIAL SUCH AS ROCK WOOL, FIBER WOOL AND THE LIKE. MOLLOY MACHINE CORPORATION, Chicago, Ill.
Filed April 12, 1946. Serial No. 500,113. PUBLISHED MAY 6, 1947. Class 23.

431,611. MACHINES FOR DRIVING SECURING ELEMENTS IN THE NATURE OF NAILS. SPOTNAILS, INC., Chicago, Ill.
Filed April 20, 1946. Serial No. 500,633. PUBLISHED MAY 6, 1947. Class 23.

431,612. SOAP. HELENE PESSL, INC., New York, N. Y.
Filed April 23, 1946. Serial No. 500,768. PUBLISHED MAY 6, 1947. Class 4.

431,613. UNITARY STRUCTURES FOR APPLICATION TO AND MOUNTING UPON THE FRAMES OF FARM AND INDUSTRIAL TRACTORS FOR THE SUPPORT OF VARIOUS INSTRUMENTALITIES AND THEIR ASSOCIATED MECHANISMS FOR FARM AND INDUSTRIAL USES, FOR EXAMPLE WIRE WINDERS, SNOW PLOW BLADES, BULL DOZER BLADES, WINCHES, SWEEP RAKES, AND BUZZ SAWS. GLENN M. ROGERS, INC., Buffalo, N. Y.
Filed April 24, 1946. Serial No. 500,828. PUBLISHED MAY 6, 1947. Class 23.

431,614. PLASTIC CONTAINERS FOR WAXED CARDBOARD MILK CARTONS. WILLIAM J. FEY, Chicago, Ill.
Filed April 29, 1946. Serial No. 501,126. PUBLISHED MAY 6, 1947. Class 2.

431,615. ACOUSTICAL INSULATION COMPOSED OF A PAD OF FIBROUS SOUND ABSORBING MATERIAL CONTAINED WITHIN A PERFORATED METAL PAN. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Filed May 16, 1946. Serial No. 502,180. PUBLISHED APRIL 22, 1947. Class 12.

431,616. BAND SAWS FOR SAWING FOOD PRODUCTS INCLUDING MEAT, FOWL, FISH AND BONE, AND SAW BANDS, PARTS AND SUPPLIES FOR SUCH MACHINES. THE HOBART MANUFACTURING COMPANY, Troy, Ohio.
Filed May 22, 1946. Serial No. 502,580. PUBLISHED APRIL 29, 1947. Class 23.

431,617. CUTLERY HANDLES AND PICKER STICKS MADE OF WOOD. ADAMS PLASTICS CO., INC., Holyoke, Mass.
Filed May 23, 1946. Serial No. 502,609. PUBLISHED MAY 6, 1947. Class 23.

431,618. PNEUMATIC TOOLS—NAMELY, RIVETING HAMMERS. IDEAL INDUSTRIES, INC., Sycamore, Ill.
Filed May 24, 1946. Serial No. 502,696. PUBLISHED MAY 6, 1947. Class 23.

431,619. CORK PULLERS. KINGSTON F. SWALLOW, Milwaukee, Wis.
Filed May 27, 1946. Serial No. 502,855. PUBLISHED MAY 6, 1947. Class 23.

431,620. CANDLES, PARTICULARLY FOR RELIGIOUS USE. CRUSADER CANDLE CO., Brooklyn, N. Y.
Filed May 28, 1946. Serial No. 502,888. PUBLISHED APRIL 29, 1947. Class 15.

431,621. PREPARATION FOR CLEANING DENTURES. STAZE, INC., New York, N. Y.
Filed June 4, 1946. Serial No. 503,267. PUBLISHED MAY 6, 1947. Class 4.

431,622. ELECTRIC MOTORS, GENERATORS, MAGNETOS, AUXILIARY ELECTRIC POWER SUPPLY SYSTEMS, CUTOUT SWITCHES, SOLENOID OPERATED SWITCHES AND ACTUATORS FOR ACCESSORIAL USE IN AIRCRAFT OPERATION, CONTROL SWITCHES, ELECTRIC CONTROL PANELS AND BOXES, ETC. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed June 7, 1946. Serial No. 503,418. PUBLISHED MAY 6, 1947. Class 21.

431,623. AIR CLEANERS AND OIL FILTERS AND FILTER ELEMENTS FOR ALL TYPES OF COMBUSTION ENGINES. CHARLES W. SIMONSEN, doing business as Air Cleaner Service Company, Glencullen, Oreg.
Filed June 8, 1946. Serial No. 503,534. PUBLISHED MAY 6, 1947. Class 23.

431,624. MECHANICALLY GROOVED PHONOGRAPH RECORDS. UNITED MASTERS, INC., New York, N. Y.
Filed June 8, 1946. Serial No. 503,538. PUBLISHED APRIL 29, 1947. Class 36.

431,625. CLOTH-CUTTING MACHINES. H. MAIMIN COMPANY, INCORPORATED, New York, N. Y.
Filed June 11, 1946. Serial No. 503,656. PUBLISHED APRIL 29, 1947. Class 23.

431,626. SUSPENSION MIXTURE OF SOAP, ABRASIVE AND OIL FOR CLEANSING GREASE AND BURNT GREASE RESIDUES AND FOR REMOVING RUST. JOHN J. DUFFY, doing business as J. Duffy, New York, N. Y.
Filed June 18, 1946. Serial No. 504,090. PUBLISHED MAY 6, 1947. Class 4.

431,627. CLAMP FOR HOLDING CONCRETE FORMS. ROBERT FRANK ROSSER, Miami, Fla.
Filed June 26, 1946. Serial No. 504,634. PUBLISHED MAY 6, 1947. Class 12.

431,628. MACHINES FOR PREPARING AGGREGATES FOR THE MANUFACTURE OF CONCRETE BLOCKS. DEMPSTER BROTHERS, INCORPORATED, Knoxville, Tenn.
Filed June 28, 1946. Serial No. 504,754. PUBLISHED MAY 6, 1947. Class 23.

431,629. MACHINES FOR CLEANING TRACK BALLAST, SAID MACHINE BEING MOTOR DRIVEN AND INCLUDING DIGGING CHAINS WHICH PENETRATE BETWEEN THE TIES AND REMOVE THE BALLAST. NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis.
Filed July 6, 1946. Serial No. 505,162. PUBLISHED APRIL 29, 1947. Class 23.

431,630. FELT BASE SHINGLES. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed July 12, 1946. Serial No. 505,469. PUBLISHED MAY 6, 1947. Class 12.

431,631. SAW BLADES AND PARTICULARLY PULP SAW BLADES. DELMER D. TERRILL, doing business as D. D. Terrill Saw Company, Bangor, Maine.
Filed July 12, 1946. Serial No. 505,532. PUBLISHED MAY 6, 1947. Class 23.

431,632. SOAP. AFFILIATED PRODUCTS, INC., New York, N. Y.
Filed July 16, 1946. Serial No. 505,675. PUBLISHED APRIL 29, 1947. Class 4.

431,633. CAKES AND COOKIES. HANSCOM BAKING CORPORATION, Long Island City, N. Y.
Filed July 18, 1946. Serial No. 505,825. PUBLISHED MAY 6, 1947. Class 46.

431,634. CAKES AND COOKIES. HANSCOM BAKING CORPORATION, Long Island City, N. Y.
Filed July 18, 1946. Serial No. 505,826. PUBLISHED MAY 6, 1947. Class 46.

431,635. DETERGENT FOR USE IN DRY CLEANING OPERATIONS. R. R. STREET & CO., INC., Chicago, Ill.
Filed July 18, 1946. Serial No. 505,864. PUBLISHED APRIL 29, 1947. Class 4.

431,636. DETERGENT FOR USE IN DRY CLEANING OPERATIONS. R. R. STREET & CO., INC., Chicago, Ill.
Filed July 18, 1946. Serial No. 505,865. PUBLISHED APRIL 29, 1947. Class 4.

431,637. CLEANING COMPOUNDS FOR GENERAL, HOUSEHOLD, PROFESSIONAL, AND COMMERCIAL CLEANING. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed July 20, 1946. Serial No. 505,988. PUBLISHED MAY 6, 1947. Class 4.

431,638. GASOLINE DRIVEN POWER MOWING MACHINE. NATIONAL METAL PRODUCTS COMPANY, Kansas City, Mo.
Filed July 22, 1946. Serial No. 506,053. PUBLISHED APRIL 29, 1947. Class 23.

431,639. METAL WORKING TOOLS INCLUDING BITS, MILLING CUTTERS, REAMERS, AND ROUTERS, ALL TIPPED WITH TUNGSTEN CARBIDE ALLOYS. TOOL SPECIALTY CO., Los Angeles, Calif.
Filed July 22, 1946. Serial No. 506,068. PUBLISHED MAY 6, 1947. Class 23.

431,640. FACTORY EQUIPMENT FOR HANDLING CORROSIVE LIQUIDS—NAMELY, MIXING TANKS, STORAGE VESSELS AND TANKS, ETC. THE DURIRON COMPANY, INC., Dayton, Ohio.
Filed July 26, 1946. Serial No. 506,296. PUBLISHED MAY 13, 1947. Class 2.

431,641. AIR CONDITIONERS OF THE HUMIDIFIER, HEATING AND COOLING TYPE. THE AIRITE CORPORATION, Stamford, Conn.
Filed July 27, 1946. Serial No. 506,361. PUBLISHED MAY 6, 1947. Class 34.

431,642. MECHANICALLY GROOVED PHONOGRAPH RECORDS. RAXOR TRADING CORPORATION, New York, N. Y.
Filed July 27, 1946. Serial No. 506,390. PUBLISHED MAY 6, 1947. Class 36.

431,643. RESIN AND STARCH ADHESIVES. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed August 3, 1946. Serial No. 506,832. PUBLISHED MAY 13, 1947. Class 5.

431,644. ELECTRIC WATER PUMPS. WEIL PUMP CO., Chicago, Ill.
Filed August 3, 1946. Serial No. 506,848. PUBLISHED APRIL 29, 1947. Class 23.

431,645. FURNACE CEMENT AND HOT WATER TANK COVERS OF CORRUGATED ASBESTOS PAPER. ASBESTOS SUPPLY COMPANY OF SEATTLE, Seattle, Wash.
Filed August 5, 1946. Serial No. 506,854. PUBLISHED APRIL 15, 1947. Class 12.

431,646. TRAWLER BLOCKS DESIGNED FOR USE IN THE FISHING INDUSTRY. THE OIL CITY BRASS WORKS, Beaumont, Tex.
Filed August 5, 1946. Serial No. 506,889. PUBLISHED MAY 6, 1947. Class 23.

431,647. TRAWLER BLOCKS DESIGNED FOR USE IN THE FISHING INDUSTRY. THE OIL CITY BRASS WORKS, Beaumont, Tex.
Filed August 5, 1946. Serial No. 506,890. PUBLISHED APRIL 29, 1947. Class 23.

431,648. OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE, AND OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I.
Filed December 29, 1945. Serial No. 494,152. PUBLISHED APRIL 22, 1947. Class 34.

431,649. FRUIT JUICE SQUEEZERS OF THE HAND OPERATED TYPE. FRANK N. MARIANI, Washington Heights, New York, N. Y.
Filed August 7, 1946. Serial No. 507,010. PUBLISHED APRIL 29, 1947. Class 23.

431,650. ICE TRAYS. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed August 12, 1946. Serial No. 507,251. PUBLISHED MAY 6, 1947. Class 31.

431,651. RAZOR BLADES. PAL BLADE CO., INC., New York, N. Y.
Filed August 13, 1946. Serial No. 507,337. PUBLISHED MAY 6, 1947. Class 23.

431,652. SYNTHETIC RESINOUS MATERIALS IN SOLID, LIQUID, OR POWDER FORM FOR USE AS BONDING AGENTS. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa.
Filed August 22, 1946. Serial No. 507,851. PUBLISHED MAY 13, 1947. Class 5.

431,653. ELECTRICAL REFRIGERATORS. SIOUX ELECTRICAL APPLIANCE CO., Sioux City, Iowa.
Filed August 31, 1946. Serial No. 508,392. PUBLISHED MAY 6, 1947. Class 31.

431,654. EXHAUST GAS DEFLECTORS FOR AUTOMOTIVE VEHICLES. RICHMOND METAL AND PLASTICS CORPORATION, Philadelphia, Pa.
Filed September 5, 1946. Serial No. 508,547. PUBLISHED APRIL 29, 1947. Class 23.

431,655. SURFACE HEATING UNITS FOR ELECTRIC RANGES. CUTLER-HAMMER, INC., Milwaukee, Wis.
Filed September 7, 1946. Serial No. 508,646. PUBLISHED MAY 6, 1947. Class 21.

431,656. MATERIALS FOR RENDERING MORTAR AND HYDRAULIC CEMENT MATERIALS WATERPROOF. MATERIALS FOR DUSTPROOFING, HARDENING, AND WATERPROOFING MORTAR AND HYDRAULIC CEMENT SURFACES; WATERPROOFING AND DAMPPROOFING COMPOSITIONS FOR COATING SURFACES OF MASONRY STRUCTURES; AND AGGREGATES FOR MORTAR AND HYDRAULIC CEMENT MIXTURES. THE AMERICAN FLURESIT COMPANY, Cincinnati, Ohio.
Filed September 13, 1946. Serial No. 508,956. PUBLISHED APRIL 22, 1947. Class 12.

431,657. MACARONI. JELLUM, INC., Joliet, Ill.
Filed September 13, 1946. Serial No. 509,008. PUBLISHED MAY 6, 1947. Class 46.

431,658. RAZORS. THE MARLIN FIREARMS COMPANY, New Haven, Conn.
Filed September 13, 1946. Serial No. 509,017. PUBLISHED APRIL 29, 1947. Class 23.

431,659. RAZOR BLADES. SHEFFIELD MANUFACTURING CORP., Newark, N. J.
Filed September 14, 1946. Serial No. 509,105. PUBLISHED APRIL 29, 1947. Class 23.

431,660. METAL BINS. THE RENIE METAL PRODUCTS CORPORATION, Mansfield, Ohio.
Filed September 16, 1946. Serial No. 509,169. PUBLISHED APRIL 15, 1947. Class 2.

431,661. REFRIGERANT COMPRESSORS. THE CRIDER CORPORATION, Lima, Ohio.
Filed September 18, 1946. Serial No. 509,267. PUBLISHED MAY 6, 1947. Class 31.

431,662. ELECTRIC FLOOR AND TABLE LAMPS AND SHADES THEREFOR. L. WOLF & COMPANY, Chicago, Ill.
Filed September 20, 1946. Serial No. 509,486. PUBLISHED MAY 6, 1947. Class 21.

431,663. INDUSTRIAL AND DOMESTIC COAL STOKERS. FLYNN AND EMRICH COMPANY, Baltimore, Md.
Filed September 21, 1946. Serial No. 509,508. PUBLISHED APRIL 15, 1947. Class 34.

431,664. NON-ELECTRIC INDUSTRIAL FURNACES AND PARTS THEREFOR, INCLUDING HEATING ELEMENT TUBES. MANUFACTURERS AND FABRICATORS, INC., Elyria, Ohio.
Filed September 21, 1946. Serial No. 509,521. PUBLISHED MAY 6, 1947. Class 34.

431,665. ELECTRIC HOUSEHOLD APPLIANCES—NAMELY, COMBINATION BROILER AND ROTISSERIE. DE LISSER MANUFACTURING CORP., New Rochelle, N. Y.
Filed September 23, 1946. Serial No. 509,566. PUBLISHED MAY 6, 1947. Class 21.

431,666. RAZOR BLADES. JOHN G. PALMER, Chicago, Ill.
Filed September 25, 1946. Serial No. 509,719. PUBLISHED MAY 6, 1947. Class 23.

431,667. ELECTRIC MOTORIZED OPERATORS FOR VALVES; ELECTRIC MOTORIZED CONTROLS FOR THE OPERATION OF BURNERS; ELECTRIC MOTORIZED DRIVES FOR DAMPERS AND THE LIKE; ELECTRIC TIME CONTROL SWITCHES FOR THE CONTROL OF OPERATIONS IN SYNCHRONY; ELECTRIC CURRENT INPUT CONTROLLERS; ELECTRICAL CONTROL RELAYS; ELECTRICAL REMOTE POSITION SWITCH CONTROLS. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa.
Filed September 27, 1946. Serial No. 509,815. PUBLISHED MAY 6, 1947. Class 21.

431,668. ELECTRIC MOTORIZED OPERATORS FOR VALVES; ELECTRIC MOTORIZED CONTROLS FOR THE OPERATION OF BURNERS; ELECTRIC MOTORIZED DRIVES FOR DAMPERS AND THE LIKE; ELECTRIC TIME CONTROL SWITCHES FOR THE CONTROL OF OPERATIONS IN SYNCHRONY; ELECTRIC CURRENT INPUT CONTROLLERS; ELECTRICAL CONTROL RELAYS; ELECTRICAL REMOTE POSITION SWITCH CONTROLS. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa.
Filed September 27, 1946. Serial No. 509,816. PUBLISHED MAY 6, 1947. Class 21.

431,669. FROZEN FOOD CABINETS. PALEY MANUFACTURING CORPORATION, Brooklyn, N. Y.
Filed September 27, 1946. Serial No. 509,872. PUBLISHED MAY 13, 1947. Class 31.

431,670. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed September 28, 1946. Serial No. 509,936. PUBLISHED MAY 6, 1947. Class 23.

431,671. RAZOR BLADES. DAVID A. CHRISTIANSON ASSOCIATES, INC., New York, N. Y.
Filed October 1, 1946. Serial No. 510,009. PUBLISHED MAY 6, 1947. Class 23.

431,672. BUILDING BOARD COMPOSED OF CEMENT AND EXCELSIOR FOR USE AS A COMBINED SHEATHING AND PLASTER, NON-BEARING PARTITION WALLS, INSULATIONS, ROOF DECKING, ETC. THE STRUCTURAL INSULATION CORPORATION, Quincy, Ill.
Filed October 2, 1946. Serial No. 510,129. PUBLISHED MAY 6, 1947. Class 12.

431,673. ROPE TIGHTENERS, COMBINATION GARDEN RAKES AND HOES, KNIFE SHARPENERS, POINTING TROWELS, BRICK TROWELS, PLASTERING TROWELS, PUTTY KNIVES, AND PAINTERS' SCRAPERS. THE ATLAS-ANSONIA COMPANY, North Haven, Conn.
Filed October 3, 1946. Serial No. 510,154. PUBLISHED MAY 6, 1947. Class 23.

431,674. NON-METALLIC TAPE, NON-METALLIC SHEATHS AND INSULATION FOR ELECTRIC CABLES. THE OKONITE COMPANY, Passaic, N. J.
Filed October 4, 1946. Serial No. 510,272. PUBLISHED MAY 6, 1947. Class 21.

431,675. SAW BITS AND SAW SHANKS. SOUTHERN SAW WORKS, INC., East Point, Ga.
Filed October 4, 1946. Serial No. 510,283. PUBLISHED MAY 6, 1947. Class 23.

431,676. CHARCOAL AND OTHER SOLID FUEL GRILLS PARTICULARLY ADAPTABLE FOR THE BROILING AND GRILLING OF FOODS. JOSEPH E. FERNLY, doing business as Fernly Products Co., Muskegon Heights, Mich.
Filed October 12, 1946. Serial No. 510,773. PUBLISHED APRIL 22, 1947. Class 34.

431,677. GAS BURNERS FOR USE IN COAL OR OIL BURNING FURNACES TO CONVERT THE SAME TO THE USE OF GAS AS A FUEL. STANDARD FUEL ENGINEERING COMPANY, Detroit, Mich.
Filed October 12, 1946. Serial No. 510,809. PUBLISHED APRIL 22, 1947. Class 34.

431,678. CHINA AND CRYSTAL ELECTRIC TABLE AND FLOOR LAMPS. MAX HORN, ZEBNER & LEWIS, INC., New York, N. Y.
Filed October 14, 1946. Serial No. 510,841. PUBLISHED MAY 6, 1947. Class 21.

431,679. ELECTRIC MOTORS. KINGSTON-CONLEY ELECTRIC COMPANY, North Plainfield, N. J.
Filed October 23, 1946. Serial No. 511,331. PUBLISHED MAY 6, 1947. Class 21.

431,680. ASBESTOS FIBRE FOR LAGGING, ASBESTOS COVERING FOR BOILERS, PIPES, AND THE LIKE. THE BELDAM PACKING & RUBBER CO. LIMITED, London, England.
Filed October 25, 1946. Serial No. 511,442. PUBLISHED APRIL 15, 1947. Class 12.

431,681. BROODER HOUSES, HOG HOUSES, AND STOCK STALLS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 25, 1946. Serial No. 511,508. PUBLISHED APRIL 15, 1947. Class 12.

431,682. HOT WATER RANGE BOILERS. WELLMAN B. FORD, doing business as Ford Manufacturing Company, Mount Kisco, N. Y.
Filed October 28, 1946. Serial No. 511,606. PUBLISHED APRIL 22, 1947. Class 34.

431,683. FLASHLIGHTS. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed October 30, 1946. Serial No. 511,735. PUBLISHED MAY 6, 1947. Class 21.

431,684. FLASHLIGHTS. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed October 30, 1946. Serial No. 511,736. PUBLISHED MAY 6, 1947. Class 21.

431,685. AIR FILTERS AND OIL FILTERS (NONE BEING FOR LABORATORY USE OR PARTS OF ENGINES OF MOTORS OR OF MACHINES). VOKES LIMITED, Guildford, England.
Filed November 19, 1946. Serial No. 512,879. PUBLISHED MAY 6, 1947. Class 31.

431,686. METAL ROOF DECK. THE GOLDSMITH METAL LATH CO., Cincinnati, Ohio.
Filed December 6, 1946. Serial No. 513,823. PUBLISHED MAY 6, 1947. Class 12.

431,687. FLUID FUEL BURNERS, FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE AND FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I.
Filed December 16, 1946. Serial No. 514,384. PUBLISHED APRIL 22, 1947. Class 34.

431,688. REFRIGERATOR PARTS AND ACCESSORIES—NAMELY, A VESSEL, BASIN, OR SIMILAR RECEPTACLE FOR RECEIVING DRIP FROM REFRIGERANT COILS AND THE LIKE IN AUTOMATIC REFRIGERATORS. BORG-WARNER CORPORATION, Chicago, Ill.
Filed January 2, 1947. Serial No. 515,154. PUBLISHED MAY 6, 1947. Class 31.

431,689. HEAT PROTECTING AND INSULATING MATERIAL, SPECIFICALLY COMBINATIONS OF BRIGHT METAL FOIL WITH NON-METALLIC BODIES SUCH AS PAPER. REFLECTAL CORPORATION, New York, N. Y.
Filed January 2, 1947. Serial No. 515,198. PUBLISHED MAY 6, 1947. Class 12.

431,690. HAMPERS AND GARBAGE CANS. BRILL METAL FABRICATORS, Jersey City, N. J.
Filed January 21, 1947. Serial No. 516,059. PUBLISHED MAY 6, 1947. Class 2.

431,691. HEATING APPARATUS, SPECIFICALLY GAS FIRED FURNACES. PALMER MANUFACTURING CORPORATION, Phoenix, Ariz.
Filed September 16, 1946. Serial No. 516,593. PUBLISHED MAY 6, 1947. Class 34.

431,692. FROZEN FOOD CABINETS, FOR HOUSEHOLD AND COMMERCIAL USE. PERMA-TEMP PRODUCTS, INC., Philadelphia, Pa.
Filed January 31, 1947. Serial No. 516,718. PUBLISHED MAY 6, 1947. Class 31.

431,693. ICE CREAM FREEZERS HAND OPERATED AND MADE FOR HOUSEHOLD USE. THE WHITE MOUNTAIN FREEZER COMPANY, INC., Nashua, N. H.
Filed February 11, 1947. Serial No. 517,335. PUBLISHED MAY 6, 1947. Class 31.

431,694. PORTABLE PICNIC ICE BOXES. PRENTISS WABERS PRODUCTS CO., Wisconsin Rapids, Wis.
Filed February 28, 1947. Serial No. 518,320. PUBLISHED MAY 6, 1947. Class 31.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,695. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. C. GALBRAITH & SON, INC., New York, N. Y. Filed Jan. 28, 1946. Serial No. 495,544.

SAFE-T-HEAT

FOR ELECTRIC SPACE HEATERS.
Claims use since Dec. 1, 1945.

431,696. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) MARIPOSA PRODUCTS CO., New York, N. Y. Filed Feb. 20, 1946. Serial No. 496,973.

SPARKY Flints

FOR FLINTS FOR CIGARETTE AND OTHER LIGHTERS.
Claims use since June 1, 1944.

431,697. (CLASS 38. PRINTS AND PUBLICATIONS.) POSTALENDING LIBRARY CLUB, INC., New York, N. Y. Filed Mar. 12, 1946. Serial No. 498,076.

POSTALENDING LIBRARY CLUB, INC.
A Library at Your Door

FOR BOOKS.
Claims use since Oct. 4, 1945.

431,698. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE DOUGHTEN SEED COMPANY, Jersey City, N. J. Filed Apr. 4, 1946. Serial No. 499,615.

Turf-Green

FOR MIXED GRASS SEED AND LAWN SEED MIXTURE.
Claims use since Mar. 6, 1941.

431,699. (CLASS 39. CLOTHING.) SANDERS CLOTHES, INC., Allentown, Pa. Filed July 18, 1946. Serial No. 505,861.

SANDERS

FOR MEN'S AND BOYS' CLOTHING—NAMELY, OVERCOATS, TOPCOATS, SUITS, AND TROUSERS.
Claims use since Apr. 16, 1946.

431,700. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WOOD CONSTRUCTION PUBLISHING CO., Xenia, Ohio. Filed July 22, 1946. Serial No. 506,079.

Wood Construction
BUILDING MATERIALIST

FOR BI-MONTHLY MAGAZINE RELATING TO WOOD CONSTRUCTION AND THE BUILDING TRADE.
Claims use since Jan. 1, 1942.

431,701. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) R. F. WILLEY, doing business as Georgie Porgie Co., Council Bluffs, Iowa. Filed Aug. 1, 1946. Serial No. 506,716.

Babysuds

FOR WASHING COMPOUND.
Claims use since Feb. 20, 1946.

431,702. (CLASS 37. PAPER AND STATIONERY.) CLEARPRINT PAPER COMPANY, San Francisco, Calif. Filed Sept. 3, 1946. Serial No. 508,414.

PAPERCLOTH

FOR TRACING PAPER.
Claims use since June 1, 1946.

431,703. (CLASS 37. PAPER AND STATIONERY.) MALKO & LOCK MACHINE PRODUCTS, Chicago, Ill. Filed Sept. 18, 1946. Serial No. 509,291.

BROMPTON

FOR MECHANICAL PENCILS.
Claims use since June 1, 1946.

431,704. (CLASS 39. CLOTHING.) CLARENCE F. NORLIN, Chicago, Ill. Filed Sept. 24, 1946. Serial No. 509,666.

NORLIN



FOR SPLASH SHIELDS FOR ATTACHMENT TO HEELS OF WOMEN'S SHOES TO PREVENT SPLASHING ON BACKS OF STOCKINGS.
Claims use since Apr. 10, 1942.

431,705. (CLASS 12. CONSTRUCTION MATERIALS.) THE UNION FIRE BRICK COMPANY, Grantsville, Md., and Pittsburgh, Pa. Filed Dec. 5, 1946. Serial No. 513,784.

MT. SAVAGE STOKER

FOR FIRE BRICK.
Claims use since July 5, 1945.

TRADE-MARK REGISTRATIONS RENEWED

29,022. **CARBOLACENE.** LIQUID SOAP, DRY SOAP POWDERS, HARD SOAP, AND SOFT SOAP. Registered Oct. 20, 1896. W. & F. WALKER. Re-renewed Oct. 20, 1946, to W. & F. Walker Limited, Liverpool, England, a British company. Class 4.

29,135. **"PYRAMID" AND REPRESENTATION OF PYRAMID.** CAUSTIC SODA AND SILICATE OF SODA. Registered Nov. 10, 1896. JOSEPH CROSFIELD & SONS, LIMITED, Warrington, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Nov. 10, 1946. Class 6.

30,124. **MAERZEN.** BEER. Registered June 1, 1897. CHR. HEURICH BREWING CO., Washington, D. C., a corporation of Virginia. Re-renewed June 1, 1947. Class 48.

58,433. **ARCO.** BOILERS AND HEATERS. Registered Dec. 18, 1906. AMERICAN RADIATOR COMPANY, East Orange, N. J.; Chicago, Ill.; New York, N. Y.; Philadelphia, Pa.; Boston, Mass.; London, England; Paris, France; and Berlin, Germany. Re-renewed Dec. 18, 1946, to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa., a corporation of Delaware. Class 34.

58,571. **"GILT EDGE" ETC. AND CIRCULAR DESIGN.** CHAMPAGNE. Registered Dec. 18, 1906. FRED U. SWARTS, Penn Yan, N. Y. Re-renewed Dec. 18, 1946, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York. Class 47.

59,832. **"TEC" AND DESIGN.** T-SQUARES, DRAWING-BOARDS, TRIANGLES, CURVES, DRAWING INSTRUMENTS, SURVEYING INSTRUMENTS, RULES, BAROMETERS, ANEMOMETERS, SURVEYORS' COMPASSES, POCKET-COMPASSES, AND BLUE-PRINT AND BROWN-PRINT PAPERS. Registered Jan. 22, 1907. THE TECHNICAL SUPPLY COMPANY. Re-renewed Jan. 22, 1947, to International Textbook Company, Scranton, Pa., a corporation of Pennsylvania. Class 26.

60,176. **"TEC" AND DESIGN.** DRAWING AND TRACING PAPER. Registered Jan. 29, 1907. TECHNICAL SUPPLY COMPANY. Re-renewed Jan. 29, 1947, to International Textbook Company, Scranton, Pa., a corporation of Pennsylvania. Class 37.

61,066. **REPRESENTATION OF AN INDIAN HEAD.** CHOCOLATE, SWEET AND UNSWEETENED, AND COCOA. Registered Mar. 5, 1907. RUNKEL BROTHERS INCORPORATED. Re-renewed Mar. 5, 1947, to Lamont, Corliss & Company, New York, N. Y., a corporation of New York. Class 46.

61,675. **"REX" AND DESIGN.** BLUE-PRINT PAPER. Registered Apr. 2, 1907. TECHNICAL SUPPLY COMPANY. Re-renewed Apr. 2, 1947, to International Textbook Company, Scranton, Pa., a corporation of Pennsylvania. Class 26.

62,146. **ROYAL.** COTTON CLOTHES-LINES. Registered Apr. 23, 1907. CLEVELAND MILL & POWER CO., Lawndale, N. C., a corporation of North Carolina. Re-renewed Apr. 23, 1947. Class 7.

62,147. **WINDSOR.** COTTON CLOTHES-LINES. Registered Apr. 23, 1907. CLEVELAND MILL & POWER CO., Lawndale, N. C., a corporation of North Carolina. Re-renewed Apr. 23, 1947. Class 7.

62,158. **REPRESENTATION OF TWO CRANES ETC.** COTTON PIECE GOODS, AND COTTON BLANKETS. Registered Apr. 23, 1907. NASHUA MANUFACTURING COMPANY, Nashua, N. H., a corporation of New Hampshire. Re-renewed Apr. 23, 1947. Class 42.

62,558. **PRINCESS.** PERCALES. Registered May 14, 1907. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed May 14, 1947. Class 42.

62,729. **"P & B" AND HEART DESIGNS.** JEWELRY, SOLID, PLATED, AND PRECIOUS-METAL TABLEWARE, FLAT WARE, HOLLOW WARE, TOILET ARTICLES, DESK GOODS, METAL ORNAMENTS AND NOVELTIES, AND METAL MOUNTINGS AND TRIMMINGS. Registered May 21, 1907. PAYE AND BAKER MANUFACTURING CO., North Attleboro, Mass., a corporation of Massachusetts. Re-renewed May 21, 1947. Class 28.

62,760. **"SEAL RED" AND REPRESENTATION OF A SEAL COLORED RED.** PRINTING INKS. Registered May 21, 1907. THE QUEEN CITY PRINTING INK CO., Cincinnati, Ohio. Re-renewed May 21, 1947, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 11.

62,810. **THE FAMILY PHYSICIAN.** A REMEDY FOR COUGHS, COLDS, BRONCHITIS, DIPHTHERIA, MEASLES, SCARLET FEVER, AND TYPHOID FEVER, AND USED ALSO AS A BLOOD PURIFIER. Registered May 28, 1907. HOUCHENS MEDICINE COMPANY, Baltimore, Md., a corporation of Delaware. Re-renewed May 28, 1947. Class 6.

220,052. **"B" AND DIAMOND DESIGN.** COMBINED LEATHER AND FABRIC GLOVES. Registered Nov. 2, 1926. THE BOOSTER GLOVE COMPANY. Renewed Nov. 2, 1946, to Norman Rivkin, doing business as Booster Glove Co., Chicago, Ill. Class 39.

220,065. **"BOOSTER" AND DIAMOND DESIGN.** COMBINED LEATHER AND FABRIC GLOVES. Registered Nov. 2, 1926. THE BOOSTER GLOVE COMPANY. Renewed Nov. 2, 1946, to Norman Rivkin, doing business as Booster Glove Co., Chicago, Ill. Class 39.

222,080. **ΦΣK.** FRATERNITY BADGES, LAPEL BUTTONS, SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. Registered Dec. 21, 1926. PHI SIGMA KAPPA FRATERNITY, Appleton, Wis., a corporation of New York. Renewed Dec. 21, 1946. Class 28.

222,822. **"SHASTA" AND DESIGN.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered Jan. 11, 1927. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed Jan. 11, 1947. Class 7.

223,629. **MEMO.** WOMEN'S UNDERWEAR OF KNITTED RAYON. Registered Feb. 8, 1927. LUXURAY, INC., Brooklyn, N. Y. Renewed Feb. 8, 1947, to Beaunit Mills, Inc., New York, N. Y., a corporation of New York. Class 39.

223,785. **HONEY KIST.** CAKE AND COOKIES. Registered Feb. 8, 1927. GROCERS BAKING COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Feb. 8, 1947. Class 46.

225,701. **IMPERIAL BRAND.** CANDY, CRYSTALLIZED GINGER, PRESERVED GINGER, OLIVES, PRESERVED FIGS, CAPERS, GLACÉ FRUITS, CANDIED CITRON, LEMON PEEL, AND ORANGE PEEL. Registered Mar. 22, 1927. R. U. DELAPENHA & CO., INC., New York, N. Y., a corporation of New York. Renewed Mar. 22, 1947. Class 46.

226,261. **"SELSHIRE" AND BORDER DESIGN.** MEN'S SUITS AND OVERCOATS. Registered Apr. 5, 1927. SELBER BROS., INC. Renewed Apr. 5, 1947, to Selber Brothers, Shreveport, La., a co-partnership. Class 39.

226,620. **E-Z.** HOT-AIR DAMPERS. Registered Apr. 12, 1927. AARON COHN, Philadelphia, Pa. Renewed Apr. 12, 1947. Class 34.

227,114. **ENAMEL.** LIME. Registered Apr. 26, 1927. THE WOODVILLE LIME PRODUCTS COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed Apr. 26, 1947. Class 12.

227,244. **CUBER.** MACHINES FOR MANUFACTURING CATTLE CAKE. Registered May 3, 1927. RICHARD SIZER LIMITED, Hull, England, a company organized under the laws of Great Britain. Renewed May 3, 1947. Class 23.

227,476. **"BETTY BLUE" AND REPRESENTATION OF GIRL'S HEAD.** CANNED FRUIT AND VEGETABLES. Registered May 10, 1927. FENNVILLE CANNING CO., Fennville, Mich. Renewed May 10, 1947, to Michigan Fruit Canners, Inc., Benton Harbor, Mich., a corporation of Michigan. Class 46.

227,583. **TIP-TOP.** TEA. Registered May 10, 1927. DWINELL-WRIGHT COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 10, 1947. Class 46.

227,625. **HARVEST KING.** TWINE, ROPE, STRING, AND CORDAGE MADE OF VEGETABLE FIBER. Registered May 10, 1927. SCHERMERHORN BROS. CO., Chicago, Ill., a corporation of Illinois. Renewed May 10, 1947. Class 7.

227,637. **"P & H QUALITY SERVICE" ETC. AND RED BACKGROUND DESIGN.** ELECTRIC TRAVELLING CRANES, ELECTRIC HOISTS, GANTRY CRANES, HAND TRAVELLING CRANES, CHAIN-BLOCK TROLLEYS, AND OTHER NAMED ITEMS OF MACHINERY. Registered May 10, 1927. HARNISCHFEGER CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 10, 1947. Class 23.

227,871. **"THE ST CLOUD DAILY TIMES" AND EAGLE DESIGN ETC.** DAILY NEWSPAPER. Registered May 17, 1927. THE TIMES PUBLISHING COMPANY, INC., St. Cloud, Minn., a corporation of Minnesota. Renewed May 17, 1947. Class 38.

227,912. **"LILY" AND REPRESENTATION OF A LILY.** LIME. Registered May 17, 1927. THE WOODVILLE LIME PRODUCTS COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed May 17, 1947. Class 12.

228,103. **Φ.** HORSE NAILS. Registered May 24, 1927. THE CAPEWELL HORSE NAIL COMPANY. Renewed May 24, 1947, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut. Class 13.

228,213. **"CERTO" ETC. AND OVAL DESIGN.** PECTIN. Registered May 24, 1927. DOUGLAS PECTIN CORPORATION, Rochester, N. Y. Renewed May 24, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

228,308. **PYRAMIDON.** REMEDIES AGAINST FEVER, RHEUMATISM, AND NEURALGIA. Registered May 31, 1927. H. A. METZ LABORATORIES, INC. Renewed May 31, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

228,343. **"TAS-COL TH" AND DESIGN.** COTTON PIECE GOODS. Registered May 31, 1927. TURNER HALSEY CO., New York, N. Y., a corporation of New York. Renewed May 31, 1947. Class 42.

228,359. **"GEORGE BANTA PUBLISHING COMPANY" AND DESIGN.** MAGAZINES AND BOOKS PUBLISHED BY SAID CORPORATION, AND MAGAZINES, FOLDERS, CATALOGUES AND PAMPHLETS PRINTED FOR OTHERS. Registered May 31, 1927. GEORGE BANTA PUBLISHING COMPANY, Menasha, Wis., a corporation of Wisconsin. Renewed May 31, 1947. Class 38.

228,403. **UTEX.** TOOL STEEL. Registered May 31, 1927. Albert N. Diehl, doing business as THE DIEHL STEEL CO., Cincinnati, Ohio. Renewed May 31, 1947. Class 14.

228,429. **REPRESENTATION OF A FOUR LEAF CLOVER.** SPECTACLE FRAMES. Registered May 31, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 31, 1947. Class 26.

228,430. **CLOVER.** SPECTACLE FRAMES. Registered May 31, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 31, 1947. Class 26.

228,435. **GRAPE SALT.** PREPARATIONS FOR THE TREATMENT OF INDIGESTION, URIC-ACID CONDITIONS, CONSTIPATION, HEADACHES DUE TO LIVER DISORDERS, EXCESSIVE USE OF ALCOHOLIC BEVERAGES, AND OTHER NAMED SIMILAR PREPARATIONS. Registered May 31, 1927. MANUEL S. VALLDEJULI, doing business as The Picot Company, Buffalo, N. Y. Renewed May 31, 1947, to Picot Laboratories, Inc., Wilmington, Del., a corporation of Delaware. Class 6.

228,451. **REPRESENTATION OF A CONTINENTAL SOLDIER.** ASPHALT ROOF PAINT. Registered May 31, 1927. THE CONTINENTAL ROOFING & MANUFACTURING CO., Baltimore, Md. Renewed May 31, 1947, to The Ruberoid Co., New York, N. Y., a corporation of New Jersey. Class 16.

228,468. **NEDLAM.** SWEATERS AND BATHING SUITS. Registered May 31, 1927. MALDEN KNITTING MILLS, Malden, Mass., a corporation of Massachusetts. Renewed May 31, 1947. Class 39.

REISSUES

JULY 29, 1947

22,902
SOLENOID TYPE OF ELECTROMAGNET
Stanley S. Cramer, Haddon Heights, N. J.
Original No. 2,337,375, dated December 21, 1943, Serial No. 424,658, December 27, 1941. Application for reissue December 8, 1944, Serial No. 567,135
21 Claims. (Cl. 175—341)

1. A solenoid type of electro-magnet comprising a spool having an arcuately formed interior passageway, the spool having a winding arranged thereon, a field structure of magnetic material encircling the winding, a rotatable shaft mounted adjacent one portion of the field structure, a circularly formed core carried by said shaft, the core forming nearly a complete circle and tapering from one end to the other, the small end normally being positioned within the arcuately formed pas-



sageway in the spool and between opposite portions of the field structure.

PLANT PATENTS

GRANTED JULY 29, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

748
ROSE PLANT
John de Vink, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa., a corporation of Pennsylvania
Application May 31, 1946, Serial No. 673,357
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the dwarf class, characterized as to novelty by its hardiness, the intense and penetrating fragrance of its flowers, the numerous petals and narrow cut thereof, and the pink coloring of the flowers, substantially as shown and described.

749
ROSE PLANT
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana
Application July 23, 1946, Serial No. 685,608
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by larger blooms, larger petals, stems, foliage and heavier canes, than found in its parent variety while identical therewith in other respects, substantially as shown and described.

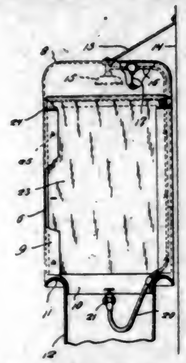
750
CARNATION PLANT
Henry Jacob Symonds, Decorah, Iowa
Application May 10, 1946, Serial No. 668,649
1 Claim. (Cl. 47—60)

The new and distinct variety of carnation plant substantially as herein shown and described, characterized particularly by its exceedingly prolific growth and production habits, and the combination of medium size, intense fragrance and novel light orchid-pink color of its flowers.

PATENTS

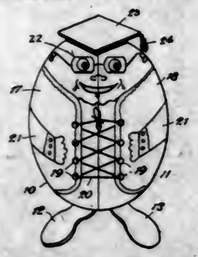
GRANTED JULY 29, 1947

2,424,537
SHOWER CABINET FOR BATHTUBS
Edward Aronheim, Detroit, Mich.
Application November 17, 1944, Serial No. 563,906
1 Claim. (Cl. 4—148)



A shower cabinet for bathtubs including rigid side and rear walls, a short depending front wall and a rigid top wall, the lower edge of said side and rear walls being offset inwardly and supported on the upper edge of a bathtub, the front of the cabinet being open defining a doorway, the lower edge of said front wall defining the upper edge of the doorway, inwardly projecting flanges at the vertical edges of the side walls, each of said flanges having a horizontal slot at the upper ends thereof, a curtain secured to the upper edge of the doorway at the front of the cabinet, the side edges of the curtain being received in said slots and positioned inwardly of said flanges and means for securing the curtain to the inside of said flanges.

2,424,538
TOY
Samuel L. Beder, New York, N. Y., assignor of one-half to Irwin F. Mills Associates, New York, N. Y.
Application November 14, 1945, Serial No. 628,575
6 Claims. (Cl. 46—151)



3. An egg-shaped body inscribed so as to depict the head and body of a toy figure, a pair of web-like flat feet disposed at right angles to the axis of said body for supporting same perpendicularly, and a mortar-shaped cap having a pintle designed to be removably inserted into the top of said body to complete the outline of the toy figure upon which mortar-board shaped cap the body will rest when placed in upside-down position.

2,424,539
SPRING PAPER PUNCH
John A. Bishop, Woodside, N. Y., assignor to Johnson Research Corporation, a corporation of New York
Application December 13, 1945, Serial No. 634,727
9 Claims. (Cl. 164—119)



1. A punch comprising a male die support, a female die support and a stripper spring-hinged, respectively, at opposite ends of said male die support, said stripper having guide means extending therefrom at its free end in a direction to be engaged by a sheet of paper or other article to be punched when moved into operative position in relation to said male and female die supports.

2,424,540
APPARATUS FOR MAKING CONVOLUTE WOUND TUBING FROM SHEET MATERIAL
Boris Bogoslowsky, Jackson Heights, N. Y.
Application October 27, 1944, Serial No. 560,705
12 Claims. (Cl. 93—81)

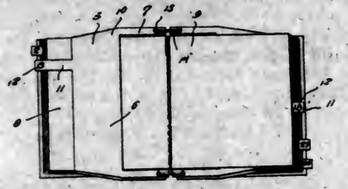


1. Apparatus for making convolute wound tubing from sheet material, comprising, a mandrel, a stationary table, a driven rolling member spaced from said table to receive said mandrel therebetween, means for feeding said mandrel toward said rolling member to engage a sheet to be wound between said rolling member and said mandrel and to initiate rolling of said mandrel and the winding of said sheet around said mandrel, said rolling member extending along a substantial length of said table and serving to roll said mandrel from said feeding means onto and along said table to complete the winding of the sheet around the mandrel, and means to guide the end of said sheet circumferentially of said mandrel as said rolling member begins to roll said mandrel.

11. Apparatus for making convolute wound tubing from sheet material consisting wholly or in part of thermoplastic or heat sealing material, comprising a mandrel, a table, a driven rolling member spaced from said table to receive said mandrel therebetween and roll the same along said table to wind a sheet of material around said mandrel, means to guide the end of said sheet circumferentially of said mandrel as said rolling member begins to roll said mandrel, and means for heating an intermediate section of said table located between two unheated sections to heat seal the tubing wound on said mandrel, said tubing being at least partially wound before reaching said heated section and being rolled along an unheated section after leaving said heated section.

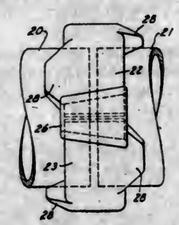
2,424,541
BOOK-MARKER
Harry O. Booth, Richmond, Calif.
Application February 27, 1945, Serial No. 579,997
1 Claim. (Cl. 116—119)

In a book marker, the combination, which comprises an elongated sheet of material having outwardly converging ends wherein the outer edge of the sheet is shorter than the inner edge, said sheet having parallel arms extending from the ends of the longer inner edge thereof, said arms positioned to extend beyond the upper and lower edges of the pages of a book in which the device may be used with the sheet positioned substantially mid-way between the binding and outer edges of the pages, said sheet also carrying a



tab extending outward beyond the outer edges of said pages, said arms having openings in the ends thereof, anchoring sheets associated with said sheet of the marker having corresponding elongated sheets with wide arms extending over the upper and lower edges of the pages of said book and also having openings in the ends of the arms, and an elastic binding element associated with the openings in the ends of said arms holding a plurality of said markers and anchoring sheets together.

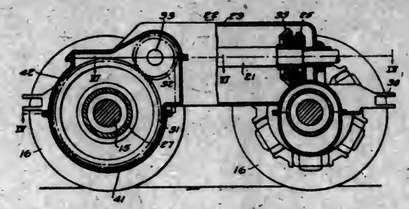
2,424,542
PIPE COUPLING
Charles Adams, Jr., Croton-on-Hudson, N. Y.
Application February 24, 1944, Serial No. 523,625
6 Claims. (Cl. 285—194)



1. A flexible joint between two connected members of substantially equal cross-section comprising a plurality of clamping members extending around the ends of said connected members, means to tighten said clamping members around said clamped members, said clamping members having at the interior thereof and at each end of the joint recesses extending longitudinally of the connected members and of gradually decreasing depth away from the ends of the connected members, and toothed wedges in said recesses whereby inward movement of the wedges in the recesses may take place in bending the joint but outward movement beyond the predetermined limit is prevented.

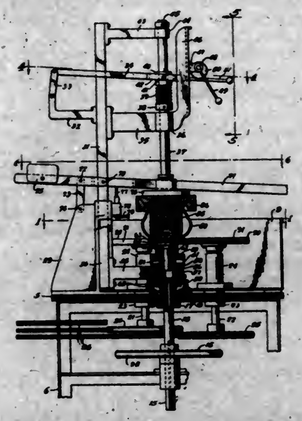
2,424,543
DRIVE DEVICE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 9, 1945, Serial No. 577,083
5 Claims. (Cl. 105—98)

1. In a locomotive drive, in combination, a plurality of pairs of axles, a drive shaft disposed longitudinally of the locomotive, an auxiliary shaft for each axle disposed at right angles to the drive shaft, bevel gear means for interconnecting the drive shaft and said auxiliary shafts, a quill surrounding each axle, means for flexibly connecting the quill to its axle, a gear secured to said quill, a pinion meshing with said gear,



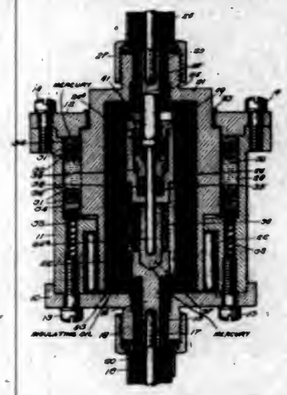
said pinion being secured to the auxiliary shaft for said axle, a gear case containing all of said gears for each pair of axles and having bearings therein for said quills and said shafts, said gear cases being split in two horizontal planes, and means for supporting said gear cases independently.

2,424,544
ART OF GRINDING ANNULAR SURFACES
James W. Alsdorf, Winnetka, Ill., assignor, by mesne assignments, to Cory Corporation, a corporation of Delaware
Application March 23, 1944, Serial No. 527,744
5 Claims. (Cl. 51—131)



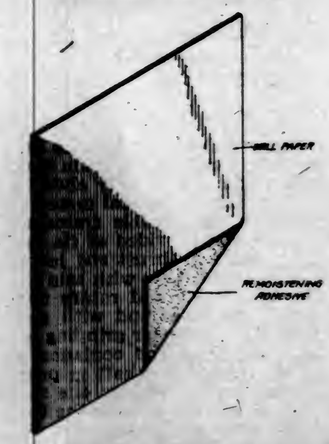
4. For grinding an annular surface on an object, an apparatus comprising a main frame having a vertical guide, a vertically slidable frame mounted in the guide, a vertical motor actuated shaft journaled in the slidable frame and carried by the same and provided at its upper end with a chuck, a vertical thrust rod journaled in the slidable frame co-axially with said shaft and mounted for both sliding and rotary movement, and provided at its lower end with means cooperating with said chuck for gripping an object to be ground, closely spaced coplanar grinding wheels grouped around said shaft in position for grinding the object held between the chuck and the thrust rod, means for locking the thrust rod in engagement with said object, and operating means for raising and lowering the slidable frame to carry the object into and out of engagement with the grinding wheels.

2,424,545
REVOLVING ELECTRICALLY CONDUCTIVE JOINT
Francis N. Bard, Highland Park, Ill.
Application October 23, 1942, Serial No. 463,039
12 Claims. (Cl. 174—21)



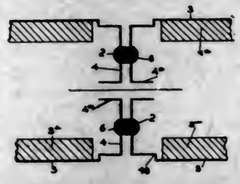
2. A revolving electrically conductive joint of the character described, including: a first joint part, at least a portion thereof being electrically conductive; a second joint part, at least a portion thereof being electrically conductive, the two parts being connected for swivelling about an axis and providing a chamber concentric with said axis; a body of electrically conductive liquid under positive static pressure completely filling said chamber and making contact with the electrically conductive portions; and means sealing said liquid in the chamber to confine it therein during rotation between the parts.

2,424,546
PREGUMMED HANGING MATERIAL
Jordan V. Bauer, Elmwood Park, and Rudolph A. Selner, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York
Application September 6, 1943, Serial No. 501,408
9 Claims. (Cl. 117—122)



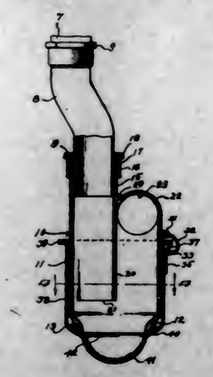
1. A pregummed hanging material comprising a base material having thereon a dried coating of an adhesive comprising as an adhesive base a hydrolyzed cereal flour having a reducing sugars content of at least 5% and not more than about 26% by weight of said dried coating calculated as dextrose, said adhesive coating when moistened possessing retack properties and slip characteristics permitting said material to slide while the adhesive is still wet after it is first applied to a surface.

2,424,547
WALL CONSTRUCTION
Raymond Béhin, Gennevilliers, France; vested in the Attorney General of the United States
Application May 15, 1940, Serial No. 335,199
In France April 26, 1939
7 Claims. (Cl. 189—34)



1. A wall construction comprising a base member having spaced pins projecting upwardly therefrom, a panel adapted to occupy a vertical position with respect to said base, said panel having a vertically extending channel formed with a vertically disposed groove in its web, said groove operatively receiving some of the pins so as to position the panel relative to said base member.

2,424,548
SINK TRAP
Harry A. Bell and Walter S. Allen, Detroit, Mich.
Application November 15, 1943, Serial No. 510,358
2 Claims. (Cl. 182—24)



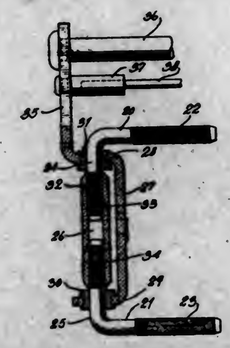
1. A liquid seal trap comprising a body portion, an inlet pipe connected to the body portion and having its lower end terminating adjacent the lower end thereof, a tubular member connected to the body portion and providing an outlet, a cup-shaped sediment sump for the lower end of the cylindrical body portion, complementary packing seats formed on the lower portions of said casing and sump, a packing ring interposed between said packing seats, and clamping members interconnecting said sump and said body portion for removably holding said sump in sealing contact with said body portion, said sump having its sidewall extending upwardly relatively to the sidewall of said body portion and having its upper edge disposed remote from said packing seats.

2,424,549
SUBMARINE SIGNAL DETECTOR OR RECEIVER
Robert Black, Jr., South Orange, and Frank F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1943, Serial No. 494,741
7 Claims. (Cl. 177—386)



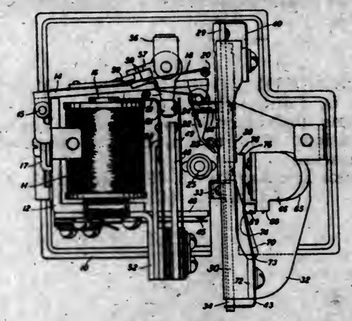
1. A submarine signaling device comprising a vibratile housing, electromechanical transducer means within said housing and actuable in accordance with vibrations thereof, and means upon a portion of said housing for producing a phase difference between the opposed forces acting upon said portion and a second portion opposite thereto due to compressional signal waves incident upon the housing.

2,424,550
ELECTRIC RINGER
Oscar J. J. Bracke, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1943, Serial No. 475,688
In the Netherlands and Belgium
November 15, 1940
6 Claims. (Cl. 177—7)



1. A bell ringer comprising a magnetic yoke, a pair of substantially parallel electromagnet cores attached to said yoke, coils on said cores, a permanent magnet located between said cores and also attached at one of its ends to said yoke, and an armature and bell striker assembly unit pivotally mounted on the other end of said permanent magnet.

2,424,551
CONTROLLING MECHANISM
Henry B. Brown, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1943, Serial No. 505,279
8 Claims. (Cl. 172—126)



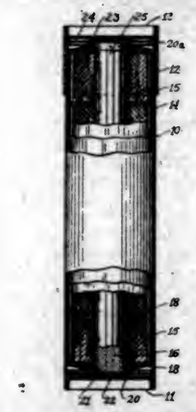
1. In a controlling mechanism a motor magnet, an energizing circuit therefor, a rack, a spring for yieldingly holding said rack in normal position, a main armature and an auixliary armature for said magnet, interrupter springs included in said circuit, means controlled by said main armature for opening said springs at the end of the attracted stroke of said main armature, for maintaining said springs open under control of said auxiliary armature while the main armature is releasing from its attracted position and for permitting the closing of said springs when the main armature has completed its release stroke, a hold magnet, an energizing circuit therefor, a spring pawl controlled by said hold magnet for maintaining said rack in advanced positions when said hold magnet is energized and for releasing said rack when said hold magnet is released, said hold magnet and spring pawl being so arranged that when the spring pawl is holding said rack in an advanced position it exerts a holding force directly opposite to the force exerted by the rack spring on said rack and when the spring pawl is released from said rack it exerts a releasing force which is in a direction away from the rack and at an angle less than a right angle to the direction of the force exerted by the rack spring on said rack.

2,424,552
FROTH FLOTATION OF NONMETALLIC MINERALS
Julius Bruce Clemmer and Carl Rampacek, Tuscaloosa, Ala.
No Drawing. Application May 1, 1945, Serial No. 591,293
8 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for beneficiating ores of nonmetallic minerals of the class consisting of calcite, barite, strontianite, witherite, and tricalcium phosphate containing siliceous gangue materials which comprises blunging an aqueous pulp of the comminuted ore in the presence of sufficient hydrated lime to establish a pulp pH of at least about 11, thereafter removing the lime remaining in solution, until said pulp contains not more than 100 parts per million of soluble lime, and then subjecting said pulp to agitation and aeration in the presence of a quantity of caustic alkali to establish a pulp pH at least as alkaline as pH 10,

and an alkali-soluble inorganic phosphate selected from the group consisting of metaphosphates and polyphosphates, together with an anion-active collecting agent selected from the class consisting of fatty acids and resin acids and mixtures of fatty and resin acids and soaps thereof, whereby siliceous gangue is floated and beneficiated nonmetallic mineral is depressed and recovered.

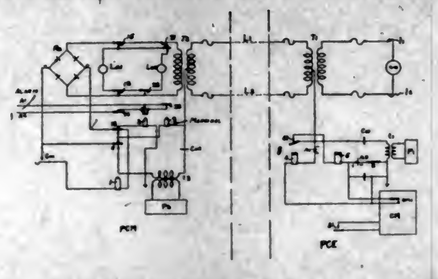
2,424,553
PACKAGE OF ROLLS OF SHEET MATERIAL
John D. Conti, Philadelphia, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 5, 1944, Serial No. 517,007
5 Claims. (Cl. 206—52)



1. A shipping package for nonfibrous sheet material comprising a roll of nonfibrous sheet material having a hollow core, an arbor passing through said core and projecting therefrom at each end stiff perforate disks of diameter larger than the roll threaded on the arbor adjacent each end of the roll, a lock collar secured to each projecting end of the arbor and pressing securely against the disks, a protective liner of nonfibrous sheet material completely enclosing the roll, arbor, disks and collars, its ends folded over and closely wrapped about the projecting ends of the arbor, a lock disk inserted over each wrapped end of the arbor securing the liner against the arbor and preventing its loosening and unwrapping, and a protective outer cylinder having covers at each end adjacent the lock disks enclosing said liner and contents, the stiff perforated disks within the liner closely fitting the walls of the cylinder through the liner, preventing movement of the nonfibrous sheet material roll within the cylinder.

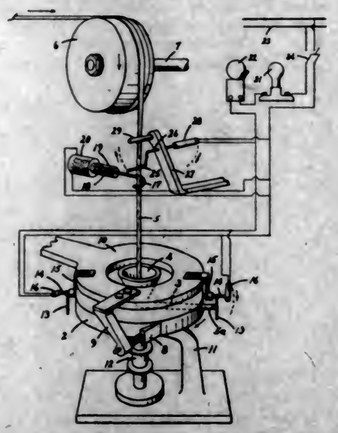
2,424,554
ELECTRICAL SIGNALING SYSTEM
Pierre Lucien Charles Cornu, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 1, 1943, Serial No. 477,648
In France August 23, 1939
7 Claims. (Cl. 177—311)

3. In a control and signal system a controlled station, a control station, a circuit comprising two line wires connecting the stations, means at the controlled station applying an alternating current to said circuit for transmission to the control station, means at the control station for rectifying said current and applying it with a given polarity to a circuit between the stations comprising the line wires in multiple and the ground, means in said first circuit at the control station for indicating a variation of the current flowing in said circuits, means in the second circuit for controlling the connection of the indicating means in circuit and thereby supervising the first and second circuits and the alternating



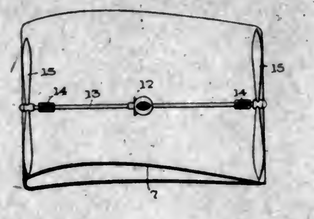
current applying means, means at the control station for reversing the polarity of application of the rectified current to said second circuit, means at the controlled station responsive to such reversal for accomplishing a desired control, means responsive to said accomplished control to cause a variation of said reversed current, and means at the control station responsive to said variation of current for indicating the accomplishment of said control.

2,424,555
CUTTING APPARATUS
Dale M. Curtis, Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 10, 1945, Serial No. 604,143
11 Claims. (Cl. 164—38)



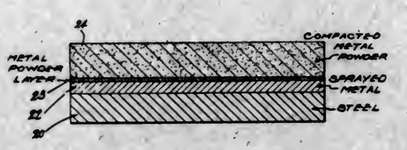
1. In combination, means for cutting continuous filaments into discontinuous lengths, means for delivering the material to the cutting means, means for interrupting delivery of the material to the cutting means, and means operated upon interruption of such delivery for maintaining a predetermined minimum tension in the material proceeding from the delivery means.

2,424,556
MULTIPLE PROPELLER WING CHANNEL
Willard R. Custer, Hagerstown, Md.
Application June 17, 1944, Serial No. 540,837
2 Claims. (Cl. 244—12)



1. An airplane including a fuselage, a wing extending from each side of the fuselage, a portion of each wing being channeled fore and aft and opening upwardly, and propellers mounted in each channel in close proximity to the leading and trailing edges thereof, the propeller discs being in close proximity to the walls of the channels to reduce tip losses.

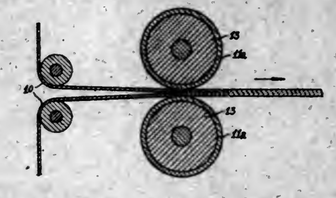
2,424,557
COMPOSITE ARTICLE AND METHOD OF MANUFACTURE
Donald W. De Bra, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1944, Serial No. 542,289
6 Claims. (Cl. 29—191.2)



2. In the method of making a composite article comprising a ferrous wear surface bonded to a steel supporting member, the steps of sand blasting a steel supporting member, spraying cupreous metal upon the surface thereof in a layer of substantial thickness, spreading a thin layer of cupreous metal powder on the sprayed metal, applying a relatively thicker layer of iron powder thereon briquetting the cupreous powder and the iron powder onto the surface of the sprayed metal in a layer of at least twice the thickness of the sprayed metal, sintering the composite article so formed under non-oxidizing conditions and at a temperature ranging between 1900 and 1950° F. for a period of about one-half hour for causing the homogenization of the cupreous layer and the sintering of the ferrous layer and simultaneously causing a diffusion of the cupreous material into the ferrous layer and into the steel.

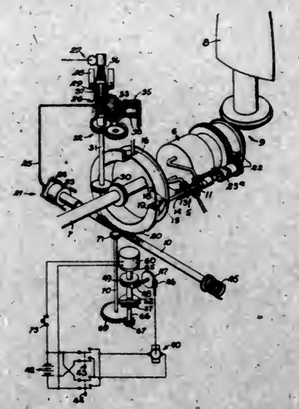
6. A new article of manufacture comprising: a composite structure including a sintered porous ferrous layer bonded co-extensively to a steel supporting back through the medium of a sprayed copper layer which was applied to the back prior to the application of the porous ferrous layer whereby the sprayed copper layer is homogenized and metallurgically diffused during the sintering of the ferrous porous layer.

2,424,558
APPARATUS FOR HEAT SEALING
William R. P. Delano, New York, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 13, 1944, Serial No. 518,119
4 Claims. (Cl. 154—42)



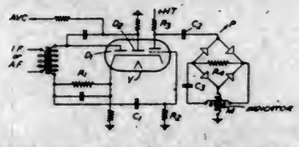
1. In an apparatus for heat-sealing thermoplastic sheeting to itself or to other materials, the combination of, a rotatable roller, means for heating said roller, and a seamless tubing of non-fibrous hydrophilic material fixed to the arcuate surface of said roller.

2,424,559
CONTROL FOR VARIABLE PITCH PROPELLERS
George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application November 26, 1943, Serial No. 511,820
5 Claims. (Cl. 170—163)



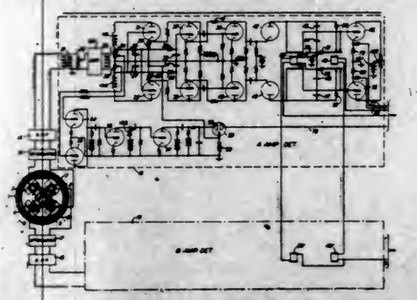
1. The combination with a variable pitch propeller of, a member movable back and forth varying distances to adjust the pitch of said propeller, a hydraulic actuator for said member, a governor driven in unison with said propeller and automatically regulating the energization of said actuator to maintain the speed of said propeller constant, a reversible electric motor, a driving connection between said motor and said member including an irreversible worm gearing operable to prevent the motor to be driven by said actuator, said connection also including a clutch interposed between said member and said gearing and releasable to permit movement of said member by said actuator or engageable to lock the member against movement by the actuator, and valve means operable automatically to release fluid from said actuator during movement of said member in one direction by said motor.

2,424,560
VISUAL COURSE INDICATOR FOR RADIO DIRECTIVE SYSTEMS
Charles William Earp, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application November 23, 1942, Serial No. 466,656
In Great Britain December 26, 1941
5 Claims. (Cl. 177—352)



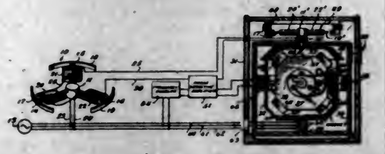
1. A visual course indicating arrangement in a radio directive system of the kind in which complementary dot-dash signals of substantially rectangular wave form having one sign for dot signals and the opposite sign for dash signals are transmitted to the right and left respectively of a course line so as to produce in a receiver on said line a continuous dash, comprising a rectifier to which the received signal is applied, means for removing the direct current component from the output of said rectifier, means for obtaining from the variable portion of the output of said rectifier a continuous wave of constant shape and phase irrespective of whether the dot or dash signal is being received, and a dynamometer type indicating instrument to one winding of which the variable rectified original signal component is applied and to the other winding of which the said continuous wave of constant shape is applied.

2,424,561
SYSTEM FOR LOCATING THE SOURCE OF AN EXPLOSION WAVE
Paul G. Edwards, Verona, N. J., and Donald D. Robertson, Hartsdale, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1943, Serial No. 515,888
8 Claims. (Cl. 234—1.5)



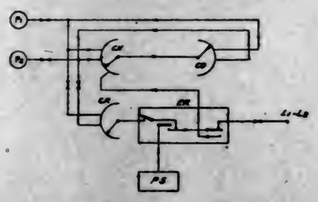
1. In a system for locating the source of an explosion wave, the combination with two directional microphone units of the cosine-type having their axes of sensitivity disposed in quadrature and an amplifier detector circuit for each microphone unit including two condensers and means for selectively charging one of the condensers according to the polarity of the first pulse of the wave picked up by the unit, of a recorder, recorder control mechanism for connecting the recorder to the circuits in succession to record the magnitude and polarity of the charges in each of the condensers so charged, and means in at least one of the circuits energized by the first pulse of the wave and effective after a predetermined interval to initiate the operation of the recorder control mechanism.

2,424,562
GYRO FLUX VALVE COMPASS SYSTEM
Caesar F. Fragola, East Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Continuation of application Serial No. 436,965, March 31, 1942. This application March 31, 1944, Serial No. 528,838
15 Claims. (Cl. 33—204)



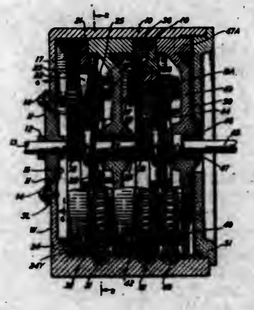
11. A gyro flux valve compass system comprising a first flux valve adapted to be mounted to rotate in azimuth with the vessel on which the system is employed, a directional gyro, precessing means for changing the azimuthal position of the gyro, a second flux valve responsive to the magnetic field in which it is located, means for creating at said second flux valve an artificial field much stronger than the earth's field at said second flux valve, said second flux valve being rotatably positioned in said artificial field by said directional gyro, said field-creating means being fixed against azimuthal rotation relative to said first flux valve, and circuit means for controlling said gyro precessing means in accordance with the difference between the outputs of the two flux valves to maintain the azimuthal position of the gyro substantially constant in relation to the earth's field.

2,424,563
PRIVATE AUTOMATIC BRANCH EXCHANGE SYSTEM
Fernand P. Gohorel, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 22, 1943, Serial No. 491,805
In France August 8, 1939
15 Claims. (Cl. 179—27)



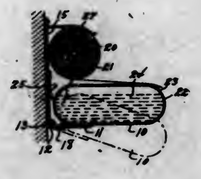
1. In a telephone system, a private branch exchange, a plurality of subscribers' stations connected with said exchange, means including a numerically operable switch and controlled by a calling station for establishing a connection between it and a called station, an outside line terminating at the exchange, means including said automatic switch and controlled from a calling station for connecting it with said line, and other means also including said automatic switch controlled by a station for connecting the outside line with any one of said stations.

2,424,564
GEARED SPEED REDUCER WITH MEANS FOR ADJUSTING BACKLASH
Warwick W. Halbrook, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 16, 1945, Serial No. 605,274
4 Claims. (Cl. 74—421)



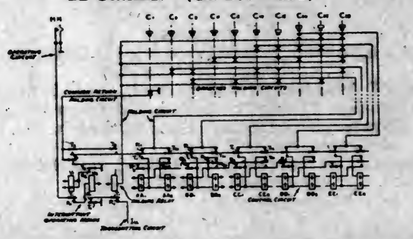
1. In a gear reduction mechanism, a cylindrically-shaped casing, a driving shaft, a bearing for said shaft secured to said casing, a pinion keyed on said shaft, a disc-shaped support fitted into said casing, a spindle mounted for rotation on said support having a gear keyed on one end thereof, said bearing being adjustable relative to said gear for positioning said pinion in adjusted meshing relation with said gear, a pinion on the other end of said spindle, another disc-shaped support fitted in said casing, a shaft mounted on said support eccentrically thereof, a gear keyed on said shaft engaging the second-mentioned pinion, the second-mentioned disc-shaped support having a worm gear portion, a worm mounted for rotation in said casing engaging said worm portion for rotating said disc-shaped support for adjustably positioning said gear in meshing relation with the second-mentioned pinion.

2,424,565
PAPER MOISTENING DISPENSER
Harold M. Herman, Steger, Ill.
Application February 15, 1944, Serial No. 522,476
1 Claim. (Cl. 91—43)



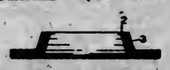
A dispenser of the character described, comprising a liquid container movably supported and having openings in its upper end, a material roll supporter adapted to direct the material against the liquid container to move the liquid container in its passage over the same, and a spring bumper engaging the liquid container for retarding the return movement of the liquid container.

2,424,566
ELECTRICAL SIGNALING SYSTEM
Amedee A. C. Heron, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1943, Serial No. 478,702
In France June 6, 1940
11 Claims. (Cl. 177—353)



1. In a system of the character described, a transmitting circuit, operating means intermittently opening and closing said transmitting circuit to transmit intermittent impulses over the same, a holding circuit including a holding relay supplied thereby, a first holding contact disposed in said transmitting circuit and opened and closed by said holding relay, said holding circuit including a plurality of branches terminating in a common return line, a second holding contact disposed in said holding circuit and adapted to be opened and closed by said holding relay, contact means disposed in said return line and operated by said operating means to intermittently open and close said return line, switch contacts disposed in said branches, switch means adapted to actuate a plurality of switch contacts of different branches simultaneously, to connect said branches to or disconnect same from said return line, control circuits associated with said branches, the said second holding contact, and said contact means, said control circuits being interconnected and adapted to be energized in sequence, each control circuit including relays under the control of said operating means connected to be operable to open different respective branches of the holding circuit and thereby permit closing of the transmitting circuit only after energizing of the preceding control circuits, whereby, depending upon the actuation of said switch contacts, various sequences of control circuits may be connected to said return line.

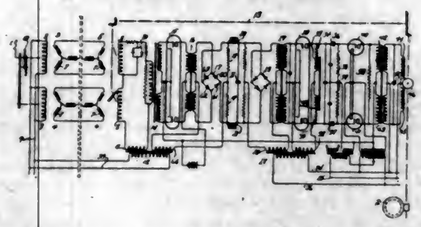
2,424,567
PACKING AND METHOD OF MAKING THE SAME
Ralph M. Hill, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 24, 1942, Serial No. 470,656
14 Claims. (Cl. 288—4)



1. A composite packing, such as a cup washer or the like, which is made of a layer of an artificial plastic composition which has some elasticity and which includes a body material which will swell when in contact with a solvent without disintegrating and which will be exposed to the action of such solvent in use joined integrally to a second layer having substantially the same physical characteristics but less tendency to swell when in contact with the solvent and which will

engage the surface to be sealed when in use, and an extraneous binder inert to the action of the solvent bonding the body ingredients of each layer and joining the layers together against separation upon differential swelling of the layers, said second layer including a greater volume of said inert binder than the other layer.

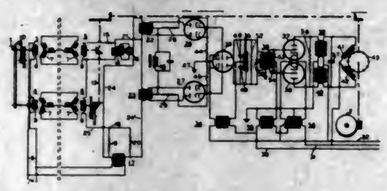
2,424,568
SELF-SYNCHRONOUS POSITIONAL CONTROL SYSTEM
Eric J. Isbister, Brooklyn, N. Y., and Francis L. Moseley, Chevy Chase, Md., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 17, 1939, Serial No. 304,895
12 Claims. (Cl. 172—239)



1. A position control system of the character described comprising, a plurality of objects arranged to move in synchronism, synchronizing means interconnecting said objects, said synchronizing means including an alternating current supply, means fed therefrom for setting up an alternating reversible phase potential responsive to the departure of the objects from synchronism, means for modulating said alternating potential to convert the same into a reversible direct current potential, a second source of alternating current supply, modulating means fed from said second source of supply connected for receiving said reversible direct current signal and for converting the same back into a reversible phase alternating current signal, thermionic means for receiving said alternating current signal, a servomotor mechanism controlled from said alternating current signal including a motor for driving said controlled object, and a follow-up connection from said servomotor mechanism to said alternating, reversible phase potential setting up means.

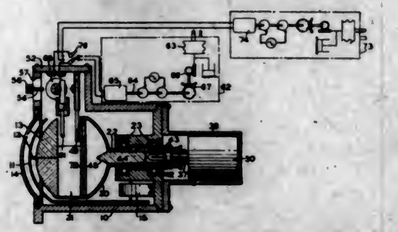
12. In a positional control system, controlling and controlled objects, transmitter - receiver means for producing a signal potential dependent upon relative movement of said objects, push-pull thermionic tube means for receiving said signal potential, a pair of output transformers having primary windings connected to the outputs of said thermionic tube means, a reversible motor having stator windings connected in series with the secondary windings of said transformer means, said motor being connected for driving the controlled object, a single phase supply for said motor, said motor having a condenser connected across its series connected stator windings, said thermionic tube means serving to short one or the other of said transformer secondary windings, in effect, to thereby selectively connect one of said stator windings directly across said single phase supply and the other of said windings across said supply in series with said condenser, thereby effecting reversible operation of said motor, and a follow-up connection between said motor and said transmitter-receiver means.

2,424,569
ELECTRIC MOTOR FOLLOW-UP SYSTEM
Francis L. Moseley, Chevy Chase, Md., Eric J. Isbister, Brooklyn, N. Y., and Hayes B. Steinhauser, Jersey City, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 6, 1941, Serial No. 382,020
11 Claims. (Cl. 172—239)



4. A positional control system of the character described comprising a plurality of objects arranged to move in synchronism, synchronizing means interconnecting said objects, said synchronizing means including high speed and low speed transmitter and connected receiver arrangements for setting up alternating variable signal potentials responsive to the departure of said objects from synchronism, transformer means for supplying a fixed alternating potential, means connecting said fixed alternating potential in series with said variable signal potentials, thermionic rectifier means, said transformer means also supplying an additional alternating reference potential for combination with said other potentials for application to said thermionic rectifier means to produce a reversible direct current potential, thermionic tube means for receiving said reversible direct current potential and for reconverting the same into an alternating current potential, motive means controlled from said thermionic tube means for causing said objects to return to synchronism, and a follow-up connection between said motive means and said high and low speed receiver arrangements.

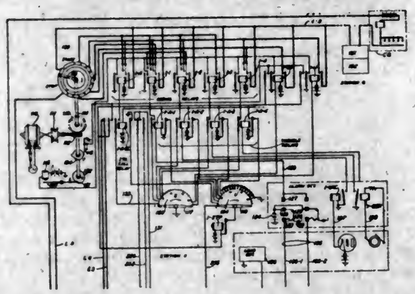
2,424,570
CROSS POINTER METER
Frederic A. Jenks, Rockville Centre, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application May 26, 1943, Serial No. 488,618
13 Claims. (Cl. 177—311)



3. A cross pointer meter for dirigible craft including a casing having a bank indicating reference fixed thereon, a movable pair of crossed pointers in said casing, means for positioning the pointers in accordance with the displacement of the craft from a desired path, a background element providing horizontal and vertical reference scales for the crossed pointers and providing an index for the bank indicating reference on the casing, means for pivotally mounting said

element in said casing for movement about a fore and aft axis relative to the craft, and means for stabilizing said element as said craft rolls about its roll axis.

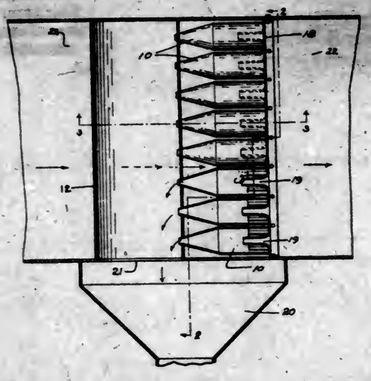
2,424,571
TELEGRAPH ALARM SYSTEM
Wilmarth Y. Lang, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1943, Serial No. 500,743
12 Claims. (Cl. 177—353)



4. A communication system comprising a plurality of outlying stations, a main station, a channel interconnecting said stations, a printing telegraph instrumentality at each of said stations for communication between said stations over said channel, said instrumentality at each of said outlying stations comprising in addition to the printing mechanism a switching mechanism selectively operative from said instrumentality at said main station, means at each of said outlying stations for identifying any one of a plurality of trouble conditions at its own particular station, other means responsive to said means for automatically transmitting telegraph signals over said channel, receiving means included in each of said instrumentalities for converting and recording signals incoming over said channel to indicate the nature and location of said one trouble condition, and still other means in each of said outlying stations responsive to signals transmitted from said main station for selectively operating said switching mechanism at the instrumentality at the station whereat said one trouble condition occurs to correct for said one trouble condition.

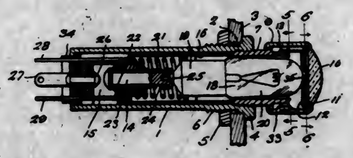
2,424,572
DUST COLLECTOR
Roland L. Lincoln, Dover, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application June 11, 1945, Serial No. 598,819
7 Claims. (Cl. 183—80)

1. A dust collector comprising a housing having a gas inlet in one side thereof, a hopper below said housing, a plurality of spaced dust chambers extending substantially vertically in said housing above said hopper and downstream with respect to gas flow of said inlet, a plurality of cyclone tubes having substantially horizontal axes in said housing downstream with respect to gas flow of said chambers, spaced spin inducing tongues in the gas inlet ends of said tubes, means forming a wall extending across the side of said housing opposite said inlet and extending across said gas inlet ends of said tubes, and axial gas free outlet passages extending from the interiors of said tubes through said wall, said tubes being arranged in vertical rows in alignment with said chambers and having their dust outlet ends located upstream in said housing of their said gas inlet ends and connected to the interiors of said chambers on the downstream side thereof for discharging



dust thereinto, the gas from said inlet passing between said chambers and between said tongues into said gas inlet ends of said tubes, said chambers discharging the dust into said hopper.

2,424,573
TELL-TALE AND TESTING LIGHT
Vincent Anthony Marco, Beverly Hills, Calif.
Application February 24, 1943, Serial No. 476,955
4 Claims. (Cl. 177—311)

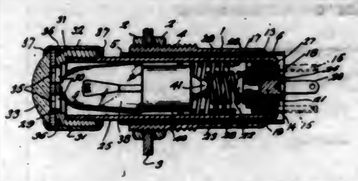


1. A combination tell-tale and testing light comprising a tubular housing having a projecting end, a cap slidable on the projecting end of said housing and having a lens, an insulating block mounted in the housing, a fixed contact mounted in said block, a plunger contact of conducting material slidably mounted in the block and engageable with the fixed contact, an electric lamp slidably mounted in the housing and including a base contact engaged with the plunger contact, means yieldingly urging the plunger toward the lamp, said cap being operable for manually sliding the lamp in one direction for engaging the plunger contact with the fixed contact, and resilient means in the housing for sliding the lamp and cap in the opposite direction and maintaining them engaged.

2,424,574
SIGNAL LIGHT
Vincent Anthony Marco, Beverly Hills, Calif.
Application October 16, 1943, Serial No. 506,566
5 Claims. (Cl. 177—311)

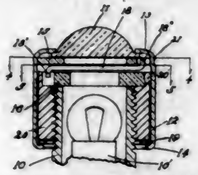
1. A signal light of the character described comprising a housing, a stationary disc of insulating material mounted in said housing, contact rings mounted on the opposite faces of the disc, a cylinder slidably mounted in the housing, an electric lamp mounted in said cylinder, means on the disc for electrically connecting the lamp to a source of current, and means on the

cylinder for electrically connecting the lamp to one or the other of the rings upon movement of



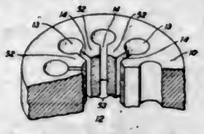
said cylinder in opposite directions in the housing.

2,424,575
LIGHT SHUTTER AND DIMMER
Fred J. Aves, Beverly Hills, Calif., assignor to Vincent A. Marco, Los Angeles, Calif.
Application June 7, 1944, Serial No. 539,129
4 Claims. (Cl. 240—8.16)



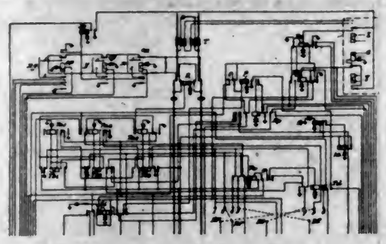
1. In a filter and dimmer unit for attachment to a signal light, a cylindrical housing having a lens in one end thereof and a movable connecter at the other end for connecting the device to a signal light, a filter and shutter assembly within the housing for controlling the light passage therethrough, said assembly comprising two translucent shutter operating rings having diametrically opposed radial slots, and a plurality of laterally movable shutter elements positioned between said rings and having a lug extension engaging in a slot in each of said rings, and means for effecting relative rotational movement of the rings to effect lateral movement of the shutter members.

2,424,576
OSCILLATOR
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1944, Serial No. 559,392
6 Claims. (Cl. 250—27.5)



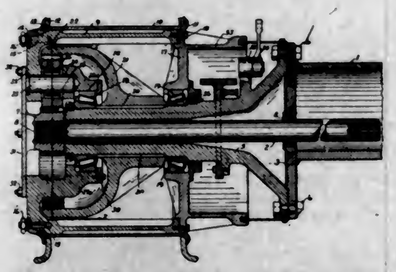
1. An oscillator comprising two spaced conductive surfaces in opposing relation forming a wave transmission line, said line having a plurality of side chambers opening out therefrom and dividing one of said surfaces into a plurality of segments, means coupled to said line to excite oscillations in said line and said side chambers, and a damping layer of ohmic resistive material forming the external surface of one of said segments, whereby damping is introduced into said line and oscillations of one particular resonant frequency of the system are favored.

2,424,577
LONG DISTANCE TELEPHONE SIGNALING SYSTEM
Marcel Roger Mauge, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,406
In France May 28, 1941
8 Claims. (Cl. 179—27)



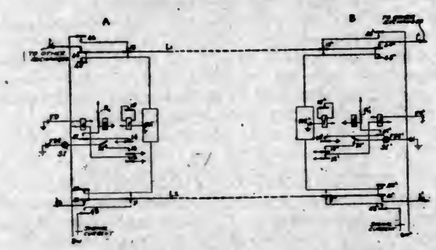
1. In a voice frequency signaling system, two switching points, means including trunk lines and switching means for establishing a circuit between said points, means at the first point for sending control signals preceded by preparatory signals over said circuit at a frequency comprised within the voice frequency band, means at the second point for sending an acknowledging signal over said circuit, acknowledging signal responsive means at the first point, means at the first point for repeating the preparatory signal until the last-mentioned means responds, and means at the first point for varying the duration of the preparatory signal and for rendering it effective only after the expiration of a predetermined period of time.

2,424,578
WHEEL AND AXLE UNIT
Edward H. Mortag, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application December 6, 1944, Serial No. 566,922
3 Claims. (Cl. 74—287.5)



1. An axle and wheel unit of the class described, comprising a stationary hollow axle member, a driving shaft mounted for rotation therein and passing therethrough, a driving pinion stationary on the outer end of said shaft and external to the axle member, a hollow hub surrounding the axle member and comprising an inner end plate, antifriction bearings between the end plate and the axle member, a spider carried by the outer end of the hub and projecting into the hollow space thereof, a series of planet pinions rotatively supported on said spider and disposed within the hub and meshing with the driving pinion aforesaid, a ring gear having internal gear teeth and comprising a hub portion splined to the stationary axle member, receiving therein the portion of the spider projecting into the hollow space of the hub, and having its gear meshing with the teeth of the planet pinions, supporting shafts for the driven pinions carried by the spider and displaceable outwardly therefrom and from the hub member, a closing plate for closing the outer portion of the hub member cooperating with the planet pinion shafts to hold the same in position and removable to enable access to the planet pinion shafts while the latter remain in position, the planet pinions, and the ring gear, and bearing means intermediate the innermost portion of the spider and said axle member located within the hub.

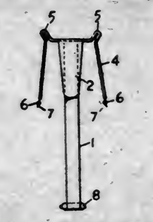
2,424,579
ELECTRIC SIGNALING SYSTEM
Gabriel J. M. Penet, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1943, Serial No. 478,701
In France July 10, 1939
6 Claims. (Cl. 177—353)



5. In a communication system, two exchanges, lines leading to each exchange, a trunk interconnecting said exchanges, means at each exchange for connecting a line terminating thereat with the trunk, receiver means at each exchange normally connected to said trunk to respond to signals thereover, means at each exchange for applying a signal to said trunk and for simultaneously disconnecting the trunk from the receiver and from the line at the exchange where the means is operated, means operated by each receiver when responding to a signal of a given duration for thereafter closing a control circuit if the signal lasts for a predetermining additional duration, and means also operated by the last-mentioned receiver-operated means for operating the impulse-applying and disconnecting means to disconnect the trunk from the impulse-applying means after the operation of the receiver-operated means for the said duration only, whereby an impulse originating at one exchange will operate the control circuit at the other exchange if it lasts for said predetermined duration and the additional duration, but if the signal originates on a line then neither control circuit will be completed irrespective of the length of such signal.

2,424,580
NECKTIE
Charles W. Peacock, Miami, Fla.
Application July 27, 1945, Serial No. 607,403
1 Claim. (Cl. 2—153)

A neckwear structure comprising a rigid strip, a downwardly tapering block carried by the upper end of said strip and being transversely grooved at the upper end, a U-shaped wire member including an intermediate portion covered by a colored plastic sleeve and glued in the groove of said block, said member also including upwardly projecting side loops each at one end of the intermediate portion and adapted to engage the neckband of a shirt collar, said member also including end portions extending in diverging relation from an end of a loop and terminating in a spur, said spurs being adapted to penetrate



a shirt collar flap, a clip member carried by the lower end of the strip, a piece of fabric simulating the knot of a necktie and wrapped around said block, a main fabric flared necktie portion secured at its upper end to the inner side of the piece of fabric and folded around and enclosing a portion of said strip and having a transverse slot in its rear fold, said slot permitting the passage of said strip.

2,424,581
CAN BEADING MACHINE WHICH SKIPS LONGITUDINAL SEAMS
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 5, 1943, Serial No. 509,108
10 Claims. (Cl. 153—73)

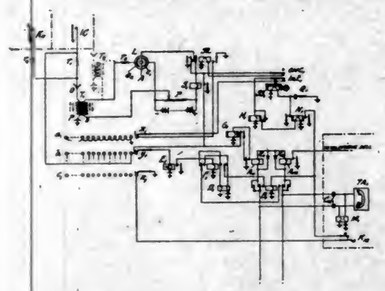


10. In a can body beading machine, the combination of a support for a tubular can body having a side seam, a roller disposed adjacent said support for forming an annular bead in the side wall of the can body, said roller having an axial extension, means for effecting rotary movement between said can body support and said roller so that the roller will peripherally traverse and form a bead in the side wall of the can body, and means rotatable on the axis of said can body and engageable with the axial extension of said roller for bodily moving the roller away from said support at the side seam of the can body to skip the seam and thus prevent forming of the bead through said side seam.

2,424,582
ELECTRICAL SIGNALLING SYSTEM WITH REMOTE CONTROL
Willy Pouliart, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 22, 1943, Serial No. 473,276
In the Netherlands June 23, 1941
11 Claims. (Cl. 179—85)

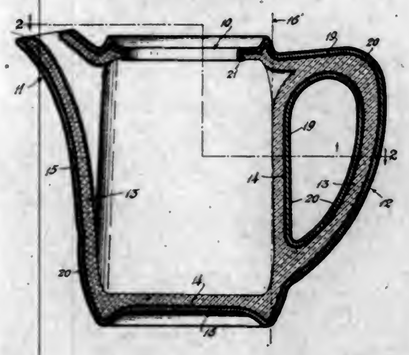
1. In an electrical signaling system, a variably operable first and second switch, two metallic

wires between said switches, indicating means associated with the first switch, a plurality of mechanisms and a corresponding plurality of contact sets associated with the second switch, said mechanisms having a plurality of positions, cooperating contacts for each switch, a resistance for each contact set, a cold-cathode tube, means responsive to a change in the position of



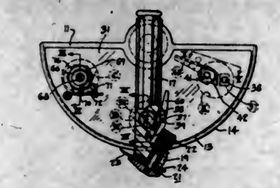
any of said contact sets to produce an electrical surge to ionize the cold-cathode tube, means for operating the second switch controlled by the tube, means for operating the first switch controlled by the second switch, and an actuating circuit for said indicating means controlled by said contact sets over said wires and the cooperating contacts of said switches.

2,424,583
PLATED ARTICLE AND METHOD OF MANUFACTURING SAME
Erik T. Rahm, Stockholm, Sweden, assignor of forty-five per cent to Gunnar Edward Ferdinand Palm, Calle Altamirano, Mexico
Application November 3, 1941, Serial No. 417,718
4 Claims. (Cl. 220—64)



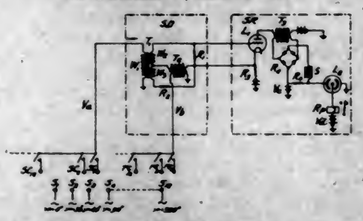
4. A receptacle having an integral body and a handle of vitreous material for holding hot liquids, said body only being provided with an electro-deposited protective coating of copper while said body and handle are covered with an electro-deposited coating of at least one metal selected from the group consisting of nickel and chromium, at least the outermost of these layers forming a coherent continuous covering of metal for the outer surface of said body and handle; the absence of copper in the covering on the handle causing said handle to remain cool when a hot liquid is placed in said receptacle.

2,424,584
DERMATOME ATTACHMENT
John D. Reese, Philadelphia, Pa.
Application November 20, 1945, Serial No. 629,875
19 Claims. (Cl. 128—305.5)



5. For use with a dermatome of the type comprising a body member having a pair of spaced-apart side walls having pairs of axially-aligned openings therein and joined by a bottom wall having an outer convex surface, an attachment for temporarily retaining a flexible graft-transfer strip taut against said outer convex surface; said attachment comprising first means for holding one end of the graft-transfer strip and adapted to be supported in one of said pairs of axially-aligned openings, and second means for holding the other end of said strip with the intermediate portion of the latter against the convex outer surface and for pulling said strip to draw said intermediate portion thereof taut, said second means being adapted to be supported in another of said pairs of axially-aligned openings.

2,424,585
TELECOMMUNICATION SYSTEM
Stephane Simon, Jacob Kruithof, and Martinus den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 16, 1943, Serial No. 472,623
In the Netherlands March 7, 1941
22 Claims. (Cl. 179—27)

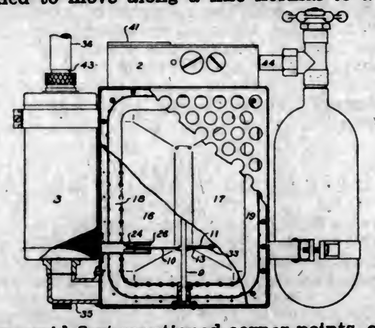


1. In an electric switching system, sources of single current potentials of different characteristics, equipment comprising a device responsive to said current potentials, means including a first switch for maintaining in said device a single current potential of a desired one of said characteristics, means including a second switch controlled by said device for applying to the device a series of current potentials of said different characteristics one at a time, and means for operating the device when the characteristics of the current potentials applied by the two switches bear a predetermined relationship to one another.

2,424,586
BREATHING APPARATUS
Harcourt C. Sontag, Arlington, Va.
Application May 3, 1939, Serial No. 271,517
2 Claims. (Cl. 128—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

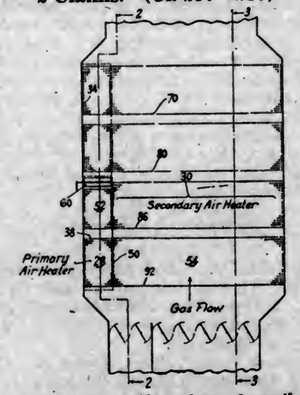
1. Means for operating a valve in accordance with changes of volume of a container which

comprises, a pair of oppositely located portions of said container movable in response to said changes, a linkage lying between and interconnecting said portions, said linkage comprising a diamond-shaped assemblage of inter-pivoted links, two of the opposite corner points of said assemblage being connected to said portions and the remaining two of said corner points being constrained to move along a line normal to a line



joining said first mentioned corner points, a link pivotally connecting two opposite side links of said assemblage and lying midway between and parallel to the remaining two of said side links, a shaft fixed with respect to said link, a spring normally maintaining said valve closed, and a lever fixed to said shaft and so located with respect to said valve as to engage and open said valve when said portions move toward each other.

2,424,587
AIR HEATER
Charles S. Smith, Westfield, and Will H. Rowand, Meadowbrook Village, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 13, 1941, Serial No. 406,596
2 Claims. (Cl. 257—230)



1. In apparatus of the class described; a primary air system including an air heater adapted to deliver heated carrier air to a fuel pulverizer; a secondary air supply system including an air heater adapted to deliver heated secondary air to a pulverized fuel burner of a furnace; each air heater including a group of spaced tubes disposed transversely of heating gas flow with the groups disposed alongside each other in parallelism and in the same transverse zone of the gas pass; means causing primary air and secondary air to flow through said groups of tubes in a plurality of series connected passes with the primary air separated from the secondary air; a division wall extending into said gas pass between said heaters in the direction of gas flow and separating parallel sub-passes in which the high temperature sections of said air heaters are disposed; said division wall being disposed in parallelism to said groups of tubes and terminating forwardly of the low temperature sections of the air heaters (relative to gas flow); the low temperature section of the primary air heater being always subject to the flow of gases which have passed over the high temperature section of the secondary air heater; and damper means disposed across the flow of gases over the high temperature section of the primary air heater and regulating the exit temperature of the primary air by varying the amount of furnace gas flow over the high temperature section of the primary air heater without effecting the same variation of flow of gases over the low temperature section of the primary air heater; the damper means being also disposed at the downstream end of the division wall and between the high and low temperature sections of the primary air heater.

2,424,588
LUBRICANT COMPOSITION
William J. Sparks, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 2, 1943, Serial No. 504,754
9 Claims. (Cl. 252—56)

1. A lubricant comprising a liquid petroleum hydrocarbon fraction containing dissolved therein about 0.5% to 30% of a linear polyester condensation product of a dimer of an unsaturated vegetable oil fatty acid with a glycol of the general formula HO—R—OH, in which R is an aliphatic hydrocarbon group, said condensation products having an average molecular weight of at least 2000.

2,424,589
PREPARATION OF BETA LACTONES
Thomas R. Steadman, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 14, 1944, Serial No. 558,745
4 Claims. (Cl. 260—344)

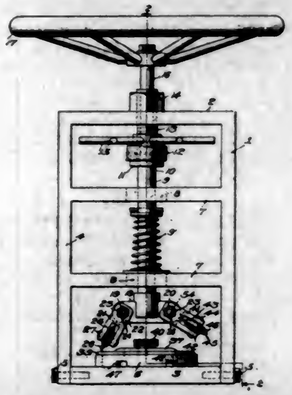
2. In the process of preparing beta-propiolactone by the reaction of ketene and formaldehyde, the steps which comprise first preparing a solution consisting of a Friedel-Crafts catalyst dissolved in a solvent consisting of previously prepared beta-propiolactone and then adding to the said solution, while maintaining its temperature below about 30° C., ketene and formaldehyde, whereupon the ketene and formaldehyde react to produce additional beta-propiolactone without formation of substantial quantities of other materials.

2,424,590
PREPARATION OF BETA LACTONES
Thomas R. Steadman and Paul L. Breyfogle, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 14, 1944, Serial No. 558,744
6 Claims. (Cl. 260—344)

1. In the process of preparing beta-propiolactone by reacting ketene with formaldehyde, the

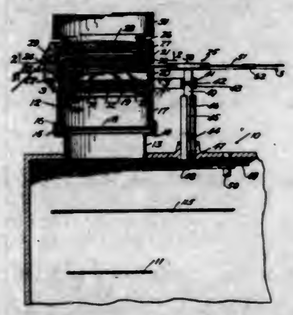
step which comprises carrying out the reaction at a temperature below about 30° C. in the presence of a catalyst comprising as an essential component a mixture of one part by weight of aluminum chloride with from 0.03 to 0.5 part by weight of zinc chloride.

2,424,591
MACHINE FOR RECLAIMING BEARINGS
Robert Stephens, Guthrie, Okla.
Application May 29, 1944, Serial No. 537,882
6 Claims. (Cl. 153—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



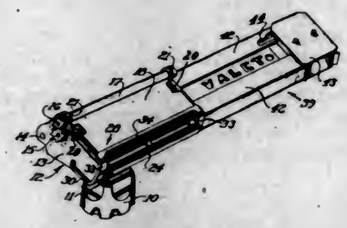
1. A machine of the character described comprising a frame, a hollow screw threaded in said frame, a shaft rotatably mounted in said screw and having a thrust bearing against an end of said screw, a seat in the base of said frame and spaced from one end of said shaft, a clamp containing various annular surfaces for securing a bearing on said seat, a circumferential wedged-shaped roller carried by said end of said shaft in a plane angular to the plane of said seat, said circumferential wedge-shaped roller adapted for spreading open the outer radial portion of a bearing shield.

2,424,592
SUBTRACTIVE METHOD AND MEANS OF OPTICAL IMAGE MODULATION
Ivan M. Terwilliger, Pasadena, Calif.
Application July 12, 1943, Serial No. 494,419
30 Claims. (Cl. 88—16.6)



1. A method of producing a sequence of optical images for successive viewing to create an illusion of depth of a scene having a plurality of planes of depth, which consists in passing a beam of light from said scene through a lens set to a sensitized medium, while constantly maintaining a preponderance of the beam of light effective in the exposures as a smaller fraction of the light beam is subtracted in a recurrent sequence at selected points in a plane transversely of the direction of propagation of said light beam and in synchronism with the exposure of a sequence of frames of film, whereby an internal modulation of the beam of light will be created to vary the emphasis of the parallax while varying the light density of the contour of local foreground images to give the illusion of separation between depth planes.

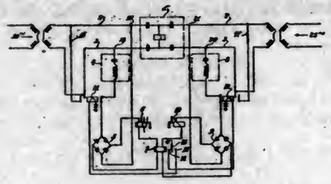
2,424,593
SAFETY RAZOR BLADE AND MAGAZINE THEREFOR
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 18, 1945, Serial No. 573,367
4 Claims. (Cl. 206—16)



1. A blade magazine comprising a rectangular enclosure having an outlet slot in one end, a feed slide mounted on the enclosure, an upstanding elongated positioning lug located near the opposite end of the enclosure, and having flat parallel sides, a stack of blades within the enclosure, each blade having a notch in one of its ends and a straight elongated slot entering into the body portion of the blade from said notch, said slots and said positioning lug co-operating to retain movably the blades in proper position in the magazine and serving also to guide positively the direction of endwise travel of a blade from the stack for a distance sufficient to insure its straight-line entrance into a razor when a blade is moved by the feed slide.

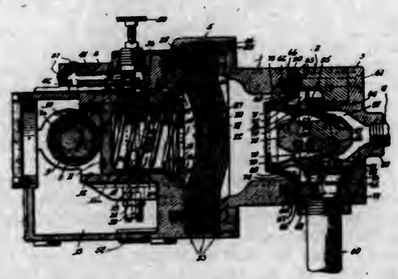
2,424,594
ELECTRICAL SIGNALING SYSTEM
Clement M. Theiliaumas, Boulogne Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,508
In France March 29, 1941
4 Claims. (Cl. 179—84)

1. A supervisory system of the character described, including a junction between an operator's and a line section, a high-pass filter located at said junction between said two sections, a polarized relay having two differential windings, first rectifier means feeding rectified signaling current to the first relay winding, second rectifier means feeding rectified ringing current to the second relay winding, secondary relay switching means actuated by said first mentioned relay and so connected as to open the operator's side of the supervisory circuit when signaling current passes over the line section and to open the line



side of said supervisory system when ringing current is supplied to the operator's section of said supervisory system.

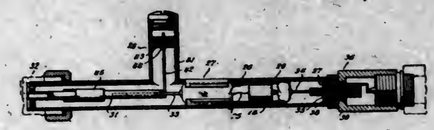
2,424,595
PUMPING MECHANISM
Charles F. Warren, Milwaukee, Wis., assignor, by mesne assignments, to Hydraulic Impact Tool Company, Milwaukee, Wis., a limited partnership of Wisconsin
Application March 13, 1944, Serial No. 526,188
12 Claims. (Cl. 103—44)



1. A pumping mechanism comprising a pump chamber with valve-controlled intake and discharge ports and an elastic diaphragm constituting one wall of said chamber, together with actuating means including a cylinder, a piston mounted for reciprocation therein, a column of liquid under pressure confined between said piston and said diaphragm and acting to bulge the diaphragm toward the pump chamber, and means operative to reciprocate the piston at high speed, said elastic diaphragm being of appreciable thickness whereby variation in the pressure of the liquid column operates to modify the curvature of the diaphragm and to vary the effective displacement area thereof presented in the pump chamber, said diaphragm having a bulge toward the pump chamber at all times including when the piston is at the end of its suction stroke.

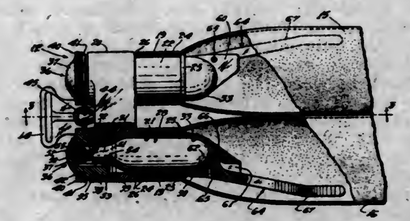
2,424,596
MICROWAVE WATTMETER UNIT
Hugh E. Webber, Williston Park, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application December 13, 1943, Serial No. 514,109
8 Claims. (Cl. 171—271)

1. In a radio frequency wattmeter, a coaxial line adapted to receive radio frequency power at one end and to be connected to a direct current circuit at the other end, said line having an outer hollow cylindrical conductor extending the length of the coaxial line and an inner rod extending from one end of the outer conductor partially toward the opposite end, and a hot wire unit extending from the inner end of the inner rod to the said opposite end of the outer conductor, said hot wire unit comprising a tubular bulb, a cylindrical condenser plate within said bulb, a power-absorbing wire or filament connected directly to said condenser cylinder at one end, and having



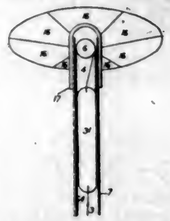
a connection from the other end to the inner end of said inner rod of the coaxial line, the bulb diameter conforming closely to the diameter of the condenser plate cylinder, and the internal diameter of the outer hollow cylindrical conductor at the said opposite end conforming closely to the outer diameter of the tubular bulb, whereby a by-pass condenser is formed at the end of the power-absorbing wire.

2,424,597
INFLATABLE DEVICE
John A. Werry, Cedar Grove Township, Essex County, N. J., assignor to Kidde Manufacturing Co., Inc., a corporation of Delaware
Application December 13, 1941, Serial No. 422,797
3 Claims. (Cl. 9—19)



1. In an inflatable device, the combination of an inflatable member having a pair of compartments; a cartridge holder secured to said inflatable member having a pair of casings each adapted to receive a cartridge containing a pressure medium for inflating said inflatable member, one end of each casing having an opening for inserting and removing a cartridge and the other end of each casing extending into one of said compartments of said inflatable member and being provided with an aperture for establishing communication between each casing and the compartment into which it extends; a closure for the opening of each of said casings; a puncturing member attached to each closure adapted to pierce a cartridge in the casing to permit the pressure medium therein to flow into the casing and into the compartment in communication therewith; means in each of said compartments pivotally mounted on each casing at the end in communication with its compartments, said means being adapted to move a cartridge toward a puncturing member and effect release of the pressure medium in the cartridges; and resilient means associated with and attached to each of said closures for urging a cartridge in the casing against its means adapted to effect the release of the pressure medium in the cartridge.

2,424,598
ADJUSTABLE AERIAL
Eric Osborne Willoughby, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 11, 1944, Serial No. 530,528
In Great Britain May 8, 1943
12 Claims. (Cl. 250—33)



1. An automatically loading and adjustable aerial including a flexible conductor, an insulating cord secured at one end thereof, a support over which said cord passes, a drum of conducting material, the free end of said conductor being wrapped around said drum, a transmission line coupled to said drum, a second drum around which the free end of said cord is wrapped, said second drum being mechanically coupled to said first mentioned drum, so that said conductor and said cord wind and unwind in opposite senses, also including a non-conducting tubular casing housing said conductor and cord, the loading means including an outer conducting tube over the upper end of said non-conducting tubular casing, and a conducting member of length just less than one quarter of the shortest operating wavelength required in the frequency band, secured between the end of said conductor and the end of said non-conducting cord, so as to form a variable capacity between said member and said outer conducting tube, as the former is drawn within the latter, and also including additional capacity loading means comprising a plurality of radiating metallic rods capacitively coupled to said outer conducting tube, so as to increase the ratio of electrical to physical length, of said aerial.

2,424,599
WEEDLESS FISHHOOK GUARD
Thomas Steven Burns, Chicago, Ill.
Application October 23, 1943, Serial No. 507,422
2 Claims. (Cl. 43—38)



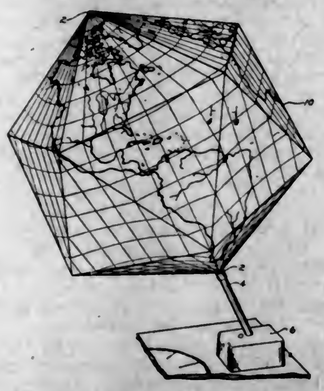
1. In combination, a fish hook, an elongated helical tension spring encircling the shank of the hook, one end of the spring being attached to the inner end of said shank, and an angular guard loop attached to the other end of said spring, said guard element being disposed over and yieldingly maintained in engagement with the barbed point of the fish hook by said spring.

2,424,600
GARMENT
Esther Cadous, New York, N. Y.
Application January 11, 1946, Serial No. 640,522
1 Claim. (Cl. 2—73)



A garment for women, comprising front and back portions, bust pockets in said front portion, and shoulder straps extending between the front and back portions, said shoulder straps extending across the entire width of the front and back portions at their lower ends and becoming narrower at the shoulders to form a V-shaped neck opening at the front, and pairs of tie strings secured to the inside of the front portion of each shoulder strap at a point above the bottom of the neck opening and about midway between the sides of the shoulder strap, each shoulder strap having an opening adjacent the point of attachment of said tie strings, the respective strings of each pair being of a length reachable around opposite sides of said shoulder straps for tying at the front of the strap and also being individually insertable through said openings to gather and tie all or a part of the material of the strap and thereby vary the slope of the neck opening.

2,424,601
ICOSAHEDRAL MAP
Joel E. Crouch, State College, Pa.
Application January 25, 1944, Serial No. 519,681
13 Claims. (Cl. 35—46)



1. A universal map device comprising twenty separate flat equilateral triangular panels of equal size, means for rigidly and separably connecting said panels together to form an icosahedron, and a universal map shown on the icosahedron with each component part thereof appearing upon the respective panels in proper sequence.

2,424,602
FLUSH RIVET
Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application May 15, 1945, Serial No. 593,861
3 Claims. (Cl. 85—40)



1. A flush rivet comprising: a tubular tapered head; a tubular split shank extending therefrom; a hollow pin initially protruding from the side of said head opposite from said shank and integrally joined thereto by a severable connecting portion; said head and shank adapted to be wedged into a cylindrical opening while said pin remains in its protruding position, said pin adapted thereafter to be driven by an axial force to sever said connecting portion and force said pin into said head and shank to further wedge said head and shank into said opening.

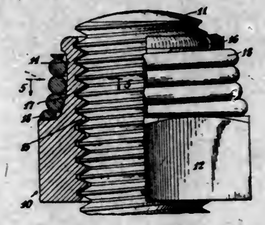
2,424,603
FASTENING DEVICE
William Dzus, West Islip, N. Y.
Application March 6, 1942, Serial No. 433,587
21 Claims. (Cl. 24—221)



1. A fastening device for securing two articles together comprising a stud member adapted to be attached to one of the articles, and an anchoring member adapted to be attached to the other article, said stud and anchoring members being interengageable so as to releasably fasten the articles together, and said anchoring member comprising a tubular core having longitudinally extending slots formed in opposite sides thereof and being formed with a spring disposed around the core and having a portion extending transversely thereof through the slots, the said portion of the spring being disposed adjacent one end of the slots when the members are in interengaged position whereby the said end of the slots may serve as an auxiliary support for the spring.

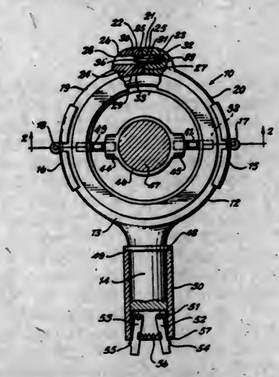
2,424,604
FASTENING MEANS
William Dzus, West Islip, N. Y.
Application February 24, 1945, Serial No. 579,515
4 Claims. (Cl. 151—21)

1. A threaded locking device comprising a body member formed with a collar projecting therefrom and having a continuous threaded opening extending through the collar into the body member, the collar being formed with longitudinal slots providing a plurality of resilient segments surrounding the opening whereby the collar is expansible and contractible, and the collar segments being curved inwardly in a longitudinal direction intermediate their ends so that the center section of the threaded opening of the collar is of less diameter than the remainder of the threaded opening.



4. In the method of making a threaded locking device, the steps which comprise first forming a body member with an integral reduced axial collar slotted to define resilient segments and with threads extending through the collar into said body member and then permanently deforming the segments so that they curve inwardly in a longitudinal direction intermediate their ends so that the center section of the collar is of less diameter than the remainder of the collar and so that the center sections of the collar segments have a relatively increased arc of curvature in a transverse direction.

2,424,605
FEATHERABLE PIN TYPE OARLOCK
William Harrison Edmonson, Jr., Bridgewater, Va.
Application January 7, 1946, Serial No. 639,518
6 Claims. (Cl. 9—26)

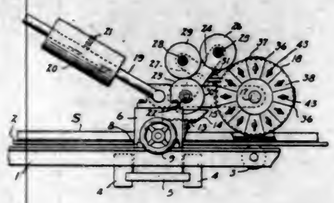


6. In a device as described an outer ring, an intermediate ring and an inner ring for supporting an oar, said intermediate ring rotatable upon the outer ring, said outer ring being formed in segments and provided with an inner channel in which the intermediate ring seats, means whereby the inner ring is supported by the intermediate ring, said means comprising a pair of pivot pins threaded into the inner and intermediate rings.

2,424,606
PRINTING DEVICE
Max Engler, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 4, 1944, Serial No. 552,603
4 Claims. (Cl. 101—212)

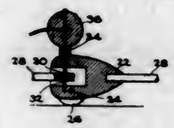
1. A printing device adapted to be mounted adjacent a bed over which the stock to be printed

upon may be advanced and comprising a support, an ink tray mounted in fixed position on the support, and a train of tangentially contacting rollers mounted on the support for movement bodily toward or away from the bed, one



end roller of said train being a printing roller engageable with the stock on said bed and the other end roller being movable with the arm into and out of the ink tray and positioned in the ink tray when the printing roller is in stock engaging position.

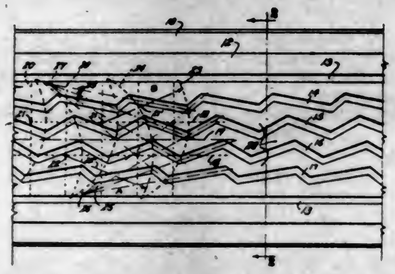
2,424,607
ACTION TOY
Herman G. Fisher, East Aurora, N. Y., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y.
Application March 14, 1945, Serial No. 582,605
3 Claims. (Cl. 46—104)



1. A traction toy comprising a leading figure and a trailing figure, eccentric traction wheels at opposite sides of the leading figure secured for joint rotation, the wheels at opposite sides of the leading figure having opposed eccentricity whereby the body of said leading figure when moved forwardly along a surface pursues a waddling course, said trailing figure having a pair of eccentrically mounted traction wheels likewise fixed thereon in opposed eccentricity whereby to cause its body to waddle, said trailing figure having a longitudinally formed socket in the forward end of its body, a stabilizing cantilever arm extending rearwardly from said leading figure and loosely disposed within said socket to maintain said figures generally in alignment while permitting individual waddling action thereof, and means carried by said trailing figure and disposed within the socket thereof for loosely coupling said arm to the body of the trailing figure in such manner as to permit independent oscillation of each figure around its longitudinal axis and limited transverse movement about its vertical and horizontal axes.

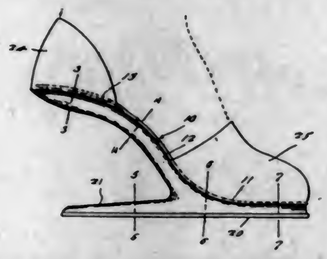
2,424,608
TIRE TREAD
Elby Edward French, Denver, Colo., assignor to Harold V. James, Roscoe Turner, and Harold Dutro, as trustees for the O. K. Rubber Welding System, a common-law trust
Application November 16, 1943, Serial No. 510,554
6 Claims. (Cl. 152—209)

1. A tire tread construction comprising: a plurality of endless tread strips separated by endless circumferentially extending grooves, each groove being of uniform width throughout its length and consisting of a series of angularly positioned short groove sections extending first toward one side thence toward the other to provide a general zig-



zag contour to the grooves, the length and angle of each groove section differing in length and angle from the adjacent groove section of the next adjacent groove so that all groove sections intersecting any given transverse line will differ in length and angle.

2,424,609
FOOTWEAR
Martin Friedmann, Jr., Norfolk, Va.
Application January 4, 1946, Serial No. 638,931
8 Claims. (Cl. 36—2.5)

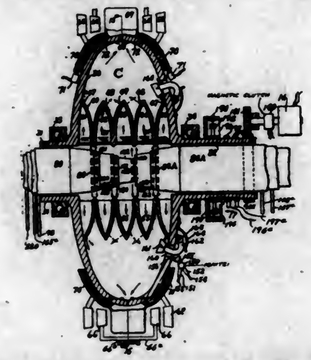


1. In a shoe for women, the combination of a resilient metal sole, arch and heel-supporting portion of arcuate configuration and extending upwardly at the heel in the manner of a high-heeled shoe, and an elongated portion having an overlying reinforcing portion of arcuate cross-sectional configuration and extending rearwardly from the sole portion to a point substantially beneath the rearmost extremity of the shoe.

2,424,610
ROTATING COMBUSTION APPARATUS
Robert H. Goddard, Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application April 12, 1943, Serial No. 482,720
23 Claims. (Cl. 60—46)

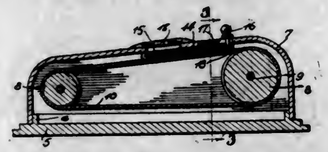
2. In a rotatable combustion apparatus, a rotated combustion chamber having a peripheral combustion space, a series of inner centrifugal liquid-feeding compartments, and means to feed liquid combustible and oxidizing agents to adjacent centrifugal compartments, and said adjacent compartments having peripheral ports discharging in intersecting directions and through which said liquids are delivered to said combustion chamber in intersecting sprays.

4. In a rotatable combustion apparatus, a rotated combustion chamber having hollow and rotatably mounted hub portions, a plurality of sleeve valves concentrically nested in said hol-



low hub portions and supplying combustible and oxidizing liquids to said chamber, and means to open and close a plurality of said nested valves simultaneously.

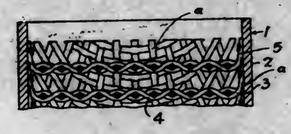
2,424,611
LOCATION INDICATOR HAVING AN ENDLESS WEB AND SLIDING NAME PLATE TO COVER AND UNCOVER INDICATIONS ON THE WEB
George E. Graydon, Windsor, Ontario, Canada
Application April 13, 1945, Serial No. 588,195
3 Claims. (Cl. 40—96)



1. A changeable sign comprising a case including a base, a window in the top of the case, a traveling member in the case having indicia displayed thereon for movement into and out of registry under the window, a name plate mounted for sliding movement in the case between the window and the traveling member, and means operatively connecting the name plate to said traveling member for actuating said plate upon movement of said traveling member.

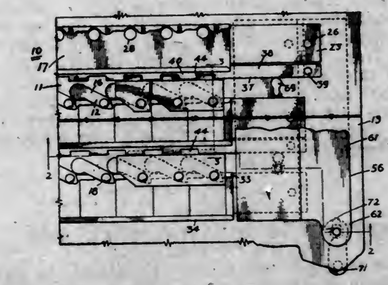
2,424,612
FIN TUBE
Addison Y. Gunter, Larchmont, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application December 22, 1943, Serial No. 515,265
1 Claim. (Cl. 138—38)

A fin-tube comprising a tubular member; and a plurality of wire screen cups in said tubular member, each of said cups having a wire screen bottom extending transversely of said tubular member and a circumferentially continuous wire screen side flange integral with and at right angles to said bottom, said cups being arranged in succession with the flanges of successive cups being each in engagement at its free edge with the bottom of the cup adjacent thereto, each of said flanges being bonded throughout to said tubular member whereby said cup flanges collectively provide a substantially continuous wire screen sleeve bonded to the inner face of said tubular member, the wires of said wire screen



sleeve extending the heat exchange surface of the inner face of said tubular member and the wires of said wire screen bottoms further extending said heat exchange surface of said inner face of said tubular member.

2,424,613
VOTING MACHINE
Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application March 4, 1943, Serial No. 477,931
8 Claims. (Cl. 235—54)

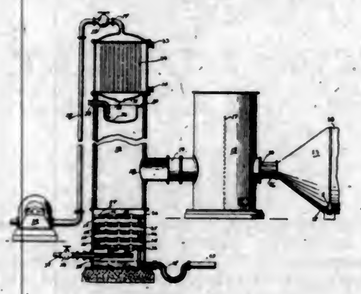


1. In a voting machine having on its front a row of pointers mounted for pivotal movement, each of said pointers including an arm mounted knob; a shield mounted on and, at least in part, concealing a determined number of said pointers, means on said shield engaged with the knobs of said determined number of pointers in a manner to prevent pivotal movement thereof, a locking bar mounted on the front of said machine movable into either of two positions, said bar having an end portion extending beyond said row of pointers, parts on said shield and said bar being cooperative in one position of said bar to secure said shield against removal from the knobs of said pointers, a cover for enclosing the end portion of said bar when in one of said positions in a manner to prevent movement into the other of said positions.

2,424,614
PROCESS AND APPARATUS FOR TREATMENT OF GASES
Joye C. Haun, San Francisco, Calif., and Robert E. Richmond and Harry H. Richmond, Portland, Oreg., assignors to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application January 24, 1944, Serial No. 519,560
18 Claims. (Cl. 183—120)

9. An apparatus for cooling heated gases comprising a tower having a surface condenser in its top portion, a direct cooling chamber in its mid

portion, and a stripping chamber in its bottom portion, a water seal between said direct cooling chamber and said stripping chamber, a cooling water distributor beneath said condenser for passing cooling water downwardly through said direct cooling chamber to said seal and thence into said stripping chamber, a gas inlet above said seal for passing said gases upwardly through said direct cooling chamber and condenser whereby water removed from said gases by said con-



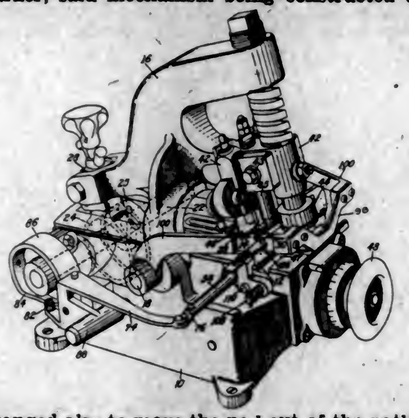
denser is refluxed through said distributor along with said cooling water, means for introducing into said stripping chamber a fluid heating medium which is free of said gases to strip dissolved gases from the water collected therein and to sweep said stripped gases out of said stripping chamber and through said seal to the gas flow through said cooling chamber, and means to remove water from said stripping chamber and from further contact with said gases.

2,424,615
METHOD OF TREATING SALT, AND PRODUCT THEREOF
Herbert Hempel, Essex, Mass., assignor to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application May 21, 1942, Serial No. 443,928
17 Claims. (Cl. 99—222)

1. Method of treating inedible sea salt to eliminate contamination by red bacillus, comprising the steps of mixing the sea salt with an acid phosphate, alone, and dispersing the phosphate in more finely divided condition throughout the mixture until an adherent uniform and effective distribution of the acid phosphate is formed directly upon and between the exposed surfaces of the salt, whereby contamination by red bacillus is overcome and subsequent contamination is prevented.

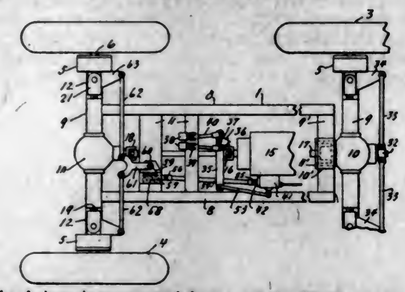
2,424,616
MACHINE FOR OPERATING UPON SOLES
Charles E. Hood, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 21, 1944, Serial No. 532,055
3 Claims. (Cl. 101—41)

1. In a machine for operating upon soles, a marker, means for moving said marker in a downward path into engagement with a work piece, an ink pad, relatively strong resilient means for holding said pad in ink-applying engagement with the marker, relatively weak resilient means for urging said pad downwardly away from the marker, and mechanism driven by said moving means for positively overcoming said strong resilient means to enable the weaker resilient means to move the pad away from the marker, said mechanism being constructed and



arranged also to move the pad out of the path of the marker.

2,424,617
POWER STEERING MECHANISM FOR TRACTORS
Robert I. Hoyle, Camp Parks, Calif.
Application March 13, 1944, Serial No. 526,158
5 Claims. (Cl. 180—79.3)

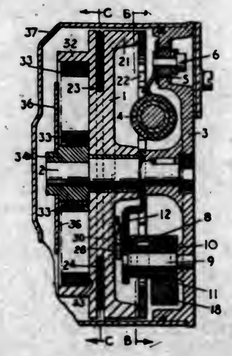


1. A tractor comprising a main frame, a power plant supported thereby, a pair of rear wheels supporting one end of the frame and having pivotal connection therewith, arms connected to the wheels and having a pair of tie-rods connected thereto, a worm gear having an arm for operating the tie-rods, means driven by the power plant for operating the worm gear and foot-operated means for rendering the first-named means active, the second-named means including a lever pivoted to lie transversely across the frame substantially midway the length thereof and a pair of foot pedals having connection with the lever on opposite sides of the pivot.

2,424,618
FUZING UNIT FOR USE IN DROPPING BOMBS FROM AIRCRAFT
John Merthyn Jones, London, England, and Frederick Thomas Connell, deceased, late of London, England, by Isabel Lucy Connell, administratrix, Southwick, England, assignors to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application December 11, 1945, Serial No. 634,372
In Great Britain December 6, 1944
6 Claims. (Cl. 89—1.5)

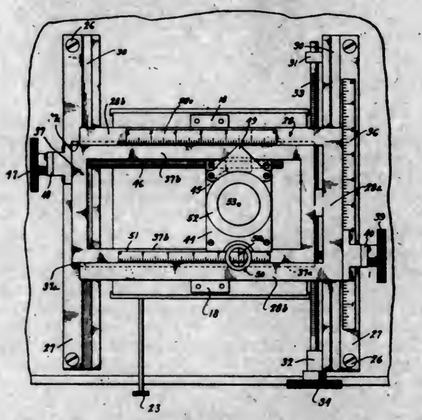
1. A fuzing unit for dropping bombs from aircraft and comprising in combination a spring

tensioned spool freely mounted for rotation, a fuzing wire wound upon said spool, means for allowing paying-out rotation of said spool when it is desired to drop the bomb "safe" with the fuzing wire attached and for preventing pay-



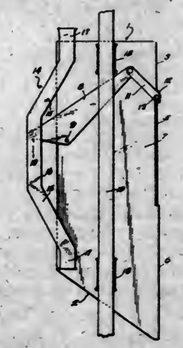
ing-out rotation when it is desired to drop the bomb "live" without the fuzing wire, and means for preventing winding-in rotation of the spool under its spring tension after a "safe" drop and for permitting such winding-in rotation of the spool after a "live" drop.

2,424,619
DEVICE FOR AND METHOD OF MEASURING VOLUME OF WOOD IN STACKS
Cecil H. Keepers, Nekoosa, Wis., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
Application March 4, 1943, Serial No. 477,980
3 Claims. (Cl. 33—125)



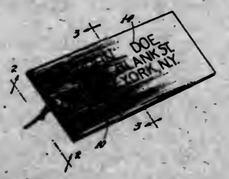
3. In an apparatus for use in measuring the volume of wood in a stack of logs from a photograph of a side of the stack depicting ends of the logs in the stack, means for mounting the photograph, a pair of ways disposed with the mounting means therebetween, a cross member bridging said ways and constructed and arranged to slide along a path parallel thereto, operating means connected with said cross member for moving the same through said path, an objective support mounted on said cross member for sliding movement relative thereto through a path substantially normal to the path of movement of said cross member and across said photograph, guide means for establishing said last named path, independent operating means connected with said objective support and said cross member for moving said objective support relative to the cross member, a scale on said cross member for indicating said movement, an objective mounted on said support for sliding movement relative thereto through a path parallel with said movement of the support, guide means for establishing said last named path, independent operating means connected with said objective and said support for moving said objective relative to said cross member and said support and a scale on said support for indicating said movement.

2,424,620
SKIP
John Joseph Korn, Butte, Mont.
Application February 11, 1946, Serial No. 646,826
1 Claim. (Cl. 214—119)



In a skip including a front having a discharge opening in its lower portion, guides on the skip, a vertically sliding door for the discharge opening operable in said guides, a bar fixed transversely on the door, trunnions on the ends of said bar, a pair of stationary, angular channel tracks for the passage of the skip therebetween, said tracks comprising oppositely inclined upper and lower portions and vertical intermediate portions, substantially triangular levers pivotally mounted for vertical swinging movement on the skip, rollers on one end portion of the levers engageable and operable in the tracks for actuating said levers, and links journaled on the trunnions and having one end portion pivotally connected to the other end portions of the levers for operatively connecting said levers to the door for raising and lowering same.

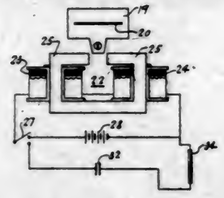
2,424,621
SHIPPING TAGS, LABELS, OR THE LIKE AND METHOD OF MAKING THE SAME
Marvin R. McClatchey, Jr., Atlanta, Ga.
Application July 6, 1945, Serial No. 603,478
6 Claims. (Cl. 117—12)



1. A shipping tag, label or the like, having a visible inscription thereon which comprises a

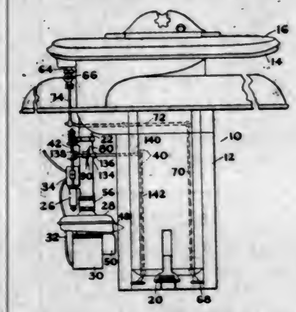
sheet of aluminous material having an anodized oxide coating thereon, a non-porous wax coating over the said oxide coating sealing the said anodized coating and a visible inscription on said wax coating composed of a dye penetrating said wax coating and onto said anodized oxide coating, whereby the said tag, label or the like is adapted to withstand abrasion and adverse weather conditions without impairing the legibility of the said inscription thereon.

2,424,622
TIMING DEVICE FOR RECORDERS
Carroll D. McClure, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1945, Serial No. 572,955
10 Claims. (Cl. 234—36.5)



3. The combination with an electric seismograph for producing seismograms, of a vibrating reed for producing timing lines on said seismogram, and means operable by vibration of said reed for producing distinctive symbols on certain of said timing lines.

2,424,623
DRYING MEANS FOR GARMENT PRESSING MACHINES
Nicholas Monsarrat, Seekonk, Mass., assignor, by mesne assignments, to Pantex Manufacturing Corporation, a corporation of Delaware
Application August 17, 1944, Serial No. 549,868
11 Claims. (Cl. 38—15)



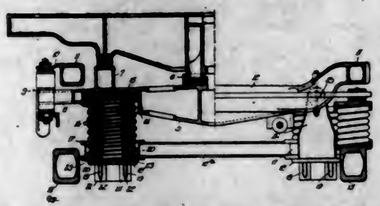
9. In a garment pressing machine, a pressing buck, an exhaust line from said buck, motor means to create a flow of fluid through said exhaust line to remove moisture from said buck, a valve for said exhaust line, means to conjointly actuate said valve and start the functioning of said flow creating means and timing means effective to maintain the functioning of said flow creating means for a predetermined time interval, said starting means being effective to initiate the functioning of said timing means for said time interval on each reactuation thereof.

2,424,624
COMBINED CAP AND SHIELD
Elijah Fuller Moore, Laurinburg, N. C.
Application November 2, 1944, Serial No. 561,571
1 Claim. (Cl. 2—10)



A combined cap and shield comprising a cap including a crown and a relatively rigid visor, a relatively large opening in the top of the crown, and a transparent member secured to the crown in overlying relation to the opening whereby the cap may be selectively worn in normal head engaging position or positioned over the face of the wearer in the provision of a shield with the transparent member disposed in front of the eyes of the wearer.

2,424,625
RAILWAY CAR TRUCK SPRING MOUNTING
Karl F. Nystrom, Nashotah, and Vernon L. Green, Milwaukee, Wis.
Application July 13, 1945, Serial No. 604,775
7 Claims. (Cl. 105—197)



2. In a railway car truck provided with spaced apart transom members provided with vertical slots and pin receiving holes, a spring holding unit comprising a pair of spaced spring receiving holders with upwardly disposed apertured arms at opposite sides of the holders adapted to be pivotally secured in the slots of the transom members and slotted extensions at the bottoms, means whereby the holders are rigidly connected together, each holder having a movable bottom, and removable key members of preselected vertical width adapted to be inserted through the slots of said extensions for supporting the bottoms in place.

2,424,626
CIRCUIT BREAKER AND CONTACT THEREFOR
Ervin O. Oberdick, Cleveland, Ohio
Application May 11, 1944, Serial No. 535,134
7 Claims. (Cl. 200—30)

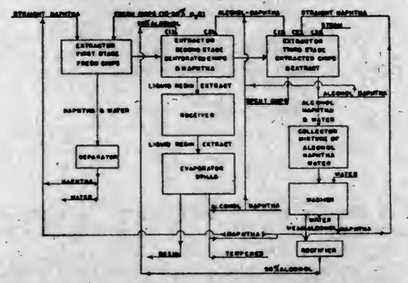


1. In a circuit breaker, an arm having a concave recess therein, a cylindrically-shaped tungsten contact having a segment received in said recess and secured to said arm with the remainder of the cylindrically-shaped contact extending outwardly beyond the recess and the grain structure of the tungsten in said contact being substantially perpendicular to the end faces of the contact.

2,424,627
MONAZO AND DISAZO DYES WITH N-SUBSTITUTED 1,3,5 XYLIDINES
Henry Charles Olpin and John Wright, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application July 8, 1942, Serial No. 450,190
In Great Britain August 13, 1941
22 Claims. (Cl. 260—186)

3. An azo dye selected from the group consisting of azo dyes of the formulae $R_1—N=N—R_3$ and $R_1—N=N—R_2—N=N—R_3$ wherein R_3 is the residue of an N-substituted 3:5-dimethyl-aniline, of which each N-substituent is selected from the group consisting of methyl, ethyl and hydroxyethyl radicles, wherein the nucleus R_1 is selected from the group consisting of benzene nuclei, naphthalene nuclei and 2-benzthiazole nuclei, and wherein the nucleus R_2 is selected from the group consisting of benzene nuclei and naphthalene nuclei.

2,424,628
PROCESS OF EXTRACTING RESINOUS WOOD
Robert C. Palmer, Pensacola, Fla., assignor to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware
Application September 2, 1944, Serial No. 552,449
13 Claims. (Cl. 260—110)



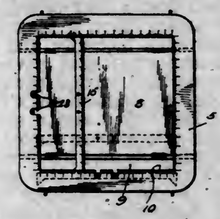
2. The process of extracting resinous wood which comprises extracting resinous wood in the form of chips containing less than 10% moisture by weight with a mixed solvent comprising a petroleum hydrocarbon and a hydrous monohydric alcohol containing less than five carbon atoms, said solvent containing from 28.5% to 71.25% of said alcohol and the ratio of alcohol to water in said solvent being at least 19 to 1, separating the resulting liquid resinous extract from the wood and recovering the resin content from said extract.

2,424,629
NURSING NIPPLE AND BOTTLE
William M. Patterson, Ravenna, Ohio, assignor of one-half to Fred W. Patterson, Coshocton, Ohio
Application August 22, 1945, Serial No. 611,959
2 Claims. (Cl. 128—252)

1. An elastic nipple comprising an annular base portion being centrally apertured and countersunk on its lower surface, a collar portion extending upwardly from said base portion in spaced relation from the inner and outer edges thereof, a thickened breast portion formed on the upper end of said collar portion having converging surfaces extending at approximately right angles to each other and being formed with a restricted aperture at its lower end forming a sealing flange having a beveled upper surface, and an apertured nipple portion formed on the end of said breast portion.



2,424,630
DRAWING BOARD
José Ugalde Pérez, Mexico City, Mexico, assignor of fifty per cent to Juan Berriozabal Avila, Mexico City, Mexico
Application August 4, 1944, Serial No. 548,016
4 Claims. (Cl. 33—80)

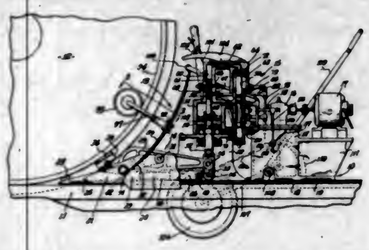


4. A drawing board comprising an open frame formed of spaced parallel frame members, a base secured to the bottom of the frame, an overhanging shoulder at the inner edge of each frame member, at least one of said frame members having an elongated recess opening through its inner edge beneath its shoulder and a straight edge slidable on the base with its ends positioned beneath the shoulders of opposed frame members and adapted for movement into said recess whereby to clear the surface of the base within the frame.

2,424,631
VARIABLE-SPEED RAIL CAR MOVER
Harold C. Pierce, Pomona, Calif.
Application September 27, 1944, Serial No. 556,057
13 Claims. (Cl. 254—38)

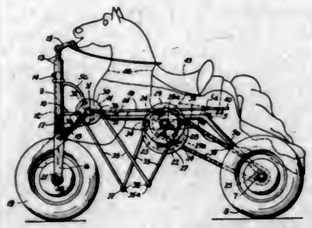
1. In a rail car moving mechanism, a carriage adapted to be supported on the rail, means forming a fulcrum movable on said carriage longitudinally of the rail, a driving member applicable

to the car wheel to rotate same and mounted for oscillation on said fulcrum, and means for



shifting said fulcrum relative to the driving member to vary the range of oscillatory thrust of said member against the wheel.

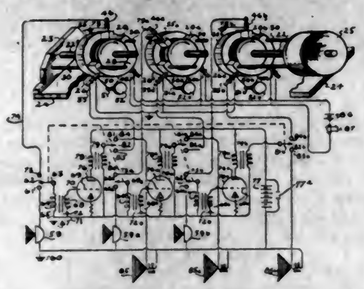
2,424,632
PONY CYCLE FOR CHILDREN
Nicholas J. Powlick, Chicago, Ill.
Application May 7, 1945, Serial No. 592,453
6 Claims. (Cl. 280—1.13)



2. In a vehicle of the kind described and including an elongated frame carried upon a steerable front wheel and a pair of laterally spaced rear wheels mounted upon a rear axle shaft, a drive shaft journaled medially and transversely through the frame, a sprocket drive wheel keyed upon the drive shaft, a driven sprocket wheel on the rear axle shaft in longitudinal alignment with the sprocket drive wheel, and a sprocket chain trained over the two aligned sprocket wheels, a cam-wheel eccentrically and freely mounted upon the drive shaft adjacent to the sprocket drive wheel, means for releasably locking the cam wheel to the sprocket drive wheel, circular drive plates keyed upon the outer extended ends of the drive shaft, pedal controlled means connected with the drive plates for driving the machine, a rider bar hinged at its forward end to the forward portion of the frame and extended rearwardly over the top of the cam wheel, whereby with the cam-wheel locked to the sprocket drive wheel and with the vehicle in motion the said rider bar will be caused to oscillate vertically.

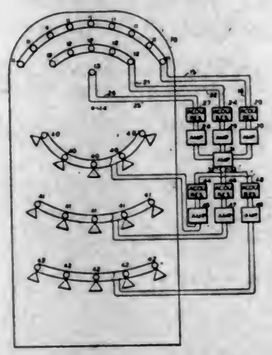
2,424,633
ACOUSTIC RESERVOIR FOR USE IN A MAGNETIC SOUND RECORDING AND REPRODUCING SYSTEM
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 536,407
6 Claims. (Cl. 179—100.2)

1. A recording reproducing system including a member having a ferrous wire wound in a plurality of turns in a helical path, and a magnet mounted in position to cooperate with said ferrous wire having a chisel shaped pole face broad



enough to overlie a plurality of said turns and means for rotating said member.

2,424,634
THEATER AMPLIFYING AND SOUND DISTRIBUTION SYSTEM
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 536,412
3 Claims. (Cl. 179—1)



1. A theatre sound amplification system, comprising a plurality of spaced microphones, means for combining the variables from said microphones, including means for adjusting the timing of said microphones to bring them into synchronism, and means for distributing the variables so produced to a plurality of spaced loud speakers, including means to adjust the timing to each loud speaker to bring the reproduced sound into synchronism with air-borne sound.

2,424,635
FENDER FOR SHIPS, PIERS, AND THE LIKE
Chester F. Schwall, Jr., Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 31, 1945, Serial No. 625,773
10 Claims. (Cl. 61—48)

10. The combination with a pier having a vertical wall extending above and below the water line and a horizontal ledge extending outwardly from the wall below the water line, of a cushioning unit comprising a series of vertical poles slidably supported at their lower ends on said ledge, spaced elastic rubber cushioning and spacing rings mounted on said poles and engaging adjacent poles, elastic bands encircling said poles under tension to bind the same together with the



poles spaced apart by said cushioning rings to form a cushioning unit, and means loosely connecting the upper end of said unit to the pier.

2,424,636
CATALYTIC DEHYDROGENATION OF HYDROCARBONS
John O. Smith, Jr., Cranford, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application April 2, 1942, Serial No. 437,411
3 Claims. (Cl. 260—668)

1. Method for dehydrogenating aliphatic hydrocarbons which comprises contacting said hydrocarbon under dehydrogenating conditions with a catalyst comprising molybdenum oxide on zirconium oxide on alumina.

2,424,637
PROCESS AND CATALYST FOR AROMATIZING ALIPHATIC HYDROCARBONS
John O. Smith, Jr., Cranford, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application June 3, 1943, Serial No. 489,450
4 Claims. (Cl. 260—668)

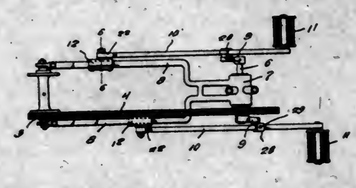
1. Method for aromatizing aliphatic hydrocarbons without excessive coke formation which comprises contacting said hydrocarbons with an aromatizing catalyst under aromatizing conditions, said catalyst comprising about 1 to 10% by weight of zirconium oxide and about 1 to 12% of molybdenum oxide on alumina containing not more than about 1% silica.

2,424,638
COATED FIBROUS MATERIAL
Purdum M. Snyder, Ben Avon, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 24, 1942, Serial No. 459,471
3 Claims. (Cl. 154—50)



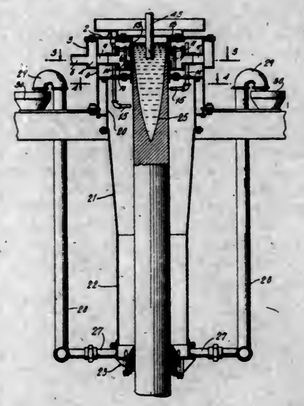
1. A fibrous sheet having at least one surface thereof coated with a non-asphaltic waterproofing layer comprising an air blown extract produced by subjecting molten propane extract from paraffinic crude oil comprising a natural chemically unmodified constituent of said paraffinic base oil residuum to air blowing, said air blown extract being characterized by its plasticity, its stability upon aging, and its nonstaining characteristics.

2,424,639
BICYCLE
Joseph J. Sobiral, Hartford, Conn.
Application June 5, 1945, Serial No. 597,631
1 Claim. (Cl. 280—257



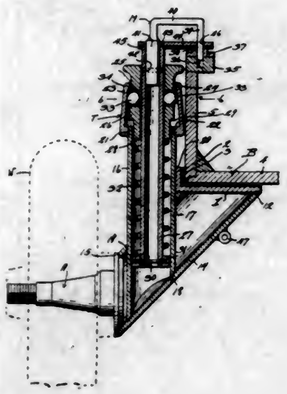
A power transmitting mechanism for a bicycle comprising a driving sprocket wheel mounted on a transverse shaft journaled in the frame of the bicycle, a crank rigidly secured to each end of said shaft, the cranks being oppositely directed, a pair of driving arms, each including a front section and a rear section pivoted to each other for horizontal pivotal movement, a sleeve adjustably mounted on said front section of the arm and pivoted to one of the cranks, a pedal pivoted on the front section of each arm, and a slide member mounted on a longitudinal frame member of the bicycle and pivoted to said rear section of the arm.

2,424,640
APPARATUS FOR CASTING METALS CONTINUOUSLY
Henry W. Spooner, Short Hills, N. J., assignor to Irving Rossi, West Orange, N. J.
Application October 21, 1942, Serial No. 462,791
5 Claims. (Cl. 22—57.2)



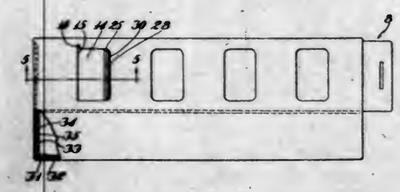
1. A mold for continuous casting machines, comprising, a mold liner and a water jacket surrounding said mold liner, the outside wall of said mold liner having inclined grooves formed therein, said water jacket having a cooling chamber immediately surrounding said mold liner, and a distributing chamber surrounding said cooling chamber, said distributing chamber being separated from said cooling chamber by a partition having slots therein providing communication between said chambers, said slots being formed at an angle such as to discharge jets of cooling water substantially tangentially to said mold liner and in the direction of the upward inclination of said grooves.

2,424,641
TRAILER ATTACHMENT
Bernard A. Swanson, Port Angeles, Wash.
Application January 18, 1946, Serial No. 641,967
8 Claims. (Cl. 280—61)



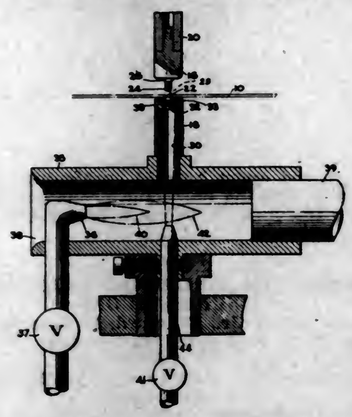
1. A trailer attachment comprising a plate for engagement from below with the element to be transported, a downwardly and outwardly inclined member carried by such plate, ground engaging means carried by the outer end portion of said member, an upstanding post carried by said member outwardly of the plate, an elongated rod telescopically engaged with the post, said rod having means for engaging from above the element to be transported, means for constantly urging the rod inwardly of the post, and releasable means for locking the post against outward movement.

2,424,642
SLIDE BOX WITH SLIDABLE LATCH
Harold G. Towne, Westboro, and Lester M. Peterson, Newton, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application April 6, 1946, Serial No. 660,240
13 Claims. (Cl. 206—1.5)



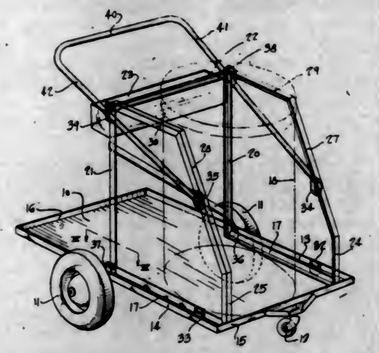
1. A box comprising a casing having a top wall, a tray slidable within said casing from a retracted position inside the casing, the top wall of said casing being formed with an opening and having a recess extending from the opening at an angle to the line of travel of said tray, the tray being formed with an opening adapted to underlie the casing opening when the tray is in extended position, and a lock movably mounted in the tray to move into said recess when the tray is in said retracted position for locking the tray against sliding movement.

2,424,643
APPARATUS FOR DIMPLING SHEET MATERIAL AND PREHEATING THE AREA TO BE DIMPLED
William W. Williams, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application February 14, 1945, Serial No. 577,893
6 Claims. (Cl. 153—21)



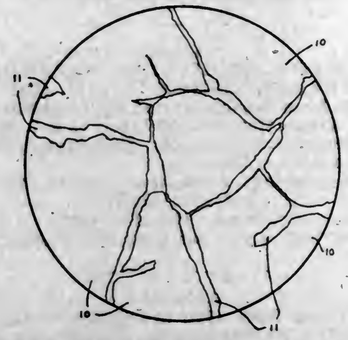
1. An apparatus for dimpling sheet metal stock, said apparatus comprising opposed dies having forging face portions adapted to engage the stock at restricted regions only, one of said dies having a central bore directed against the other die, means for projecting a stream of hot liquid across the open end of the bore of the die and substantially normal to the axis thereof, and means for intermittently diverting said stream and projecting it into the die bore and locally against the workpiece.

2,424,644
JANITOR'S TRUCK
Howard J. Barrett, Philadelphia, Pa.
Application March 1, 1946, Serial No. 651,069
1 Claim. (Cl. 280—50)



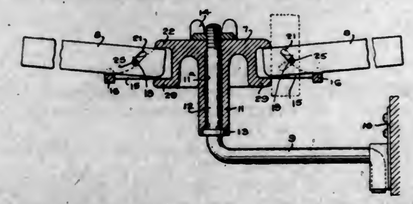
A truck including a wheeled base, side and end vertical flanges extending upwardly from the perimeter of said base, to define therewith a shallow trough, a pair of inner vertical walls extending upwardly from said base, said walls being spaced inwardly from said side flanges and extending from near one of said end flanges to near the center of said base, a pair of sockets mounted on said base between the opposite end portions of each of said end walls and the juxtaposed portions of said side flanges for receiving the lower ends of elongated tool handles, a pair of polygonal side frames secured to and extending upwardly from said respective inner walls, said side frames being substantially coextensive with said inner walls, said inner walls coacting with the adjacent end flange to provide three point engagement with the lower portion of a can placed on the intermediate portion of said base, and a pair of sockets carried by each of said side frames in vertical registration with the previously mentioned sockets, said upper sockets having through holes therein for passage of said tool handles, the upper portions of said side frames being arranged to provide lateral engagement with and support for the upper portion of said can.

2,424,645
FUSED ALUMINUM OXIDE ABRASIVE MATERIAL
Henry N. Baumann, Jr., and Raymond C. Benner, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 13, 1943, Serial No. 494,456
18 Claims. (Cl. 51—309)



1. An abrasive fused product comprising crystals of alpha alumina associated in a fused matrix, said matrix consisting essentially of an artificial spinel of the typical formula $RO{\cdot}R'_2O_3$ in which the R'_2O_3 forming metal is aluminum and, the RO forming metal is selected from the group consisting of Mn, Co and Ni.

2,424,646
COLLAPSIBLE CLOTHES DRIER
Paul Berman, Philadelphia, Pa.
Application May 3, 1945, Serial No. 591,803
4 Claims. (Cl. 211—100)



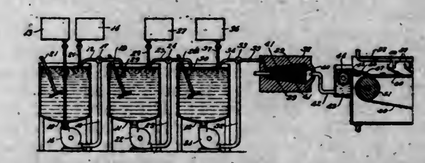
4. In a collapsible clothes drying frame, in combination, a centrally disposed main supporting member having a plurality of circumferentially spaced radially extending wing-like elements, an annular member extending circumferentially about and interconnecting the outer extremities of said elements, annular flanges supported by the frame for respectively overlying and underlying the inner extremities of said elements, a plurality of radially extending clothes supporting arms each disposed between adjacent pairs of said wing-like elements, each of said arms having an inclined elongated slot adjacent the inner end thereof, and a common retainer for said arms consisting of a relatively fixed wire bail extending circumferentially through the slot of said arms and supported by said wing-like elements at points spaced between said annular member and said annular flanges, the arrangement of said inclined slot and wire bail being such that a downward lengthwise movement of each arm when in upright position will effect engagement of the upper edge of each arm at points spaced to either side of the pivot point with the outer edges of said annular flanges.

2,424,647
ANTISKID DEVICE
Oscar Harald Bernkull, Goteborg, Sweden
Application May 27, 1943, Serial No. 488,712
In Sweden March 23, 1940
2 Claims. Cl. 152—210)



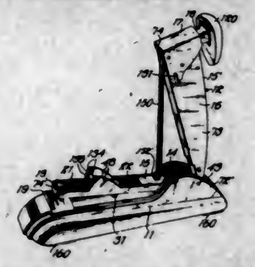
1. In combination, a tire tread member having apertures therein, an annular frusto-conical metallic rim-like part inserted in each aperture and of such axial length as to project from the tread surface of the tire member, an external flange on the relatively small end of each rim-like part engaging the interior of the tire member preventing outward displacement of said part.

2,424,648
METHOD FOR CONTINUOUSLY TRANSFORMING A DISPERSION OF A RUBBERY MATERIAL INTO SHEETS
Willard F. Bixby, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 9, 1942, Serial No. 442,350
8 Claims. (Cl. 260—23)



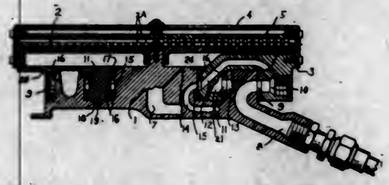
1. The method of continuously transforming an alkaline soap-containing aqueous dispersion of a synthetic rubber comprising a polymer of a butadiene-1,3 in the form of particles under 0.3 micron in diameter, into a synthetic rubber sheet, which comprises adding to the dispesion a water-soluble salt of a water-soluble acid in an amount sufficient to increase the size of the particles in and the stability of the dispersion but insufficient to coagulate the dispersion, admixing the so-treated dispersion with an aqueous acid coagulant to form an aqueous slurry of discrete synthetic rubber crumbs and continuously forming the crumbs into a sheet.

2,424,649
STAPLING MACHINE
Stephen A. Crosby, New York, N. Y., assignor, by mesne assignments, to Speed Products Co., Inc., New York, N. Y., a corporation of New York
Application June 7, 1937, Serial No. 146,708
98 Claims. (Cl. 1—3)



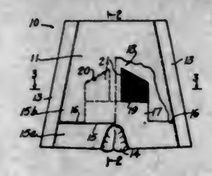
1. In a stapling machine, an elongated magazine, a staple supporting rail therein, a cover, a hinged connection between said cover and magazine at the rear ends thereof, said cover adapted to be swung rearwardly away from said magazine substantially beyond a plane normal to the longitudinal axis of said magazine and passing said hinged connection to permit full access to the staples on said rail longitudinally of the latter, said cover adapted to be swung towards and against said magazine to close the latter, and driving means carried by said cover for ejecting a staple from said magazine.

2,424,650
GUN TURRET SWIVEL
Fred N. Dickerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 31, 1944, Serial No. 547,476
3 Claims. (Cl. 174—21)



1. A fixed member comprising a circular base plate having a circular concentric groove and passages extending from the bottom of said base plate to each of the three cylindrical faces formed by the outer periphery of the base plate and the inner and the outer periphery of the groove, and to an opening in the top of the base plate, a swivelling plate member closely fitting over said base plate, having opposed cylindrical faces slidingly engaging said three cylindrical faces on the base plate and having grooves therein registering with the openings of said passages extending to said latter faces, said grooves being connected by passages in said swivelling member extending to the outer periphery thereof, a plate of insulating material attached to the top of said base plate and having a series of concentric slip rings on top thereof with binding posts passed therethrough, and another plate of insulating material attached to said swivelling member and having contact brushes on its under side correspondingly spaced in a radial direction to contact the slip rings with binding posts extending through said plate, whereby a comparatively flat overall structure may be obtained.

2,424,651
FOUNDATION GARMENT
Harry Jay Dubner, Forest Hills, N. Y.
Application February 2, 1945, Serial No. 575,785
7 Claims. (Cl. 2—43)



1. A foundation garment including a girdle having a rear wall provided with a generally horizontal expansible slot opening below the center of the buttocks and upwardly and downwardly extending overlapping, slidable wall portions closing said opening, a crotch member connected to the girdle, the rear wall being expansible in the seated position of the wearer to relieve excessive tension on the crotch member, and elastic means interconnecting said wall portions to tend to close said opening when the wearer is in standing position.

2,424,652
POLYHYDRIC ALCOHOL ESTERS OF PHENOXYACETOXYACETIC ACID
Maurice Leon Ernsberger and Paul Swithin Pinkney, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1943, Serial No. 495,770
2 Claims. (Cl. 260—473)

1. Ethylene glycol bis-phenoxyacetoxyacetate.

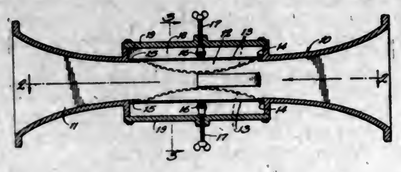
2,424,653
PROCESS FOR THE MANUFACTURE OF ETHYL, ALPHA, ALPHA-DIMETHYL BUTYRATE
Thomas Aven Ford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 10, 1946, Serial No. 661,065
5 Claims. (Cl. 260—497)

1. A process for the preparation of ethyl alpha, alpha-dimethylbutyrate which comprises bringing a mixture of propylene, ethylene and carbon monoxide, in which mixture the total olefins are in molar excess of the carbon monoxide, at a pressure of at least one atmosphere and a temperature of 50–200° C. in contact with an acid reacting hydrate.

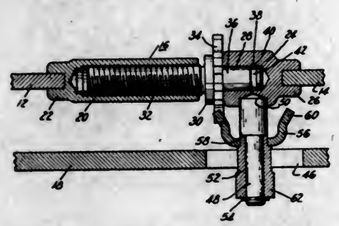
2,424,654
FLUID MIXING DEVICE
Slade le Blount Gamble, Chicago, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1944, Serial No. 538,623
4 Claims. (Cl. 48—180)

1. A mixing device comprising an elongated conduit formed with a portion of rectangular section having an opening in one side, a flexible strip connected to the conduit adjacent one end of the opening and overlying the opening with its other end free, means to press the central portion of the strip into the opening to vary the flow area of the conduit, and channel shaped

members projecting inwardly from the sides of the conduit and open at the end facing downstream to provide for inlet of a second fluid into the conduit.



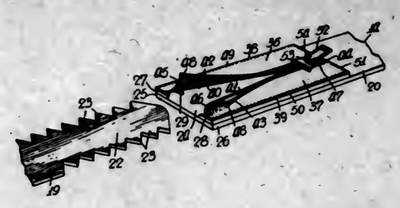
2,424,655
BRAKE ADJUSTOR
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 24, 1944, Serial No. 537,045
3 Claims. (Cl. 188—79.5)



1. For use in a brake assembly having two brake shoes each provided with a strengthening web and a cover member located at one side of the brake shoes; a bodily movable adjustor mounted between the ends of the shoes comprising a first non-rotatable member including an internally threaded sleeve and a slotted end portion embracing the end of the web of one of the shoes, a second non-rotatable member including a sleeve having a cylindrical bore and a slotted end portion embracing the end of the web of the other shoe, a rotatable member including an externally threaded stem screwed into the sleeve of the first non-rotating member and an oppositely projecting cylindrical extension supported in the bore of the second non-rotatable member, said rotatable member having an annular flange which rests against one end of the second non-rotatable member and which has gear teeth formed on its periphery, a laterally extending fixed shaft member secured to the second non-rotating member, and a manually operable member rotatably supported on said shaft and having a gear associated therewith which meshes with the toothed portion of the rotatable member, said manually operable member extending through an opening in the aforementioned cover member.

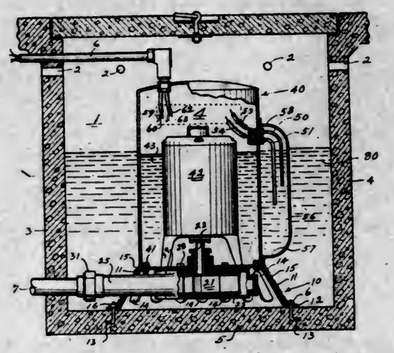
2,424,656
COUPLING FOR BANDS OR THE LIKE
Charles Goldblatt, New York, N. Y.
Application August 31, 1944, Serial No. 552,149
12 Claims. (Cl. 24—206)

3. A flexible and adjustable coupling for the ends of straps or bands to be connected, comprising in combination a tongue member on one end and having on its side edges a series of serrations constituting one strap end and arranged to overlap the second strap end to be connected therewith, a pocket portion on said second end having a mouth to receive said tongue and comprising a layer, one face of which carries strips outlining spaced serrations complementary to said serrations on the side edges of said tongue and a closure to hold said ends in overlapping position



comprising stringers, running longitudinally of the pocket overlying said strips carrying the spaced serrations and complementary fastening means for said stringers.

2,424,657
LIQUID LEVEL CONTROL DEVICE FOR PUMPING UNITS
Harry Goodman, Britton, Okla.
Substituted for application Serial No. 462,475, October 19, 1942. This application April 3, 1944, Serial No. 529,354
4 Claims. (Cl. 200—152)

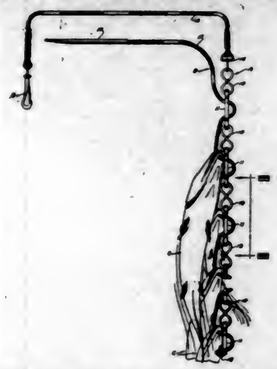


1. Electric apparatus for making and breaking a circuit through contact of a conductive liquid in a sump-pit, including: a pair of spaced electrical terminals within said pit; a closed housing around said terminals, said housing having a minute lower perforation and a larger upper perforation, said lower perforation acting to delay entry of liquid into the housing from the pit as the level of the liquid rises therein, and acting to delay escape of the liquid from the housing as the liquid level in the pit is lowered.

2,424,658
FISH STRINGER
Theodore Hanson, Minneapolis, Minn.
Application April 17, 1946, Serial No. 662,850
6 Claims. (Cl. 224—7)

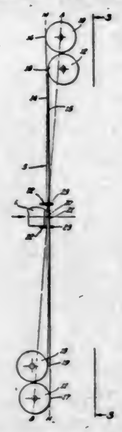
6. In a fish stringer, a length of chain having a rope at its upper end for attachment to a boat or other support, said chain having a series of connected flat links each having a pair of openings, a stringer of flexible cord attached at its lower end to the lower end of the chain and having a needle at its other end for threading through the lips of the fish, and said stringer as each fish is caught being adapted to be passed at

its said other end back and forth through the apertures in one of said links to attach the fish



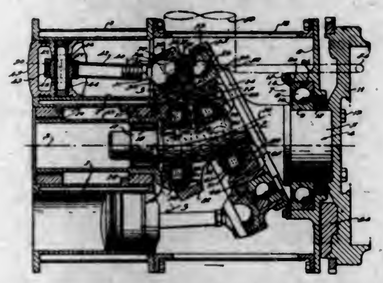
to the chain without detaching its upper end from said support.

2,424,659
HAND BLADE SLICING MACHINE
William Walter Hartman, Los Angeles, Calif.
Application February 11, 1946, Serial No. 646,793
2 Claims. (Cl. 146—88)



1. In a slicing machine, the combination of two spaced, parallel, rotatable blade supporting drums, two spaced rotatable blade deflecting drums mounted between and parallel to said supporting drums, one relatively close to one of said supporting drums and the other relatively close to the other of said supporting drums, said deflecting drums being located on opposite sides of but relatively close to a reference plane that is tangent to opposite sides of said two supporting drums, a multiplicity of endless band blades mounted side by side on said drums, each of said blades being looped over both said supporting drums and also being deflected toward said reference plane by both of said deflecting drums, each of said blades being also twisted through 180° between said supporting drums, to thereby form two 180°-twisted blade courses that cross each other at their midpoints and form a small angle between them, one of said courses extending between said two supporting drums along said reference plane and the other said course extending between said deflecting drums, all in such manner that said blade courses are twisted into parallel positions normal to the drums at their midpoints and that said midpoints of all said courses lie substantially in a straight line that is parallel to said drums, and blade twisting guide means contacting each blade course at two places, one on each side of its said midpoint, to thereby form a slicing zone, said blade twisting guide means twisting said blade courses in the slicing zone into spaced parallel slicing planes that extend normal to said drums.

2,424,660
WOBBLE PLATE ENGINE
Frank C. Howard, Dearborn, Mich.
Application May 7, 1945, Serial No. 592,346
20 Claims. (Cl. 74—60)

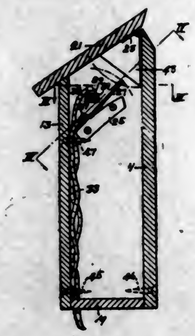


1. A wobble plate mechanism comprising a stationary cylinder block having a plurality of parallel cylinders arranged in a circle, pistons in the cylinders, a rotary shaft parallel to said cylinders and coaxial with said circle, an annular wobble plate journalled on said shaft on an axis inclined to and intersecting the shaft axis, means operatively connecting the pistons to the wobble plate at points fixed circumferentially on the wobble plate, means for absorbing the torque reaction on the wobble plate and restraining its movement comprising a universal joint having a member provided with a pair of aligned trunnions, means pivotally connecting said trunnions to a stationary portion of the mechanism on an axis perpendicular to the axis of said aligned trunnions, a second universal joint having a pair of aligned trunnions, means pivotally connecting said trunnions of the second joint to the wobble plate on an axis perpendicular to the axis of said second pair of trunnions, the centers of said joints being located respectively on the axis of the shaft and the axis of the wobble plate on opposite sides of and at equal distances from the intersection of said axes, and means connecting said pairs of trunnions for maintaining them parallel to each other.

2,424,661
SIGNAL DEVICE FOR MAILBOXES
Joseph C. Jones, Memphis, Tenn.
Application December 10, 1943, Serial No. 513,667
1 Claim. (Cl. 200—57)

In a mail box including walls of dielectric material at right angles, and a cover hinged along one of its edges to a first of said walls; a switch, including a cam rigidly secured to said cover and depending therefrom, in immediate adjacency to a second said wall at right angles to said first wall, a contact member underlying said cover and secured to said second wall beyond the path of movement of said cam in opening and closing movement of said cover, and a complementary

contact assembly underlying said contact member, said assembly including a block secured against said second wall with its remote end beyond said contact member from said cam, and its proximate end spaced from said path of movement, and an overlying flexible contact strip secured at its remote end to said block, said strip



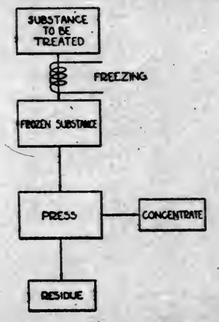
extending in spaced relation to said member and said block into the arc of said path of movement, intermediate the beginning and end thereof, said block extending laterally from said wall beyond said strip and said cam to shield said strip and cam from interfering contact with articles placed in said box.

2,424,662
SHOULDER PAD
Max Lavin, Philadelphia, Pa.
Application May 2, 1946, Serial No. 666,765
1 Claim. (Cl. 2—268)



A shoulder pad for garments comprising an open-ended envelope of generally triangular shape in perimetral outline, the opposite side edges of which converge from the open end of the envelope toward the apex thereof, said envelope being internally filled with a filling wadding of gradually decreasing depth or thickness laterally to either side of the median vertical plane of the envelope, the filled envelope being arched transversely of said median plane with the filling wadding thereof terminating flush with the open-end of the envelope whereby the exposed surface of the wadding is of substantially crescent shape in outline and lies in a substantially flat plane extending transversely of said median plane and substantially normal to the common plane of the converging side edges of the filled envelope, and a stiffened closure for said open-end of the envelope adapted to overlie the crescent-shaped flat surface of the filling wadding, said closure being of crescent shape in outline and being secured along its marginal edges to the edges of the envelope which define the open end thereof, said end closure imparting to the shoulder pad a sharply defined squared end.

2,424,663
REMOVAL OF WATER FROM AQUEOUS SOLUTIONS
Hermon L. Mantle, Painesville, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application December 22, 1944, Serial No. 569,378
4 Claims. (Cl. 99—205)



1. In a process of extracting a liquid concentrate comprising the step (*a*) of freezing a solution less concentrated than the eutectic so that as heat is abstracted ice first solidifies out leaving the liquid in a more concentrated solution until the eutectic composition and temperature at the pressure of the freezing is reached by said concentrated solution; the step (*b*) of freezing to a solid by further abstraction of heat so that there solidifies out at a constant temperature the eutectic solid mixture as an intimate mixture of ice and solute; the step (*c*) of melting the eutectic solid mixture by gradually increasing the compression so as to squeeze out the resulting liquid phase; and the step (*d*) of discarding the ice that is substantially free of the liquid concentrate.

2,424,664
N-BETA-CYANOETHYLALKANE-SULFONAMIDES
David Malcolm McQueen, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1944, Serial No. 540,535
9 Claims. (Cl. 260—464)

9. A compound

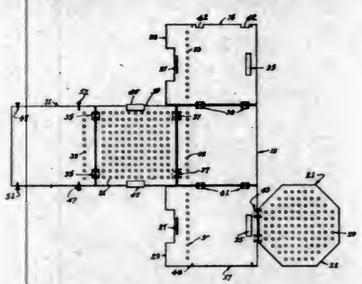
$$Alk—SO_2NRCH_2CH_2CN$$

wherein Alk is a lower alkyl radical and R is a member of the class consisting of hydrogen, lower alkyl, and betacyanoethyl radicals.

2,424,665
COLLAPSIBLE CAMP STOVE
Teddy R. Pope, Sr., Memphis, Tenn.
Application January 2, 1946, Serial No. 638,675
5 Claims. (Cl. 126—9)

1. A collapsible stove comprising flat rectangular sheets of metal respectively adapted to form a front, back, sides, bottom and top of a hollow prism; means hinging the back edges of the sides respectively to the opposite side edges of the back, means hinging the rear edge of the bottom to the lower edge of the back, means hinging the lower edge of the front to the forward edge of the bottom, and means hinging one edge of the top to the upper edge of one of the sides, the means hinging said sides, front, bottom and back to-

gether, preferably holding the top of said sides, front and back at even height to receive said top, said sides being of greater depth than said front and back and cut away intermediate their width below the level of said ends to form supporting feet, and being slotted at the level of the



lower end of said back and of said bottom hinged thereto, said bottom having along its opposite side edges projecting lug portions adapted to engage in said side slots, and means carried by said front engageable with the front portions of said sides to secure said sides to said front with said bottom lugs in supported engagement with said side slots.

2,424,666
GARMENT POCKET
William T. Previdi, Allendale, N. J.
Application November 14, 1945, Serial No. 628,538
1 Claim. (Cl. 2—247)

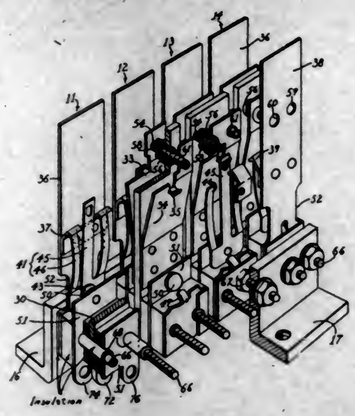


In a garment, a pocket and a flap therefor, the pocket being stitched to the garment, and the flap comprising an outer material and a lining both stitched to the garment body above the pocket, the lining being stitched nearer to the pocket than the outer material, the outer material having an inside hem extending over the stitching of said lining, and the lower line of stitching being capable of transferring stress from the flap to the portion of the garment behind the flap, so that wear due to the stresses will be hidden from view.

2,424,667
HALOGENATED HYDROCARBONS
Maynard Stanley Raasch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 19, 1946, Serial No. 663,607
7 Claims. (Cl. 260—653)

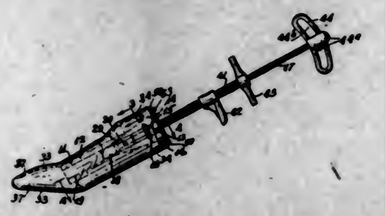
1. Symmetrical diiodotetrafluoroethane.

2,424,668
GANG SWITCH FOR DISPATCH SYSTEMS
Arthur L. Riche, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application June 16, 1943, Serial No. 490,967
4 Claims. (Cl. 200—6)



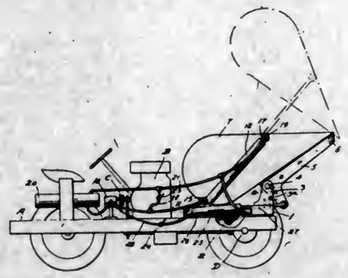
1. The combination in an electric snap switch construction for use in an automatic dispatch system or the like, of a rigid central supporting arm, two resilient adjustor arms located on opposite sides of said central arm, separate means for flexing each of said resilient adjustor arms for adjusting its position relative to said central arm, a resilient actuator arm lying alongside each of said resilient adjustor arms, a snap acting spring carried by each resilient adjustor arm and its actuator arm and operated by relative motion thereof, and electric contacts operated by said snap acting springs, said actuator arms having projections extending beyond the other elements and an operator interposed between the ends of said arms to engage opposed faces thereof to operate the contacts in coordinated relationship.

2,424,669
SHOE STRETCHER
Andrew Rinnela, New York, N. Y.
Substituted for abandoned application Serial No. 502,855, September 18, 1943. This application October 20, 1945. Serial No. 623,514
9 Claims. (Cl. 12—128.3)



1. A shoe stretcher, comprising a two-part last body having right and left last body members, spreading means for said members and including a nut located within a cavity between said members and having a trunnion engaging socket openings in said members, a screw threadedly engaged through said nut, and a swiveled wedge mounted on the inner end of said screw and cooperative with wedge shaped recesses between said members, and hinge means adjustably mounted along said members for hingedly connecting said members.

2,424,670
DUMP TRUCK
Joseph N. Shimer, Los Angeles, Calif.
Application January 31, 1945, Serial No. 575,460
5 Claims. (Cl. 298—22)

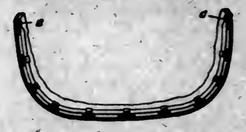


1. In combination with a truck chassis and an engine thereon, brackets rising from the front corners of said chassis, levers pivotally hung in said brackets and normally forwardly rising therefrom, a rod interconnecting the outer ends of said levers, a skip pivotally connected at the front end thereof to the rods of said levers, cylinders pivotally mounted on said chassis, piston rods extending therefrom and pivotally secured to the upper edge of the skip intermediate its ends, a pump operable by said engine, a clutch controlling the operation of said pump, conduits from the pump to the said cylinders for fluid to advance the piston rods and to swing the skip upward on its pivotal lever connections into dumping position, means for controlling rotation of said levers on said brackets to cause the skip to swing forward and downward for dumping at a lower level and means controlling flow through said conduits.

2,424,671
PROCESSES OF PRODUCING OXIDIZED HYDROCARBON WAXES
Ernest Stossel, New York, N. Y.
No Drawing. Application January 20, 1945, Serial No. 573,806
13 Claims. (Cl. 196—142)

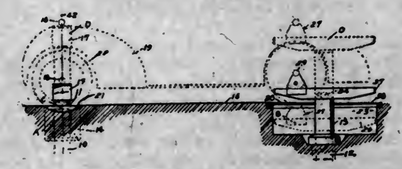
1. A process of producing oxidized hydrocarbon waxes from crude oil containing not only wax bearing substances but also light oils, asphaltic ingredients and oxidation inhibiting constituents comprising the steps of heating said crude oil to a temperature at which also the high melting point waxes contained in said crude oil are dissolved in the same, thereafter cooling said heated crude oil to a temperature at which mainly said high melting point waxes are precipitated from the same while substantially all lower melting point waxes remain in solution, removing the precipitate formed by said cooling, separating the light oils from said precipitate, adding to the thus treated precipitate a small percentage of at least one oxygen compound of chlorine which reacts with the oxidation inhibiting constituents still present in said precipitate, and thereafter subjecting the thus treated precipitate to oxidation in the presence of an oxygen containing gas.

2,424,672
BOAT CONSTRUCTION
Seymour F. Streicker and Edward W. Malek, Chicago, Ill.; said Malek assignor to said Streicker
Application January 3, 1944, Serial No. 516,764
1 Claim. (Cl. 9—6)



In a boat construction, the combination comprising longitudinal ribs and transverse ribs secured thereto, said transverse ribs consisting of light-weight buoyant malleable metallic tubes having flattened offset sealed portions at the ends thereof with remaining portions of the tubes being circular in cross-section and in which opposite wall sections of said sealed portions lie contiguous each other providing air confining chambers for the remaining portions of said tubes, said sealed portions consisting of opposite wall sections of said tubes lying in face-to-face contacting relationship, the contacting faces of said metal being sufficiently malleable so that when said opposite wall sections are brought together in contiguous relationship they provide an absolute hermetic seam construction, and a securing means including a strap of metal fastened around at least one of said tubes and being secured to one of said longitudinal ribs at the bottom of the boat, said strap having a detent in its top surface and a protruding sharp gripping portion in its bottom surface overlying said tube, said tube being of softer metal than said strap, and said gripping portion being embedded in the top wall a substantial distance without penetrating the same, thereby maintaining said hermetically sealed characteristics of said tube.

2,424,673
VEHICLE HOIST
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application February 15, 1945, Serial No. 578,029
2 Claims. (Cl. 254—89)

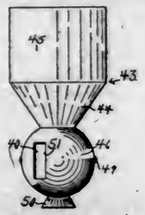


1. In a vehicle lift including front and rear lift members for engaging the front and rear axles of a vehicle to lower and raise said vehicle, with one of said lift members having a pair of longitudinally extended transversely spaced flat upright frame members carried at the upper end thereof, longitudinally movable axle-engaging blocks for said frame members, oppositely arranged guide members on said blocks adapted to straddle said frame members, rollers rotatably supported between said guide members and ridable on the top edges of corresponding ones of said frame members, whereby said blocks, on operation of said lift members to different elevations, are movable by a vehicle carried on said lift members to provide for the centered support of the vehicle in a longitudinally inclined position.

2,424,674
ELECTROLYTIC BRIGHT POLISHING
Harold I. White, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application April 29, 1940, Serial No. 332,238
5 Claims. (Cl. 204—140)

2. A process of anodically polishing metals and alloys which under the influence of the electric current are not completely insoluble in phosphoric acid, which are low in metalloids, and which do not form bath-insoluble reaction products with phosphoric acid, said process comprising preparing an electrolyte consisting of from substantially 57.4% to substantially 82.9% by weight of the substance phosphoric acid, from substantially 10.1% to substantially 21.4% of water by weight, and from substantially 2.5% to substantially 32.5% by weight of an organic substance selected from the group consisting of normal butyl alcohol, secondary butyl alcohol, butyl acetate, normal amyl alcohol, secondary amyl alcohol, and amyl acetate, and electrolyzing therein such metals or alloys.

2,424,675
DISPENSER WITH ROTARY CONVEYER TYPE TRAP CHAMBER
William A. Wood, Minneapolis, Minn.
Application June 10, 1942, Serial No. 446,510
3 Claims. (Cl. 222—368)



1. A dispenser of the type described comprising a storage receptacle provided with a discharge opening, a substantially spherical valve having a pocket on its periphery, a valve housing closely embracing said valve, said valve housing being provided with an intake opening which is in communication with the discharge opening of said receptacle and being also provided with a discharge opening together with a control opening, the latter opening providing access to said valve whereby an operator may place his finger in contact with said valve to rotate the same, and pintle structure for said valve for limiting to a single course the rotation of said valve in the valve housing, the relationship of said valve housing openings to one another and to said pintle structure being such that rotation of said valve through its predetermined course brings said pocket successively into registration with the intake and discharge openings of said valve housing without placing it in registration with said valve control opening.

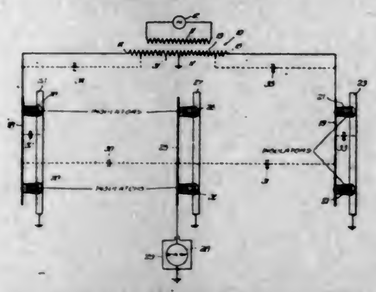
2,424,676
TURBINE LOCOMOTIVE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1945, Serial No. 574,553
5 Claims. (Cl. 105—38)

2. A locomotive comprising, a cab portion, two main truck frames for supporting the cab, each main truck frame having a turbine with its axis disposed longitudinally of the truck frame, a guiding truck, a plurality of driving axles, said turbine being disposed between the guiding truck and the first driving axle, a drive shaft extending longitudinally of the truck frame and driven by the turbine, a plurality of reduction gear and flexible drive units disposed between pairs of adjacent axles for connecting each pair of said



axles to the drive shaft, each unit being removably mounted in a housing supported by the truck frame and comprising an intermediate gear shaft rotatably mounted in the housing and driven by said drive shaft, a quill surrounding each axle and rotatably mounted in the housing, said quills being driven by said intermediate gear shaft, and means for flexibly connecting the quills to the axles.

2,424,677
APPROACH PROTECTIVE APPARATUS
Allan L. Brownlee, Itasca, Ill.
Application October 26, 1942, Serial No. 463,314
10 Claims. (Cl. 177—352)

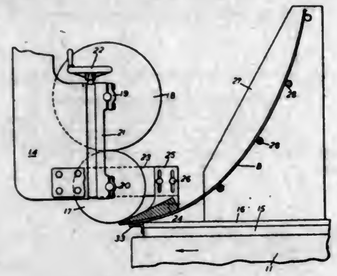


8. An alarm system comprising three independent electrical conducting wires extending over an area, the approach to which is to be guarded, means for electrically energizing two of said wires providing dual capacitance to the third wire, arranged and dimensioned to be substantially proportionally affected by normal weather changes, detector means, including alarm means, operatively connected between said third wire and ground having electrical characteristics maintaining said alarm means unoperated during normal weather changes, substantially proportionally affecting the capacitance of said two energized wires to said third wire, and operating said alarm means when the capacitance of said two energized wires to said third wire are non-proportionately affected as by the approach of a foreign object to said wires.

2,424,678
MACHINE FOR AND METHOD OF CUTTING SHAPED PIECES FROM SHEET MATERIAL
Frederick Baker Collinson, Litherland, Liverpool, England
Application February 19, 1945, Serial No. 578,708
In Great Britain February 15, 1944
12 Claims. (Cl. 164—19)

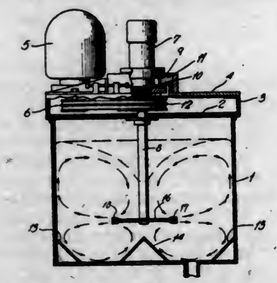
1. A machine of the planing type having a reciprocating platen and a tool carrier, adapted for the cutting of "shaped pieces" from sheet material, comprising a cutting member, having

knives arranged to form a multiple pattern of the shapes to be cut, means securing said cutting member on the reciprocating platen of the machine, a pressing member extending across the pattern of knives in juxtaposition thereto, means supporting said pressing member on the tool



carrier of the machine, the sheet material to be cut being fed between the cutting member and the pressing member, an anvil and means supporting said anvil immediately before the pressing member, preliminary cutting of the material taking place on said anvil.

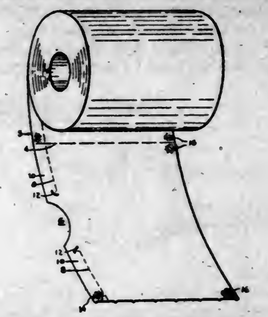
2,424,679
APPARATUS FOR DISSEMINATING MATERIALS IN LIQUIDS
Edwin Cowles, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J., a corporation of New Jersey
Application November 18, 1942, Serial No. 465,965
4 Claims. (Cl. 259—96)



1. Apparatus of the class described, comprising, a casing, an imperforate impeller mounted for rotation in said casing, said impeller having diverging surfaces adjacent the rim thereof, and a multiplicity of impeller vanes projecting upwardly and downwardly from said diverging surfaces and discharging material along each of said diverging surfaces in diverging directions.

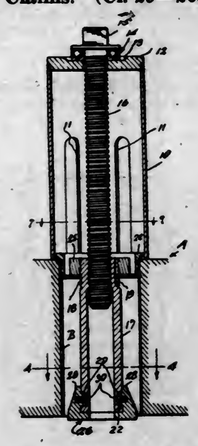
2,424,680
PAPER BIB
Mary R. Doyle, Danville, Calif.
Application January 11, 1945, Serial No. 572,285
5 Claims. (Cl. 2—49)

1. An extended strip of sheet material having successive sections thereof defined by spaced first perforate tear lines extending transversely of the strip, each section along a side thereof forming part of a longitudinal side of the strip being provided with second tear lines substantially parallel to said side and defining tongues severable along the second tear lines to form collar parts for the severed bib, and said side of each section having an indentation therein shaped to conform



with a portion of the neck of the wearer of said bib.

2,424,681
SLEEVE PULLER
Clem Eberhart, Goshen, Ind.
Application November 8, 1944, Serial No. 562,481
2 Claims. (Cl. 29—263)

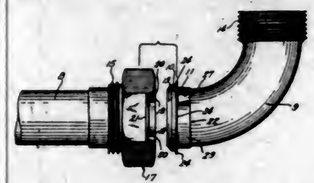


1. In a sleeve puller for a cylinder block, a cup adapted to fit telescopically in the upper end of the sleeve, a barrel attached to and depending centrally from said cup, a sleeve engaging pressure foot mounted on the lower end of said barrel and internal screw threads at the upper end of the barrel, a feed screw operatively engaging the threads in the upper end of said barrel, and a vertically elongated cylinder constituting a support for the feed screw, said cylinder being adapted to rest on the block and also being adapted to telescopically receive the cup and sleeve.

2,424,682
SANITARY PIPE JOINT
Walter Ebert, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application March 10, 1945, Serial No. 582,025
9 Claims. (Cl. 285—122)

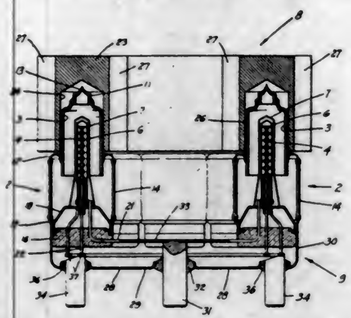
1. In combination, a tube having an external annular flange adjacent an end forming a shoulder, a union nut having a main threaded bore portion for effecting a connection with an adjacent tube end, spaced arcuate flanges projecting

inwardly at one end of said bore of the union nut, said flanges partially outlining a bore which is of less diameter than the external diameter of the external annular flange of the tube, the spaces between said arcuate flanges extending inwardly beyond the inner faces of said flanges, and a lock-



ing ring removably positioned adjacent the shoulder of the external flange of the tube and having radially projecting wings which are insertable into the spaces between the arcuate flanges of the union nut and engageable behind said flanges when the union nut is rotated relative to said wings.

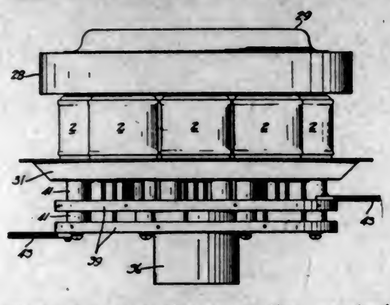
2,424,683
ELECTRON TUBE
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application February 4, 1946, Serial No. 645,441
11 Claims. (Cl. 250—27.5)



7. A multi-unit electron tube comprising a plurality of tube units, each unit having a plurality of electrodes and an individual envelope, the upper part of the envelope constituting an external anode, and a cooler structure embracing the anodes of the several tube units and providing a direct electrical connection between said anodes, said cooler structure affording a supporting connection between the tube units.

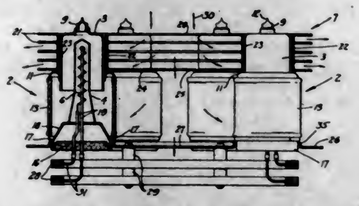
2,424,684
MULTIUNIT ELECTRON TUBE
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application April 27, 1946, Serial No. 665,366
11 Claims. (Cl. 250—27.5)

1. A multi-unit electron tube comprising a plurality of tube units rigidly connected together as a single structural body, each unit having an individual envelope with an output electrode and an input electrode, conducting means affording a direct electrical connection between the corresponding electrodes of the several tube units, and shielding means internally and externally of said units and interposed between the input and out-



put electrodes and the respective conducting means therefor.

2,424,685
MULTIUNIT ELECTRON TUBE
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application May 29, 1946, Serial No. 672,988
6 Claims. (Cl. 250—27.5)

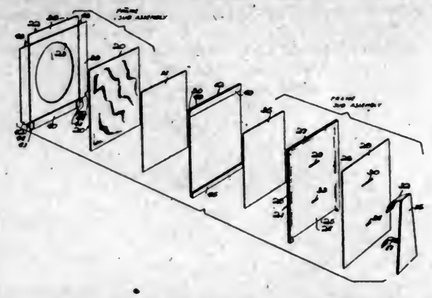


1. A multi-unit electron tube comprising a plurality of tube units, each unit having a plurality of electrodes and an individual envelope, the upper part of the envelope constituting an external anode, a cooler structure embracing the anodes of the several tube units and providing a direct electrical connection between said anodes, said cooler structure comprising parallel heat radiating fins, a base structure engaging the lower portions of the envelopes of the several tube units and providing a direct electrical connection between corresponding electrodes of each of said tube units, said cooler and base structures affording supporting connections between the tube units.

2,424,686
PICTURE FRAME
Joseph B. English, Atlanta, Ga.
Application April 17, 1944, Serial No. 531,477
7 Claims. (Cl. 40—152)

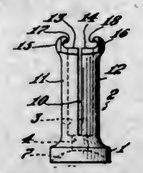
1. A display device for relatively thin and flexible sheet material comprising, in combination, a pocketed frame member and a slide against which the sheet to be displayed is placed, said frame member comprising a transparent plate, a backing element substantially co-terminous with said plate, the plate and backing element being disposed in parallel planes and spaced apart throughout the greater portion of their areas to form a flat pocket therebetween, and means for securing certain margins of the plate and backing element together, said slide comprising a sheet of stiff material of a thickness to snugly fit within the pocket, and having a short relatively stiff

flap at its insertable end overlying an edge only of the display sheet lying thereagainst, thereby fa-



cilitating the insertion of said display sheet and effecting its withdrawal with the slide.

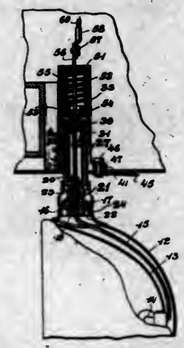
2,424,687
CONDUCTOR SUPPORT
Gardiner G. Greene, Waban, and David Abraham, Waltham, Mass., assignors to Workshop Associates, Incorporated, Newton, Mass., a corporation of Massachusetts
Application February 16, 1946, Serial No. 648,080
9 Claims. (Cl. 174—171)



1. An insulating support for a ribbon-like electrical conductor, said support comprising a base of circular transverse section from which rises a tubular columnar portion having an axial bore and which is diametrically slotted to provide two posts united at their lower ends to the base, each post having a seat surface for engagement with one edge respectively of the conductor, the seat surfaces being normally spaced apart a distance slightly less than the width of the conductor, the material of the support being sufficiently resilient to permit the seat surfaces to be sprung apart to admit the conductor between them.

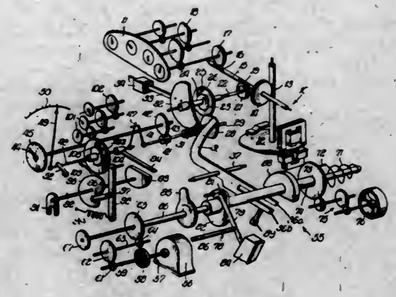
2,424,688
QUICK DETACHABLE LANDING LIGHT FOR AIRPLANES
Warren G. Grimes, Urbana, Ohio
Application December 4, 1944, Serial No. 566,421
6 Claims. (Cl. 240—7.7)

4. A lamp member detachably insertable in a receptacle within the structural surface of an airplane to eliminate added air resistance, said lamp member including a lamp canopy in which a lamp is mounted and a lamp stem on which said lamp canopy is adjustably secured, said lamp stem including a hollow cylindrical member, a bayonet pin extending through at least one side thereof, an electrical contact insulatedly mounted at one end thereof, an internally and externally threaded neck at the other end thereof, an apertured ball member adapted to be secured to the internal threads of said neck, a knurled manually manipulable apertured socket member on the external threads of said neck, said canopy having a slotted bulge within which said ball member is placed to cooperate with said socket member in adjustably securing said canopy on



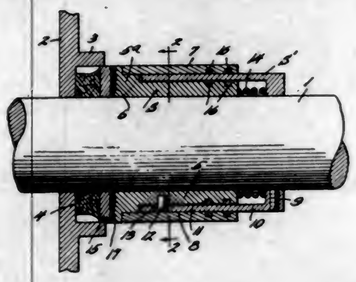
said stem, and an electrical conduit secured to said stem contact and extended through said hollow stem, said neck, said ball and socket members to the lamp within said lamp canopy.

2,424,689
DEMAND METER
Ret O. Hamill, Elmhurst, N. Y.
Application June 2, 1944, Serial No. 538,415
5 Claims. (Cl. 171—34)



1. In a maximum demand electric meter, the combination of load responsive meter means comprising a rotary control member adapted to have uni-directional rotation at speeds which are proportional to the load demand, a maximum demand indicator, a one-way pusher connection through which said demand indicator is adapted to be advanced, an energy storing weight movable between two vertically spaced positions, means connecting said weight with said pusher connection whereby downward movement of said weight is operative to transmit advancing torque to said demand indicator under the control of said rotary control member, a clutch connection interposed between said weight and said rotary control member, whereby said weight can be moved upwardly to its upper position without causing reverse rotation of said rotary control member, interval timing mechanism comprising a continuously operating synchronous motor, means operative automatically to transmit energy from said synchronous motor to said weight for automatically restoring said weight to its raised position at predetermined regular time intervals, and resetting means for periodically resetting said maximum demand indicator to zero position.

2,424,690
SHAFT SEAL
Harry C. Hamilton, Compton, Calif.
Application August 24, 1944, Serial No. 550,990
5 Claims. (Cl. 286—7)

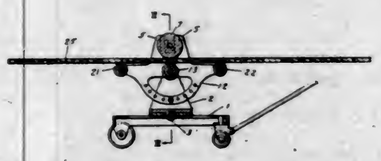


1. A seal for rotary shafts comprising a stationary bearing member encircling the shaft, a sleeve adapted to encircle and slidably embrace the shaft, a circular recess extending longitudinally of the sleeve and opening through an end thereof, a cup member having a cylindrical wall slidably fitting within said recess, means for securing the sleeve and cup member to the shaft for unitary rotation therewith, and means yieldingly urging the sleeve lengthwise of the shaft into tight sealing engagement with the bearing member.

2,424,691
INTERPOLYMERIZATION OF THIOPHENE WITH VINYL ESTERS OF ORGANIC FATTY ACIDS
Rowland C. Hansford, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 8, 1944, Serial No. 544,149
6 Claims. (Cl. 260—86)

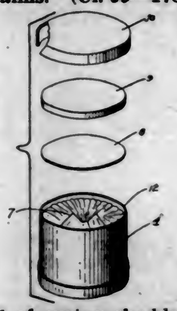
4. The product obtained by reacting substantially equal volumes of thiophene and a vinyl ester selected from the group consisting of vinyl acetate and vinyl propionate, in the presence of boron trifluoride.

2,424,692
LUMBER HANDLING DEVICE
Charles W. Harshberger, Portland, Oreg.
Application July 23, 1945, Serial No. 606,563
6 Claims. (Cl. 214—1)



3. In a lumber handling device, a turret mounted lumber carriage, a live roll and a plurality of free running rolls comprising a lumber traverse surface thereover, with a traction roller over the live roll mounted for revoluble and up and down motion, to apply traction pressure to a board against the live roll when the board is inserted therebetween and to yield to the board when it passes to overbalancing position, thus stopping the travel of the board.

2,424,693
PACKAGING CHEESE CURD
Lewis H. Jones, Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application June 9, 1943, Serial No. 490,175
3 Claims. (Cl. 99—178)



1. The method of curing cheddar-type cheese which comprises removing the press cloth from uncured cheese curd on a platform, immediately covering the cheese while still on the platform with a bag of a thin, limp, moisture proof and oil-resistant material before any substantial settling of the cheese has taken place, inverting a stiff container over the covered cheese, inverting the resulting assembly, removing the platform, covering the exposed portion of the cheese with a portion of the bag material, putting a lid on the container and before doing so, inserting a pressure device in the container over the cheese to prevent the lid of the container from resting on the top edge of the wall of the container so that on applying pressure, the pressure is transmitted to the cheese, and then applying pressure to force the cheese to assume the shape of the interior of the container and thus force entrapped air from the cheese and the container upwardly and out of the bag and thus render the cheese air free, and curing the cheese in the container under pressure in this air-free condition.

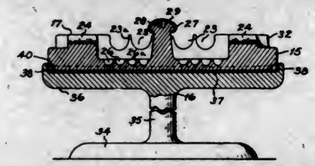
2,424,694
HAULING DEVICE
Lloyd Jones, North East, Pa., assignor to Margaret S. Jones, North East, Pa.
Application July 8, 1944, Serial No. 544,104
4 Claims. (Cl. 280—19)



1. A hauling device comprised of flat flexible sheet material having an upturned end portion, bracing means for the upturned end portion only, the body back of said upturned end portion being longitudinally and transversely flexible, and a spaced series of cleats along each edge of the body back of the upturned end portion, the thickness of the body between the cleats being only the thickness of the flexible sheet.

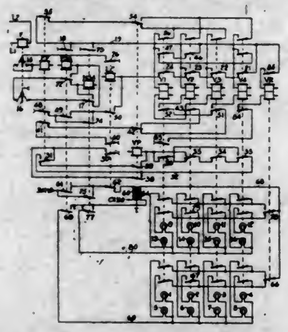
2,424,695
ASH TRAY
Walter Jork, Montreal, Quebec, Canada
Application October 21, 1946, Serial No. 704,667
In Canada May 31, 1946
1 Claim. (Cl. 131—240)

In an ash tray comprising a standard, a receptacle rotatably mounted on the standard and having a central ash receiving portion, and an annular portion for supporting smoking articles, said annular portion having therein smoking article receiving channels, some of which are longer than others, and intermediate the longer and shorter channels a wall member having faces on opposite sides thereof, one of the faces constituting a wall of a shorter channel and the other face



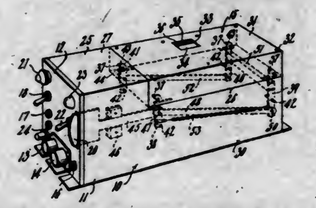
constituting the wall of a longer channel, said first named face extending outwardly from the adjacent channel and inwardly so as to provide a recess in the wall of the intermediate portion, and said recess having a bottom spaced from the bottom of the smaller channel whereby a finger of the operator placed in said recess will be adapted to rotate the ash tray without said finger contacting the channels for the smoking articles.

2,424,696
REMOTE-CONTROL SYSTEM FOR RAILWAY SIGNALS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 29, 1944, Serial No. 547,176
13 Claims. (Cl. 177—353)



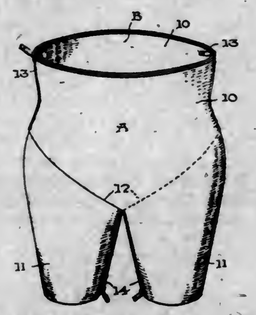
1. In a system for the remote selective control of the indicators of a multiple aspect railway signal over a pair of line wires extending from a control point to the field location of said signal, a telephone dial switch at the control point for applying a selected number of pulses to said line wires, manually operable pole-changing contacts at the control point for governing the polarity of such pulses, and apparatus at the field location responsive to the number and polarity of code pulses comprising, a plurality of circuits for governing the indicators of said signal, means responsive to the polarity of the code pulses for selecting between two groups of said circuits, a bank of stepping relays energized one at a time in response to the successive deenergizations of said line circuit for selecting between the individual circuits of the selected group in accordance with the number of the pulses, and means whereby a sudden change in polarity of energization of said line wires will not change the indicating aspect of said signal.

2,424,697
MAGNETIC RECORDER
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application May 12, 1945, Serial No. 593,378
13 Claims. (Cl. 179—100.2)



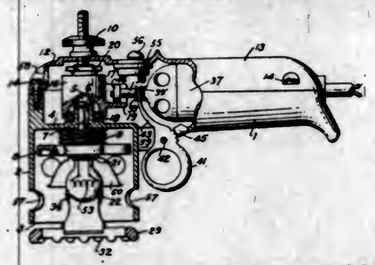
5. A magazine adapted for interchangeable cooperation with a magnetic sound translating unit containing sound translating means and driving mechanism, said magazine comprising reels for traversing a linear magnetic recording medium with respect to a magnetic translating head; coupling elements associated with said reels for mechanically coupling the same to the unit driving mechanism; indicating means for indicating the progress of the medium relative to the translating head; spooling mechanism for layer winding the medium onto and off of said reels; and a coupling element commonly associated with both said indicating means and said spooling mechanism for disengageably mechanically coupling the same to the unit driving mechanism.

2,424,698
COMBINATION NETHER GARMENT
Rose Lewis, New York, N. Y.
Application May 4, 1945, Serial No. 591,951
5 Claims. (Cl. 2—43)



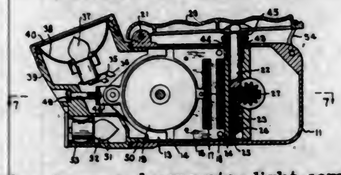
1. A combination nether garment composed of two separate detached complemental sections adapted to be wrapped around the wearer's body from opposite sides thereof, each section comprising a waist encircling girdle portion of a width substantially corresponding to the girth of the waist line of the garment and sufficient to extend from one side of the wearer's body around the back, front and opposite side thereof and a leg encircling portion, the respective girdle portions of the two sections having normally detached free edges meeting at opposite sides of the garment, and fastening means for securing said meeting edges of each section together, the girdle portions of the two sections overlying each other at the front and back of the garment.

2,424,699
MANUAL MASSAGING DEVICE
Amos R. Marty, Marion, Ohio
Application November 14, 1945, Serial No. 628,406
6 Claims. (Cl. 128—24.2)



1. A manual massaging device comprising a base having an axial pivot thereon; an oscillating member mounted on said pivot; a massaging member mounted on said oscillating member; means for mechanically oscillating said oscillating member; and means for varying the amplitude of oscillation of said oscillating member.

2,424,700
GENERATOR LIGHT
Marl McMath, Newport, Ky., assignor to Dayton Acme Co., Cincinnati, Ohio
Application November 11, 1944, Serial No. 562,952
3 Claims. (Cl 240—10.5)



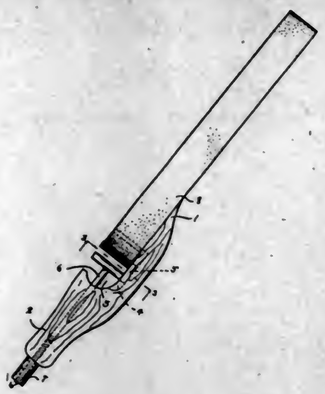
1. A hand powered generator light comprising a frame, a plurality of gears in said frame, a magnetic generator in said frame driven by said gears, an armature in association with said rotor, an open-ended one-piece casing, said frame provided with extrusions, said casing provided with grooves to receive said extrusions for positioning said frame in said casing, a head structure including a light, means for securing said head structure to said casing comprising a clip extending from said casing and engaged by a screw extending through said head structure, and means for locating said frame endwise in said casing.

2,424,701
FUEL TANK CASING
James A. Merrill, Barberton, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application February 24, 1941, Serial No. 380,409
4 Claims. (Cl. 154—43.5)



1. A leak-proof container for liquid hydrocarbons comprising a liner embodying material capable of self-sealing after puncture by a projectile and a shell enclosing said liner composed of a rigid and elastic sheet of a mixture of rubber and cyclized rubber.

2,424,702
ABRASIVE STRIP HOLDER
Elmer V. Miller, Duluth, Minn.
Application April 10, 1946, Serial No. 660,999
5 Claims. (Cl. 51—186)



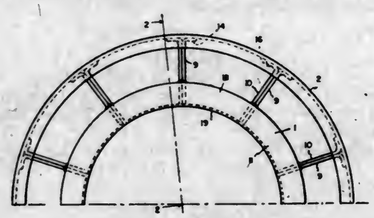
1. An abrasion strip holder comprising: an integral body and handle portion, said body portion being tapered on two opposite sides gradually towards its outer end and having an arcuately shaped lateral extension joining said body and handle portions; an opening intermediate of said handle and body portions; a reciprocable saddle-like carriage installed within said opening; a pitman reciprocably carried axially within said handle having one end extending outwardly of said handle and the other end fixed to said carriage; and a thumb and finger knob screw-threadedly installed upon the outwardly extending end of said pitman for reciprocating same and said carriage.

2,424,703
EGG BEATING DEVICE
Edward M. Morgan, Westmount, Quebec, Canada
Application February 2, 1946, Serial No. 645,024
1 Claim. (Cl. 259—126)



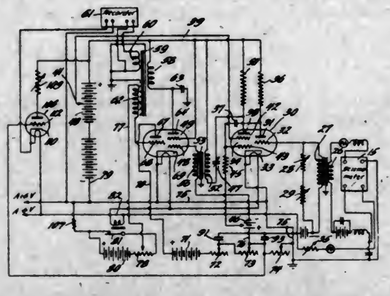
An egg beating device comprising a frame, a crank arm mounted on the frame to revolve about a fixed axis, means for revolving said crank arm, a pair of dasher rods having their upper ends attached to said crank arm to travel therewith in a circular path about said fixed axis and having their lower ends formed to provide interfitting dasher coils, a fulcrum plate attached to said frame, having an opening through which an intermediate portion of one rod is slidable in fulcrum engagement with said plate and an elongated slot in which the other rod is free to swing, and a second fulcrum plate attached to said frame having an opening through which the last mentioned rod is slidable in fulcrum engagement with said second plate.

2,424,704
FABRICATED WHEEL STRUCTURE
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application May 23, 1944, Serial No. 536,901
10 Claims. (Cl. 74—230.3)



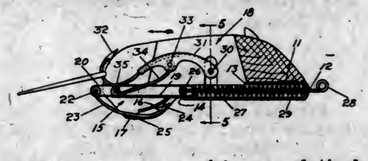
1. A wheel spider comprising a first annulus, a second annulus coaxial with said first annulus, and means for joining the same embodying a plurality of U-shaped stampings with leg portions of adjacent stampings abutted together, the stampings being welded in side-to-side relation to said first and second annuli.

2,424,705
SEISMIC SURVEYING
Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application January 6, 1945, Serial No. 571,625
3 Claims. (Cl. 177—352)



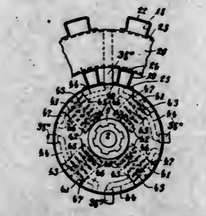
1. In apparatus for recording seismic waves, the combination with means for receiving and converting seismic waves into electrical wave form signals, of an amplifying and recording system for said signals, said system including means operable automatically, in part in response to variation in amplitude of the received seismic waves, and in part as a function of time, to vary the extent to which said signals are amplified to provide a visual wave form record of varying amplitude, and devices associated with said system for recording, concurrently with the recording of said wave form record, a visual record of the progressive variation in signal amplification.

2,424,706
FISHING LURE
Harry D. Pelham, Oroville, Calif., assignor of one-half to Elon H. Downer, Oroville, Calif.
Application September 6, 1944, Serial No. 552,903
4 Claims. (Cl. 43—35)



1. A fishing lure, comprising a relatively long body having a chamber opening through a side of the body and opening through the rear end thereof, a tubular guide extending longitudinally through the body, a slide member supported in the guide, means extending from the slide member through the forward end of the guide and body for the attachment of a fishing line, resilient means within the guide and connected to the slide and normally urging the slide toward the rear end of the body, a hook having a shank portion lying in the chamber, a pivot to secure one end of the shank to the body, the other end of the hook being disposed at the rear of the body and having the point directed outwardly from the center of the body, a link connection between the shank of the hook and the slide rearwardly of the pivoted end of the shank and arranged to effect the oscillation of the hook outwardly upon forward movement of the slide, a yoke attached to the body upon the side opposite from the first mentioned side and extending outwardly from the body, the yoke having a forward facing channel extending substantially longitudinally of the body, a hook having a relatively long member pivotally attached at one end to the slide member and extending forwardly through the yoke, the other end of the last mentioned hook being pointed and adapted to lie in said channel when the slide is at its rearmost position in the tubular guide, and a guide and pivot means forming a part of the yoke for the last mentioned hook constructed and arranged to effect the outward movement of the pivoted end of the last mentioned hook from the body upon forward movement of the slide.

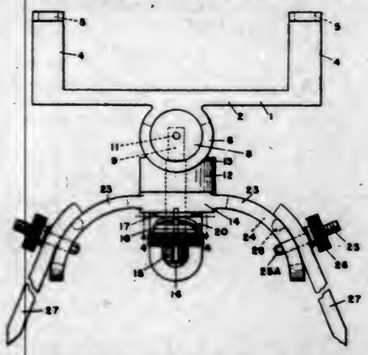
2,424,707
HYDRAULIC COUPLING WITH CHANGEABLE VOLUME OF WORKING FLUID
Albert D. Pentz, Staten Island, N. Y.
Application June 21, 1943, Serial No. 491,633
4 Claims. (Cl. 60—54)



1. A hydraulic coupling between shafts of a mechanism, including a runner connected with one of said shafts for rotation therewith, a circulating fluid, a tubular ring forming a part of said runner for shaping the course of said fluid, a closed chamber acting as a transient reservoir for said fluid, a piston operating in said chamber and subject to the centrifugal force created by

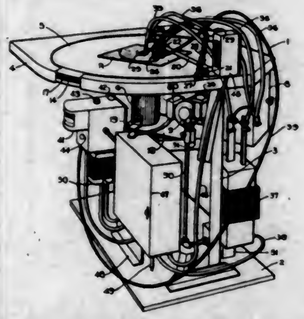
the rotation of said runner shaft, a spring in said chamber operating on said piston in opposition to said centrifugal force, a passage for the admission of said fluid through said tubular ring into said chamber, an inlet valve in said passage, a second passage for the withdrawal of said fluid from said chamber, and an outlet valve in said second passage.

2,424,708
TELESCOPE MOUNT
Stewart H. Resch, Temple, Pa.
Application June 13, 1945, Serial No. 599,222
2 Claims. (Cl. 248—183)



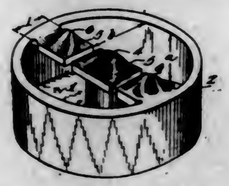
1. An adjustable and movable instrument mount comprising a tripod head, arcuate arms depending from the head, legs adjustably mounted on the arms, a washer seated on the head and having an arcuate depression, an elongated support for the instrument having a slotted, hollow cylinder formed intermediate its ends and seated in the arcuate depression of the washer, a threaded supporting rod extending through the slot and through the washer and head of the tripod, a cylindrical bearing on the rod mounted in the hollow cylinder, a nut on the rod, and a plurality of washers, one of which is resilient and domed between the nut and the head.

2,424,709
APPARATUS FOR CUTTING RUBBER SHEET STOCK AND THE LIKE
Herbert E. Riggs, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 5, 1945, Serial No. 614,558
10 Claims. (Cl. 164—71)



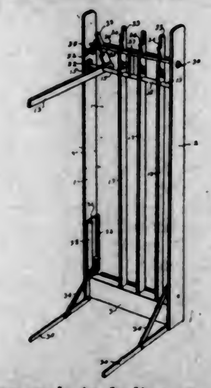
10. Apparatus for cutting rubber sheet stock and the like comprising a rotatably mounted table for supporting the sheet stock, means for rotating the table at a predetermined substantially constant speed, a stationary tiltable arm mounted adjacent the table, a pair of knives adjustably secured to the arm, a transformer delivering a low voltage, high amperage current to the knives, adjustable thermostatically operated control means for controlling the current delivered to the knives to raise them to a predetermined temperature and maintain them at that temperature throughout the cutting operation, a thermocouple interconnecting one of the knives and the control means, an air cylinder for lowering the arm and the knives thereon into position to start cutting the stock, a solenoid actuated by the control means for operating the air cylinder and the rotating means at the instant the knives have reached the predetermined temperature suitable for the cutting operation.

2,424,710
CIGARETTE ASH RECEIVER
Forrest A. Roberts, Arlington, Va., assignor of fifteen one-hundredths to Mary Louise Roberts, Arlington, Va.
Application March 15, 1944, Serial No. 526,563
14 Claims. (Cl. 131—240)



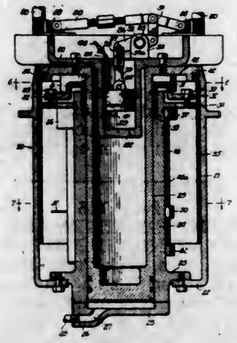
14. An ash receiver including a dished body portion having side portions contiguous with a base portion thereof, at least one supporting structure projecting from one of said side portions, a second supporting structure, said supporting structures each including an externally hollowed portion cooperating to provide at least one longitudinally slotted concave depression for supporting a cigarette, said slot promoting uniform combustion of lighted cigarettes placed thereon.

2,424,711
DRYING RACK
Leonard T. Sanders, Oklahoma City, Okla.
Application December 1, 1944, Serial No. 566,075
3 Claims. (Cl. 211—171)



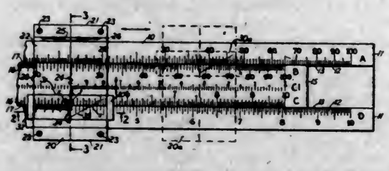
1. A drying rack, including: an upright frame; a plurality of arms having their upper end portions pivotally mounted individually in the frame upon a horizontal axis whereby each may be swung from a depending vertical position to a horizontal position; a horizontal rod supported by the frame in vertically spaced relation above said axis; and a latch element pivotally connected to the extreme upper end of each arm having means engaging the rod and holding the arm in its horizontal position.

2,424,712
DRAW UNIT
Charles F. Scherer, Davenport, Iowa, and Charles C. Popp, Rock Island, Ill., assignors to Davenport Machine and Foundry Company, Davenport, Iowa, a corporation of Iowa
Application May 11, 1944, Serial No. 535,050
8 Claims. (Cl. 22—47)



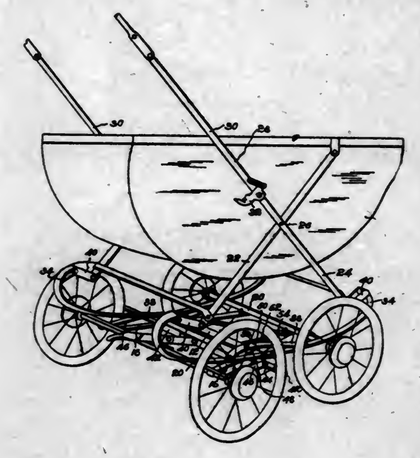
7. In a draw unit, a cylinder and piston operating therein having a hollow head provided with flask leveling and supporting means, bosses fixed to said cylinder exteriorly thereof, screw shafts carried by said piston slidable and rotatable through said bosses, stops threaded on said shafts for adjustment lengthwise thereof and cooperating with said bosses for limiting upward travel of said piston, a yoke member extending about said cylinder connecting said stops and restraining them against rotation, and means within said head operable exteriorly thereof for rotating said shafts.

2,424,713
VERNIER FOR SLIDE RULES
Emil Seidman, Cleveland, Ohio
Application May 11, 1946, Serial No. 669,009
9 Claims. (Cl. 235—70)



1. In combination with a slide rule of the type having a set of opposed linear graduations and a cursor thereon, a plate slidably engageable with the aforesaid cursor, the said plate having indicia thereon, the said indicia consisting of a pair of lines intersecting on a line on the cursor and intercepting a segment of the opposed linear graduations.

2,424,714
STEERING BABY CARRIAGE
Harold F. Shaw, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a corporation of Massachusetts
Application January 23, 1945, Serial No. 574,123
5 Claims. (Cl. 280—48)

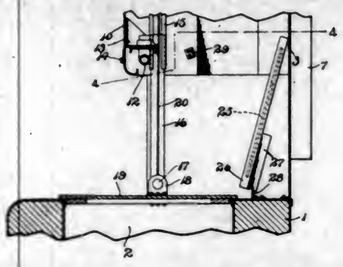


1. A baby carriage comprising front and rear non-rotatable wheeled axles, a pair of non-parallel longitudinal reaches secured at their ends to said axles by vertical pivots spaced from the centers of the axles, the reaches presenting at a location between the axles bearing portions at opposite sides of the center line of the carriage, a pair of longitudinal springs having scrolled ends, the springs being centrally supported at said location from the reaches by means permitting turning movement about vertical pivots of said reaches relative thereto, a body received between the springs, a handle carried by the body for trundling the carriage, the body being suspended from the ends of the springs by straps swingable on the connected parts, whereby the body may freely cushion on the springs but turning force exerted on the body by said handle will be exerted through the straps differentially to turn the reaches and turn at least one of the axles to steer the carriage.

2,424,715
CABINET HAVING MEANS FOR SUPPORTING A HORIZONTAL CLOSURE IN A VERTICAL POSITION
Clifford B. Shreve, Niles, Mich., assignor to Tyler Fixture Corporation, Niles, Mich., a corporation of Michigan
Application November 20, 1944, Serial No. 564,334
5 Claims. (Cl. 312—189)

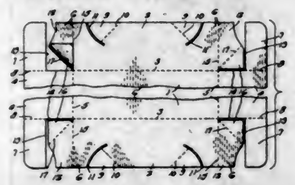
4. A cabinet comprising a compartment open at its upper side, a normally horizontal closure for said open upper side, a superstructure including a vertical front terminating at its lower edge a considerable distance above the upper side of the compartment, vertical guide means located behind said front, a supporting member traversably mounted in said guide means, means for connecting said closure to said supporting member for rotation on a horizontal axis whereby said

closure may be rotated into a vertical plane and elevated to a position behind said front and means



for supporting said closure in said elevated position.

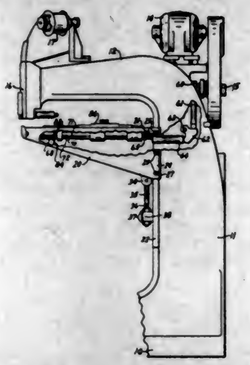
2,424,716
FOLDABLE CARDBOARD BOX
Ralph F. Smart, St. Louis, Mo.
Application June 20, 1945, Serial No. 600,573
3 Claims. (Cl. 229—32)



1. A foldable cardboard box composed of a one-piece blank forming a box bottom, two spaced parallel side walls and two spaced parallel end walls having integral hinge connection with opposite side and end edges, respectively, of said bottom, hinge tabs having integral hinge connection with opposite ends of said respective side walls including attaching portions at the lower ends of said hinge tabs connected with the lower portions of said end walls and leaving said side and end walls movable from positions extending vertically from said bottom when said box is open to positions in which said side walls are folded inwardly flatwise upon said bottom and said end walls are folded inwardly flatwise upon the end portions of said side walls when said box is folded, tabs having hinge connection along their inner edges with said side walls and separated from said side walls along their outer edges by slits extending downwardly from the upper edges of said side walls toward said bottom to intersection with said hinge connection, and straps having integral hinge connection with the ends of said end walls, respectively, extending across the outer surfaces of the end portions of said side walls and thence through said respective slits and attached to the inner sides of said tabs.

2,424,717
STITCHING MACHINE
William R. Spiller and Robert J. Niederhauser, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1943, Serial No. 472,316
19 Claims. (Cl. 1—2)

1. In a wire stitching machine of the character described having a base and an upwardly extending pedestal portion, forming a main frame for the machine and an overhanging head including a stitch forming mechanism, vertically extending ways on said frame, a clincher arm, means for mounting said arm for vertical adjustment on said ways including gibs bearing respectively against said ways, and means for individually ad-



justing said gibs to provide for lateral shifting of said arm upon said ways to locate and secure the clincher mechanism in accurate relation with respect to the stitch forming mechanism.

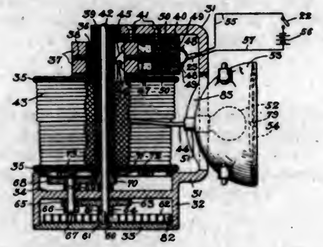
2,424,718
ELECTROLYTIC TREATMENT OF TIN PLATE FOR PREVENTING SULPHUR STAINING
Arthur E. Stevenson, Oak Park, Ill., and Benton Hall Schaub, Long Beach, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 17, 1942
Serial No. 455,122
7 Claims. (Cl. 204—26)

1. The electrolytic method of treating tinplate to prevent sulphide discoloration when contacted with sulphur-containing products, which concludes with treating the same for substantially 1 to 15 seconds at a current density of substantially 10 to 100 amperes per 100 square inches of effective tinplate area as cathode in an alkaline aqueous electrolyte containing soluble chromate in concentration of 2½ to 25 grams per liter computed as anhydrous sodium chromate, at a temperature of substantially 50 to 212 degrees F. and having a pH of substantially 8½ to 12, said cathodic treatment producing upon the tinplate a surface of clear bright appearance resistant against staining by the sulphur-containing product.

2,424,719
AUTO-REEL LIGHT
Joseph F. Stoeck and Anthony J. Valrose, Chicago, Ill.
Application January 13, 1944, Serial No. 518,040
1 Claim. (Cl. 240—8.18)

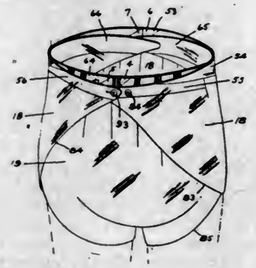
In a reel light, a housing having a body and provided with a spherically concave seat portion on an outer wall thereof, a reel rotatably mounted in said housing, the axis of the said reel and the mid-section of the said seat portion lying within the same geometric plane, a spindle mounted in the said housing, spring-urged winding means mounted in the said body and connected to the said spindle, a length of wire coiled about the drum portion of the said reel, a narrow slot formed in the said seat portion extending diametrically across the said seat portion beyond the magnitude of the said reel and lying in the same geometric plane with the axis of the said

reel, the said wire having its free end trained through the said narrow slot, and a lamp encased in a convex shell and connected to the free end of the said wire, the said convex shell



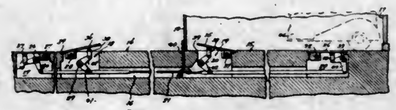
adapted to be retained in the said spherically concave seat portion by the said spring-urged winding means when in inoperative position, the said narrow slot permitting level winding of the said wire on the said reel.

2,424,720
NETHER GARMENT
Mary Stoehr, New York, N. Y.
Application September 9, 1944, Serial No. 553,364
3 Claims. (Cl. 2—224)



1. A nether garment comprising: a unitary front panel; a front waist band element connected to said front panel at the upper edge thereof, said front waist band element including a central member and end members laterally disposed with respect to the central member; a unitary rear panel; a rear waist band element connected to said rear panel at the upper edge thereof, said front waist band element including a central member and end members laterally disposed with respect to the central member; said front and rear panel elements, each tapering toward the lower edges thereof and having opposed side edges extending to meet the lateral members of the waist band element, and opposed crotch edges, said crotch edges of the front and rear panel elements being of inverted V-shape, and being interconnected, whereby when the garment is in an extended generally planar condition, said panels in areas bordering said crotch edges are puckered and relatively full; one of the two end members of each of the waist band elements overlapping the other; and complementary means on each of the two pairs of end members to detachably interconnect the same in a plurality of overlapped positions; whereby when the garment is worn, the side edges of the panel elements are juxtaposed to form leg openings which are supported from and extend to the waist band elements at the upper edge of the garment to maintain said side edges in position bordering the edges of the leg openings and whereby the said crotch edges extend between the inner opposed surfaces of the legs of the wearer with relatively little bulk of material thereat.

2,424,721
AUTOMATIC GARAGE DOOR
Jasper S. Stover, De Queen, Ark.
Application April 25, 1944, Serial No. 532,681
1 Claim. (Cl. 268—35)

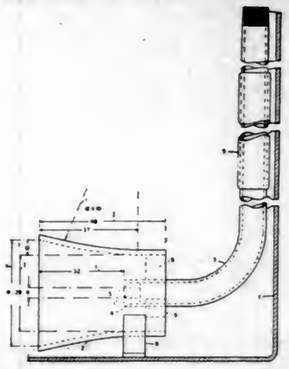


In a garage structure including a floor and a door positioned above the floor, said floor having a plurality of spaced openings therethrough, said door having a pivot rod secured thereto and extending downward therefrom through the floor, an elongated rod movably mounted under the floor, a link pivoted on said rod, said pivot rod being rigidly secured to said link, a pair of spaced treadles pivotally mounted at one end on said floor in two of said openings and adapted when depressed to lie flush with the floor and extending in opposite directions, links pivoted at one end to the undersides of said treadles, bell cranks pivotally mounted below the floor having their upper arms pivoted respectively to the free ends of said links and having longitudinal slots in their lower arms, said rod having spaced pins extending horizontally therefrom and registering in said slots, said treadles being positioned on one side of said door, said rod extending to the other side of said door, a second pair of spaced treadles pivotally mounted at one end on said floor in another two of said openings and adapted when depressed to lie flush with said floor and extending in opposite directions, a second pair of bell cranks pivotally mounted below the floor having their upper arms pivoted respectively to said last-named treadles and having elongated longitudinal slots in their lower arms, said rod having additional pins registering in said slots of said second pair of bell cranks, said floor having ledges projecting into said openings to provide limit stops to said treadles in their depressed position.

2,424,722
JET FOR TANKS AND THE LIKE
Henry Ross Strohecker and Harry Trout Hall, Youngstown, Ohio, assignors to The Youngstown Welding & Engineering Co., Youngstown, Ohio, a corporation of Ohio
Application September 16, 1944, Serial No. 554,530
10 Claims. (Cl. 103—263)

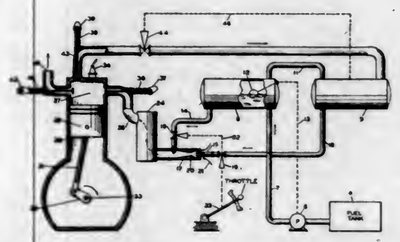
1. In a device of the character described, an open bell of welded Monel plate and a feed pipe entering the bell and ending in a coaxial center nozzle fluid inlet, an acid-proof covering on said pipe for at least part of its length, external support lugs on the rear portion of the bell, equispaced radial webs along said center nozzle between said nozzle and the adjacent end of the bell, said bell having ratio of the difference between outlet diameter and smallest internal diameter to the length from outlet to point of smallest internal diameter about 12:37 and on an external arc of radius 10 times the difference between outlet diameter and smallest internal diameter, and the ratio of the center fluid inlet to

the diameter of the bell outlet being about 4:41, and the ratio of the distance from the outlet of



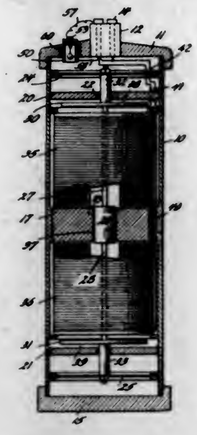
the center nozzle to the outlet of the bell being to the bell length as about 32:48.

2,424,723
INTERNAL-COMBUSTION ENGINE
Carman C. Tate, Mexico City, Mexico, assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 13, 1945, Serial No. 628,308
11 Claims. (Cl. 123—119)



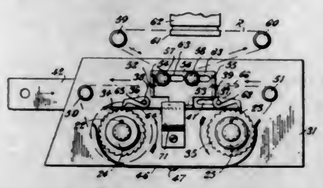
1. An internal combustion engine which comprises in combination a cylindrical combustion chamber having a piston therein capable of reciprocating in said combustion chamber, said piston attached to a crankshaft in such a manner that the reciprocating movement of said piston rotates said crankshaft, an inlet valve positioned in the upper portion of said combustion chamber to admit a combustionable mixture into said combustion chamber, two gas outlet valves positioned in the upper portion of said combustion chamber, means for opening and closing said inlet and outlet valves relative to the position of said piston in said combustion chamber, means for igniting a combustionable mixture in said combustion chamber, a fuel tank, a gas tank, an open conduit communicating between said fuel tank and said gas tank, a conduit communicating between said gas tank and one of said gas outlet valves, an injection means having a hollow cylindrical casing and a nozzle projecting into a restricted area in said casing of said injection means, said restricted area having a fuel inlet adjacent thereto and an opening to the atmosphere at one end thereof, a conduit communicating between said gas tank and said nozzle of said injection means having a valve therein for the control of the flow of gas therethrough, a conduit communicating between said fuel tank and said fuel inlet adjacent to said restricted area of said injection means having a valve therein for the control of the flow of fluid therethrough, a surge tank, a conduit communicating between said injection means and said surge tank, and a conduit communicating between said surge tank and said inlet valve of said combustion chamber.

2,424,724
POSITION DAMPENED SEISMOMETER
John F. Tolk, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application July 27, 1945, Serial No. 607,398
3 Claims. (Cl. 177—352)



2. In apparatus for use in seismic surveying, the combination with a seismometer of the magnetic type having a signal generating winding in which electrical currents are induced in response to earth vibrations, of a device carried by said seismometer and automatically operable to short said winding whenever said seismometer is displaced from the normally operative, upright position.

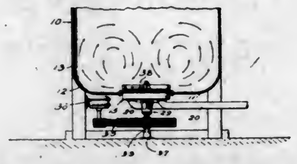
2,424,725
INK RIBBON FEEDING DEVICE
Joseph Weimont, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application June 17, 1944, Serial No. 540,789
1 Claim. (Cl. 101—336)



An ink ribbon feeding device for printing machines comprising, a base plate, a pair of shafts mounted on said base plate, a ribbon carrying spool mounted on each of said shafts, a ratchet wheel mounted on each of said shafts, a reciprocating bar mounted on said base plate, a pair of feed pawls mounted on said bar and actuated thereby and adapted to engage said ratchet wheels to rotate said ratchet wheels in opposite

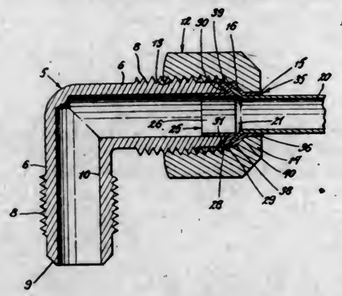
directions, a movable carriage mounted on said base plate, means carried by said carriage and extending beneath said feed pawls and having surfaces engageable by said pawls for positively preventing engagement of one or the other of said pawls with said ratchet wheels, and means carried by said ribbon for moving said carriage to reverse the direction of travel of said ribbon.

2,424,726
PULP BEATER AND SELECTOR
Harold Donald Wells, Glens Falls, N. Y.
Application December 28, 1944, Serial No. 570,151
9 Claims. (Cl. 92—23)



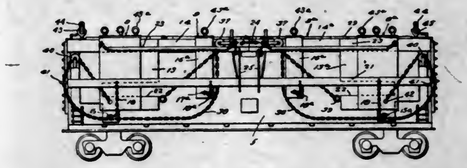
1. In a pulp beater and selector, a pulp discharge screen forming part of a tank wall, a rotary shaft perpendicular to said screen and disposed centrally thereof, and an impeller secured to said shaft in spaced opposed relation with the inner side of said screen, said impeller having circumferentially spaced arms projecting away from said shaft and spaced from said inner side of said screen in the direction of the shaft axis, said inner side of said screen being exposed to the tank interior between said arms, said arms each having a front side of a width to beat the pulp and vortically circulate the same, said arms being sufficiently close to said screen to cause said arms and screen to coact in giving the pulp fibers a thorough rubbing and brushing, thereby simultaneously defibering and hydrating the pulp, and fibrillating the individual fibers and brooming their ends.

2,424,727
ADAPTER FOR FLARED TUBE FITTINGS
Edward A. Wenk, New York, N. Y., assignor to The Keystone Manufacturing Co., Buffalo, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,133
2 Claims. (Cl. 285—86)



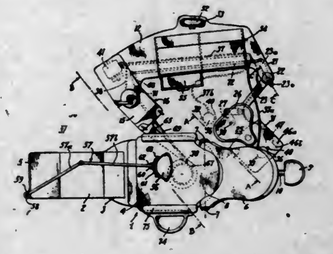
1. An adapter between a thin walled tube having an end flare and an oversized fitting including a body having a bore and an annular face at one end surrounding said bore and a nut secured to said one end of said body and having a bore coaxial with and equal in diameter to said first bore and having an annular face opposing said first annular face; comprising a sleeve fitted in said bore of said body and having an annular flange engaging said annular face of said body, and a second sleeve fitted in said bore of said nut and of the same radial size as said first sleeve and having an annular flange engaging said annular face of said nut, said tube fitting in said second sleeve and having its flare held between said flanges.

2,424,728
OVERHEAD BOXCAR DOOR
Oliver M. Williams, St. Louis, Mo.
Application December 14, 1944, Serial No. 568,123
8 Claims. (Cl. 105—377)



1. In a railway box car, a body having a sectional roof affording an overhead door construction, said roof including two vertically movable end sections and two horizontally movable intermediate sections disposed in end-to-end relation when closed, and means to raise and open and to lower and close said end sections, said intermediate sections being movable to open positions beneath their respective end sections when the latter are raised, walls depending from the sides of said end sections and having horizontal slots in the lower portions thereof opening through the inner edges of the same, said intermediate sections having side portions movable into said slots when the end sections are raised to hold the end sections in open position, said end and intermediate roof sections having depending straps, and securing means passing through said straps and into the car body to secure the roof sections in closed position.

2,424,729
DENTIST'S MOBILE EQUIPMENT UNIT
Juel L. Andreasen, Salinas, Calif.
Application June 23, 1945, Serial No. 601,140
2 Claims. (Cl. 32—22)



1. In a dentist's equipment to be employed in conjunction with the patient's chair, the combination of a support for the dentist's drill, rotary means for supporting the said support on the floor to move into different positions at the side of the chair, a motor and dentist's drill driven thereby also mounted on said support, a dentist's seat connected with said support and capable of moving in unison with same, a foot rest for the

dentist associated with said seat, an electric circuit for said motor supported on said support, means carried on said foot rest for controlling said circuit to control the operation of the said motor, a second motor carried on said support and having a driving wheel resting on the floor for moving the support and dentist's seat with relation to the chair, and a circuit for the same with means including a switch for controlling the second motor from the dentist's position on said seat.

2,424,730

COATING COMPOSITION COMPRISING A VEHICLE CONTAINING DRYING OIL-MODIFIED ALKYD OR PHENOL-FORMALDEHYDE RESIN, PIGMENT, LITHARGE, AND CALCIUM HYDRATE

Ladislaus Balassa, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1944, Serial No. 519,653
6 Claims. (Cl. 260—19)

1. A pigmented coating composition a film of which of about .0005 inch in thickness dries at room temperatures in less than about 10 minutes to a tack-free stage, comprising a vehicle containing a resin selected from the group consisting of alkyd and phenol formaldehyde resins modified with a drying fatty oil, a pigment and from .1% to 4.0% of litharge and calcium hydrate based on the total film-forming solids, the ratio of litharge to calcium hydrate being between 4 parts of litharge to 1 part of calcium hydrate and 1 part of litharge to 4 parts of calcium hydrate, the said pigment having been dispersed in the said vehicle in the presence of the said litharge and calcium hydrate.

2,424,731

FOUNTAIN PEN

Hans A. Bauer, Prairie View, Fred D. Woods, Glencoe, and Garfield L. Beckstrom, Chicago, Ill., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois

Application March 8, 1945, Serial No. 581,590
6 Claims. (Cl. 120—52)



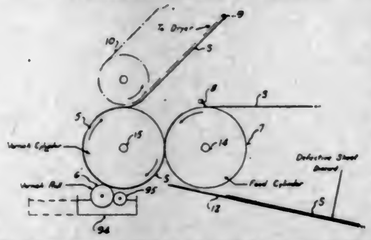
1. In a fountain pen, a nib and nib cap support, an annular shoulder provided on the support, a forwardly opening slot provided in the support and extending rearwardly from the shoulder, a pen nib having a contour conforming to the contour of the support and its opposite sides embracing the support for detachably connecting the nib and support, and a tail spring projecting from the end of the nib adapted to enter the slot and fit conformably therein for correctly locating the nib on the support and with the end of the nib adapted to abut the annular shoulder whereby to assure accurate positioning and alignment of the nib upon its support and permit its replacement.

2,424,732

PAPER SHEET VARNISHER AND PRINTING MACHINE

Elmer W. Belluche and Frank R. Belluche, Racine, Wis., assignors to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin

Application November 30, 1942, Serial No. 467,370
7 Claims. (Cl. 101—247)



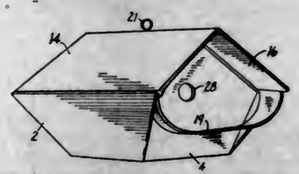
1. In a printing machine of the character described, the combination of: a printing couple biased to open position; means for feeding sheets to the printing couple including a pair of cylinders equipped with sheet grippers for holding sheets thereon; means for actuating the grippers to effect transfer of the sheets from one cylinder to the other including retractible cams; latch held means for holding the cams in their operative positions; latch held means for holding the printing couple closed; a detector for ascertaining if the sheets fed are defective; means governed by the detector for releasing both of said latch held means upon presentation of a defective sheet to the detector so that such defective sheet is not passed through the printing couple, and the printing couple is open during the time no sheet passes therethrough; and means automatically operable during the next cycle of the machine for reclosing the printing couple, restoring the cams to their operative positions and resetting said latch held means to hold the printing couple closed and the cams in their operative positions.

2,424,733

BIRDHOUSE

Merle K. Benson, Benton Harbor, Mich.

Application August 29, 1945, Serial No. 613,346
10 Claims. (Cl. 119—23)
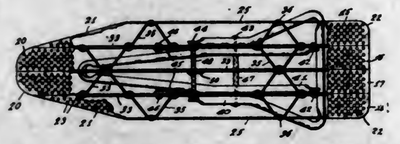


8. A birdhouse formed of an integral blank and comprising a bottom, side and end walls, adjacent end edges of the side and end walls being connected by corner flaps, the top edges of the end walls being upwardly tapered and having out-turned roof anchoring flaps extending therefrom, and a roof member extending from the upper edge of one side wall disposed upon the end walls and having end flaps folded inwardly under the said roof anchoring flaps on said end walls.

2,424,734

SECTIONAL IRONING BOARD HAVING FOLDABLE SUPPORTS

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application November 13, 1943, Serial No. 510,190
8 Claims. (Cl. 38—137)



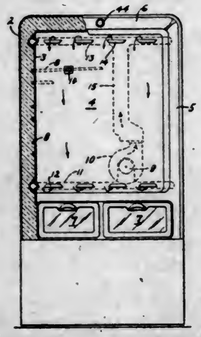
1. In an ironing board, a top comprising a plurality of longitudinally extending sheet-metal sections, said sections being provided with downwardly projecting flanges extending along their longitudinal edges, adjacent flanges of adjacent sections being juxtaposed and secured together to form strengthening ribs for the top, and a folding support for said top, said support including one or more members pivotally connected to certain of said strengthening ribs.

2,424,735

HUMIDITY CONTROL APPARATUS

Wilson P. Boothroyd, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application January 27, 1945, Serial No. 574,951
4 Claims. (Cl. 236—44)



1. In a refrigerator, apparatus for controlling the percent relative humidity within a compartment of said refrigerator, said apparatus comprising; an element in contact with moisture-laden air of said compartment and having an electrical resistance characteristic variable in accordance with the amount of moisture present thereon, means for maintaining said element at a temperature lower than the average temperature of the air within said compartment, means adapted to vary the moisture content of said air, and means operable to initiate operation of said moisture-varying means when the resistance of said element has attained a predetermined value.

2,424,736

RUBBER COMPOSITION AND METHOD OF MAKING SAME

Stewart L. Brams, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application February 23, 1944, Serial No. 523,574
7 Claims. (Cl. 260—41)

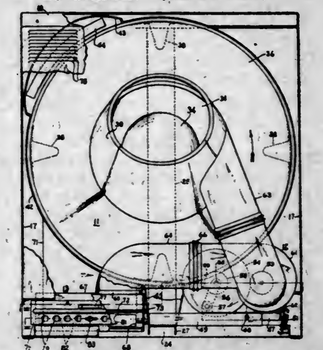
3. A liquid rubberlike composition adapted to be used as a cement between rubberlike materials and metal parts comprising; a rubbery ingredient, selected from the class consisting of natural rubber, polychloroprene and butadiene styrene co-polymer 100 parts, and having incorporated therein channel carbon black in excess of the rubbery ingredient, wherein the channel carbon black has a particle size within the range of 3 to 100 millimicrons, the quantity of said channel carbon black having a surface area equal to the surface area of from 101 to 300 parts of a 28 millimicron particle size channel carbon black, and a solvent for the rubbery ingredient.

2,424,737

DRYING APPARATUS

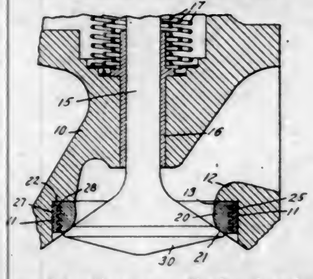
Francis J. Broglie, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1944, Serial No. 555,959
10 Claims. (Cl. 34—82)



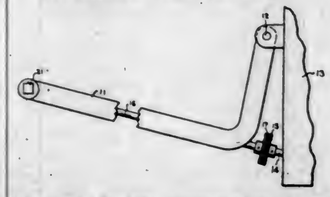
4. In a drier for fabrics or the like, the combination of a casing having an access opening therein, a perforate basket rotatable about a generally horizontal axis within the casing for tumbling the fabrics contained therein, means for rotatably supporting the basket, said basket having an opening formed in the end thereof adjacent the access opening of the casing, a chute carried by the casing for conveying fabrics from the access opening in the casing through the opening in the basket to the interior of the latter, a generally cylindrical baffle spaced from and encompassing the basket and having a recess formed therein, an electric heater arranged within the recess for radiating heat toward the basket, a fan for circulating air through the basket, driving means for rotating said basket and said fan, said chute having an air opening formed in a side thereof, an inlet duct connecting said air opening and the inlet of the fan, a discharge duct for conveying air from the fan to the space intervening between said baffle and the basket, a lint trap interposed in said discharge duct for separating lint carried in suspension by the stream of air, means for admitting air from the ambient atmosphere to the interior of the casing and means for discharging filtered air from the lint trap to the ambient atmosphere.

2,424,738
VALVE MECHANISM
Wilhelm B. Bronander, Montclair, N. J.
Application July 31, 1945, Serial No. 608,001
3 Claims. (Cl. 123—188)



3. In combination, a cylinder head having a valve seat opening and a valve seat unit comprising an inner ring having a valve seat and having external threads and a flange at one end of the threads extending laterally beyond said threaded portion, and an outer ring having internal threads threaded on said inner ring and having one end abutting said flange, said valve opening in the head having an inwardly extending flange forming a shoulder at the inner edge of the opening, said outer ring being secured in said opening with the inner ring flange disposed against said shoulder, the threads on the inner and outer rings being so dimensioned that a clearance is provided therebetween to permit limited lateral movement of the inner ring in the outer ring.

2,424,739
MOTION-PICTURE PROJECTOR
Don Canady, Cleveland, Ohio
Application March 7, 1944, Serial No. 525,451
3 Claims. (Cl. 242—75)



1. A take-up device comprising a frame, a drive shaft carried by said frame, an arm pivoted to said frame and having a portion extending substantially parallel to said drive shaft, a driven shaft carried by said arm movable into axial alignment with said drive shaft, a friction clutch interposed between the ends of said shafts, and a transverse reel shaft mounted in the end of said arm and driven by said driven shaft.

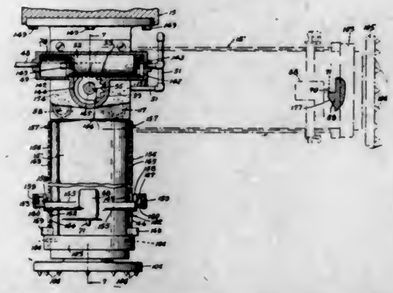
2,424,740
SHAPED FEATHERBONE MATERIAL AND PROCESS FOR MAKING SAME
Frederic W. Chamberlain and Anthony J. Klute, Three Oaks, Mich., assignors to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan
Application January 27, 1944, Serial No. 519,874
5 Claims. (Cl. 2—258)

1. The herein described process which comprises binding together a plurality of substantially parallel, elongated slivers of feather quills, compacting the same with sizing into an elongated body, forming said body, while soft, to a predetermined curvilinear shape, and hardening



said body while it is secured on a mandrel, and sizing said body while so shaped, and drying the same.

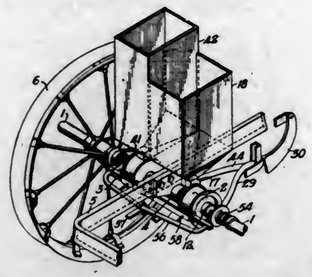
2,424,741
AUTO JACK
Edward J. Chambers, Chicago, Ill., assignor of forty-nine per cent to John Breland Whigam, Chicago, Ill.
Application September 26, 1944, Serial No. 555,813
19 Claims. (Cl. 254—86)



1. A fluid jack mechanism comprising, a bracket secured to a load to be raised, a jack body articulately secured to the said bracket and adapted to be motivated thru an arcuate sector of substantially 90°, fluid operable rack and pinion means secured within the said jack body and adapted to motivate the said jack body thru an arcuate sector of substantially 90°, a jack piston telescopically secured within the said jack body and adapted to be extended and retracted with respect thereto, piston locking means secured to the said jack body and adapted to lock releasably the said jack piston in extended and retracted positions, keeper means secured to the said load to be raised, retainer means secured to the said jack body adapted to engage releasably the said keeper means, valve means associated with the said jack body adapted to cause fluid pressure passing therethru to initially disengage the said retainer means from the said keeper means, secondly to cause accumulated fluid pressure to release the said piston locking means, and ultimately to cause the accumulated fluid pressure to motivate the said jack piston to extended position, and electro-magnetic valve means controllable remotely with respect to the said jack body and

adapted to control the passage of said fluid pressure from a source of supply to the said valve means and to the said fluid operable rack and pinion means.

2,424,742
ROTARY PLANTER
Matthys Johannes Uys Coetzee, Nigel, Transvaal, Union of South Africa
Application July 22, 1944, Serial No. 546,132
In the Union of South Africa August 19, 1943
4 Claims. (Cl. 111—78)



1. In an apparatus of the character described, the combination of a vehicle having wheels and a rotary axle for the same, a cylindrical container for granular material, the cylinder having an open end and a discharge opening at its circumference, a rotary dispenser for granular material in the container provided with a circular disc and positioned with said disc against the open end of the container to close the same, a hub for said rotary dispenser loosely seated on the rotary axle, and means for drivingly connecting the hub with the axle.

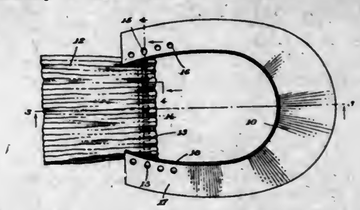
2,424,743
COMPOSITE TEXTILE STRAND AND FABRIC
Archibald H. Davis, Washington, D. C.
Application March 31, 1945, Serial No. 585,879
9 Claims. (Cl. 28—82)



1. A composite textile strand comprising at least one inorganic fiber and discrete elements of an organic plastic composition covering a portion only of the surface of said inorganic fiber and projecting therefrom to a greater effective diameter in the strand than the inorganic fiber.

2,424,744
FACE AND NECK PROTECTOR FOR HAIR DRYERS
Paul Dicken and Ruth Dicken, Dysart, Iowa
Application January 5, 1945, Serial No. 571,513
1 Claim. (Cl. 2—174)

A device of the kind described, comprising a substantially horse shoe shaped visor body, including spaced arms, an apron having a fluted casement at one edge thereof for lateral disposition between the arms adjacent the ends thereof, an elastic strap loosely disposed within the casement and substantially co-extensive therewith, means interconnecting the strap and the material of the casement adjacent opposite ends thereof, and means for detachably and adjustably connecting the apron with the visor body comprising a plurality of spaced holes adjacent the end of



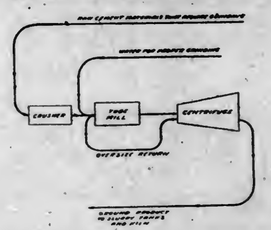
each arm and hook members forming a part of said first means detachably engageable with selected ones of said holes.

2,424,745
ELECTRICAL SWITCH
Edmund Doucette, Newark, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application January 11, 1946, Serial No. 640,501
6 Claims. (Cl. 200—11)



2. A switch structure for use with an electrical instrument including: a plurality of concentric circles of stationary contacts; said switch including a carrying body, a plurality of inverted U-shaped contact members carried by said carrying body, and springs between said inverted U-shaped members for said body to yieldably maintain said inverted U-shaped members in spaced relation and urge the ends of their legs in contact-engaging position; said carrying body open at its top to facilitate assembly of the inverted U-shaped contacts and their associated springs; said carrying body having its bottom cut away at its ends to permit extension of the legs of the inverted U-shaped contours to project from the carrying body; a cover plate on said body for confining said inverted U-shaped contours and springs within the body; and depending end projections on said cover plate for closing the ends of said carrying body.

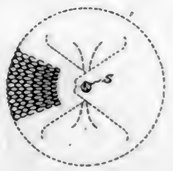
2,424,746
CEMENT MANUFACTURE
Frank A. Downes, Westport, Conn., assignor, by mesne assignments, to Bird Machine Company, Walpole, Mass., a corporation of Massachusetts
Application September 25, 1940, Serial No. 358,226
8 Claims. (Cl. 106—100)



1. The process of making cement which comprises grinding the cement forming materials at the dilution at which the grinding mill operates most efficiently, classifying the mill discharge in a centrifuge capable of separating sus-

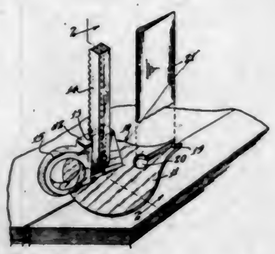
pended solids and removing such solids substantially as fast as separated without substantially increasing the dilution of the mill discharge, sending the sufficiently ground material on to process and returning the insufficiently ground material from the centrifuge back to the mill in closed circuit for further grinding.

2,424,747
SCOURING DEVICE
Norman Stanley Ellis, Hamilton, Ontario, Canada, assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application January 9, 1945, Serial No. 572,014
2 Claims. (Cl. 15—209)



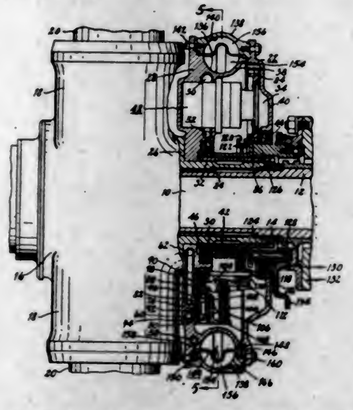
1. In a scouring body of the kind described having a tubular knit cover section of metallic mesh, means to close an open end of said cover section comprising opposed diametrically aligned primary folds formed in the cover section walls to project radially from the scouring body, said primary folds each comprising cover section wall portions doubled upon themselves, said primary folds having their end parts telescoped together whereby doubled together wall portions of one are entered between the doubled together wall portions of the other, said thus telescoped wall portions of the primary folds being flattened into contiguous relation, similarly formed radial and opposed diametrically aligned secondary folds right angular to said primary fold formation, end parts of said secondary folds being turned to lie parallel and flatly contiguous to said primary fold formation respectively at opposite sides of the latter, and means to fixedly secure the thus related primary and secondary folds against separation.

2,424,748
PRESSER FOOT FOR CLOTH CUTTING MACHINES
Harry R. T. Gilbert, Los Angeles, Calif.
Application May 6, 1944, Serial No. 534,505
2 Claims. (Cl. 30—275)



1. A presser foot for cloth cutting machines, having a foot body, an aperture in said foot body for the reciprocation of a cutting knife and an attaching extension, said body being formed entirely of a transparent substance affording substantially unobstructed view of the work being cut during operation, said attaching extension comprising a slotted member for attachment to an attaching bar of a cutting machine, a curved handle member, and a pair of arms secured to said presser body.

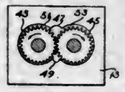
2,424,749
PROPELLER PITCH CONTROL
John F. Haines, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 12, 1942, Serial No. 461,686
9 Claims. (Cl. 170—163)



1. In a system for controlling the pitch of propeller blades by a hydraulically operated device, the combination of an accumulator for liquid under pressure, resilient means associated with the accumulator for varying the pressure therein in accordance with the amount of liquid present in the accumulator, a reservoir, a pump system connected with the reservoir and including a delivery chamber, means for limiting the pressure in the chamber to a predetermined value, a communication between the delivery chamber and the accumulator, and a check valve mounted in the communication and adapted to open only in the direction of the accumulator, said pressure limiting means comprising a centrifugally actuated valve and opposing piston exposed to accumulator pressure, adapted to unload the delivery chamber to the reservoir when a predetermined pressure value is obtained.

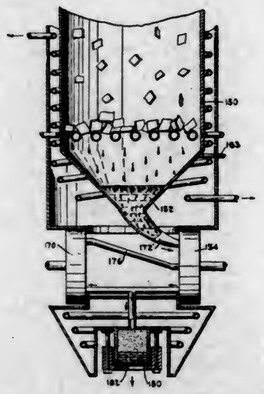
8. In a system for controlling the pitch of blades of a propeller by hydraulically operated devices, the combination of a hub, having pitch shiftable blades, hydraulic devices for shifting the blades, a liquid containing reservoir mounted on the hub for rotation therewith, an accumulator of annular form concentric with and mounted for rotation with the reservoir, control mechanism mounted within the reservoir and having fluid connections with the reservoir and accumulator, speed responsive means exposed to the fluid pressure in the accumulator and adapted to selectively distribute that pressure to the hydraulically operated devices for effecting a change of pitch in the propeller blades in response to speed of propeller rotation, said accumulator pressure being sufficient and available to shift the blade pitch to a feathering position, and control means operable upon the speed responsive means for selectively applying the accumulator pressure to the hydraulically operated devices.

2,424,750
METHOD AND APPARATUS FOR METERING, IN ITS BUBBLE-FREE STATE, A BUBBLE-CONTAINING FLUID
Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 5, 1941, Serial No. 401,103
18 Claims. (Cl. 103—126)



13. The method of metering, in its bubble-free state, a viscous bubble-containing composition which comprises subjecting the composition to a frictional drag of sufficient magnitude to cause solution of the bubbles, and forwarding the bubble-free composition at a constant rate.

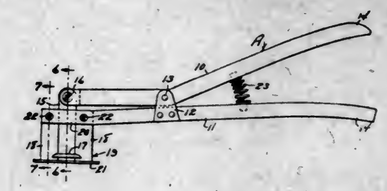
2,424,751
PROCESS FOR PUMPING
Winfield Walter Heckert, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 21, 1942, Serial No. 435,670
7 Claims. (Cl. 261—1)



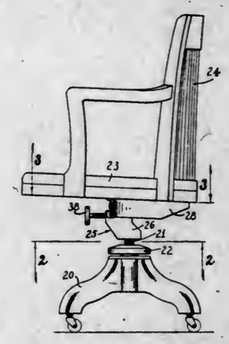
1. The process of dissolving the bubbles in a bubble-containing liquid and metering said liquid in its bubble-free state which comprises continuously forwarding, at a substantially constant rate, a liquid containing bubbles, continuously forcing, at a substantially constant rate, into said bubble-containing liquid, as it is being forwarded and without increasing the volume thereof, a liquid of like composition but free from bubbles, the volume of said bubble-free liquid being at least equal to the volume of the bubbles in said bubble-containing liquid, whereby said bubbles are dissolved in the liquid and said bubble-free liquid is metered.

2,424,752
TAMPER PLIERS
Thaddeus A. Heermans, Dallas, Tex.
Application June 1, 1944, Serial No. 538,280
4 Claims. (Cl. 29—205)

1. A tool of the kind described, comprising a pair of pivotally connected levers superposed relative to each other, a holding prop for the uppermost lever and connected thereto and a tamping plunger having a pair of depending legs detachably fixed to the lowermost lever and slidably interfitted with the prop parallel therewith on opposite sides thereof in the same vertical plane.



2,424,753
TILTING CHAIR
Walter F. Herold, Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application May 26, 1944, Serial No. 537,495
15 Claims. (Cl. 155—77)

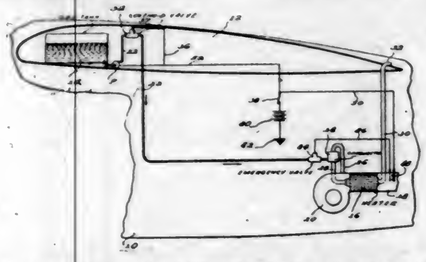


15. In a tilting chair, the combination of a seat, a bar spring extending crosswise of the seat at the under portion thereof and connected at its ends to the seat to carry the entire weight thereof and having its middle portion free of the seat, a frame located substantially centrally of the seat and spaced downwardly therefrom and free of engagement with the seat but engaged with the middle portion of said spring to anchor the same and thereby carry the weight of the seat, said spring being capable of flexing in portions thereof between the ends and said frame and being so flexed as the seat is tipped in a vertical plane, and a base supporting said frame.

2,424,754
FUEL FEEDING SYSTEM WITH COMBINED VALVE AND AIR VENT
Seymour E. Heymann, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 29, 1942, Serial No. 452,713
8 Claims. (Cl. 158—42.4)

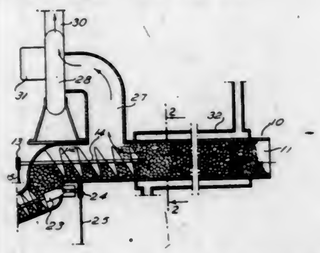
1. A fuel feeding system for supplying an internal combustion heater of an airplane with fuel from a fuel tank located at a distance from the heater comprising a relatively long pipe connecting said tank and heater, a valve between said tank and pipe and adjacent the tank for controlling com-

munication between said tank and pipe, control means for opening and closing said valve, and an



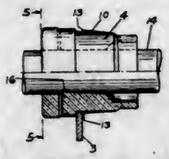
air inlet for said pipe controlled by said valve, said air inlet being above said pipe.

2,424,755
METHOD AND APPARATUS FOR BURNING SOLID FUELS
Raymond C. Johnson, Philadelphia, Pa., assignor, by mesne assignments, to Anthracite Equipment Corporation, New York, N. Y., a corporation of Delaware
Application September 8, 1944, Serial No. 553,193
9 Claims. (Cl. 110—32)



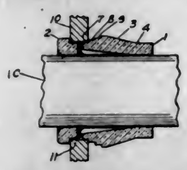
1. The method of burning solid fuel in aggregate form utilizing a furnace having a combustion chamber perimeter proportioned to cross-sectional area in a ratio of not substantially less than two to three and one half, comprising the steps of causing fuel aggregates to travel through such combustion chamber in a circumferentially engaged column, igniting a portion of the column, and inducing a flow of air counter to the aggregate travel to successively traverse the ignited and unignited portions of the column, whereby complete combustion takes place in the ignited portion by reason of the predetermined ratio.

2,424,756
STRAIN-RELIEF BUSHING
Ferdinand Klumpp, Jr., Union, N. J., assignor to Heyman Manufacturing Company, Kenilworth, N. J.
Application March 15, 1945, Serial No. 582,986
7 Claims. (Cl. 174—153)



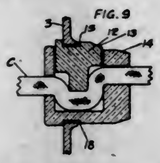
1. A strain-relief bushing of strong insulating material, the bushing having a complete circular collar portion and a portion preferably tapered extending from the collar to the opposite end, and a plurality of imperforate gripping fingers arcuately spaced around the bushing and having their bases near said opposite end of the bushing and extending up to the collar and into it, the fingers having a thickness greater than the wall of the bushing to the rear of the collar and normally projecting outwardly beyond the tapered surface of the bushing whereby when the bushing is pushed into a hole in a mounting plate, the fingers per se are forced into gripping relation with a conductor carrying the bushing and support the bushing independently of the tapered part of the bushing, the fingers having shoulders spaced from the collar for engaging a mounting plate on the side opposite to that engaged by the collar when the bushing is pushed into a hole in the mounting plate.

2,424,757
SELF-LOCKING BUSHING
Ferdinand Klumpp, Jr., Union, N. J.
Application June 6, 1945, Serial No. 597,906
6 Claims. (Cl. 174—153)



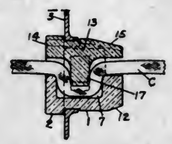
1. A self-locking integral bushing of suitable insulating material, the bushing having a body portion terminating at one end in a circular flange, the body portion having at least one exterior flat surface positioned between the flange and the opposite end of the bushing, the flat surface having a longitudinally positioned slot therethrough and an integral finger having its base in the body portion and extending toward the flange over said slot, the finger in idle positing extending above the body but adapted to be moved toward the axis of the bushing when the bushing is inserted into a hole in a plate and provided at its free end with a plurality of locking means for engaging plates of various thickness within limits on the opposite side from the flange when the bushing is pushed into place in a plate.

2,424,758
STRAIN-RELIEF BUSHING
Ferdinand Klumpp, Jr., Union, N. J., assignor to Heyman Manufacturing Company, Kenilworth, N. J.
Application June 14, 1945, Serial No. 599,494
9 Claims. (Cl. 174—153)



1. A strain relief bushing of strong insulating material for holding an electrical conductor in a mounting plate hole, comprising a body portion having a flange at one end only to engage a mounting plate on one side thereof, the bushing having a single transverse opening through its wall and extending beyond the central longitudinal axis of the bushing with a longitudinal passageway at each end of the body leading into said opening, a grip block slidably but non-rotatably fitting in said opening and having a groove on its outer surface so positioned that at least one side of the groove is in substantially the same plane with the inner edge of the flange, the block having a height such that when it is forced into a hole in a mounting plate, it will project well below the axes of said longitudinal passages and will be forced into strong gripping engagement with a conductor which may be inserted through said passageways.

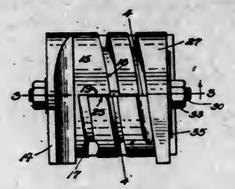
2,424,759
STRAIN-RELIEF BUSHING
Ferdinand Klumpp, Jr., Union, N. J., assignor to Heyman Manufacturing Company, Kenilworth, N. J.
Application March 2, 1946, Serial No. 651,548
7 Claims. (Cl. 174—153)



1. A strain relief bushing of strong insulating material for holding an electrical conductor in a suitable hole in a mounting member, comprising a body portion having a flange only at one end to engage the mounting member on one side thereof with a locking groove around its periphery longitudinally adjacent said flange, the body having a longitudinal channel therethrough with a single recess positioned below the channel and having walls at both ends of the body portion, the body having guide channels positioned on opposite sides of said longitudinal channel, a grip block adapted to be positioned in said longitudinal channel and having a single downwardly extending portion with an end formation to engage an electrical conductor and also having slide portions for engaging said oppositely positioned channels, said grip block having on its outer peripheral surface a groove, one side of which is in substantially the same plane as the inner edge of said body flange, the block having a height such that when it is forced into said hole in the mounting member with the body portion, it will be forced by the wall of said hole into strong gripping engagement with a conductor located in said longitudinal channel, both parts of the bushing having their ends opposite said flange tapering inwardly for the purpose described.

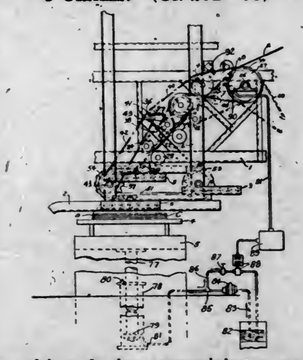
2,424,760
CABLE-GRIPPING MECHANISM
Charles R. Konkle, Columbus, Ohio, assignor to International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application July 10, 1945, Serial No. 604,140
6 Claims. (Cl. 24—135)

2. A cable clamp comprising coaxially aligned juxtaposed base, intermediate and outer clamping rings, said rings having helical adjoining side surfaces formed with registering cable-receiving grooves, means for moving said rings longitudinally with respect to each other to regulate the frictional clamping engagement exercised thereby on a cable positioned therebetween and occupying said grooves, and interengaging shoulder



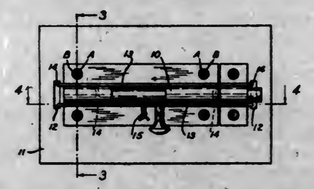
means formed on said rings for precluding relative rotation therebetween in one direction.

2,424,761
STACKING DEVICE
Roland I. Kuffler, Detroit, and Samuel M. Renfrew, Hazel Park, Mich.
Application May 3, 1944, Serial No. 533,990
5 Claims. (Cl. 271—76)



1. A stacking device comprising a conveyor including two spaced parallel endless chains each passing around a head sprocket and a tail sprocket, the axes of all the sprockets being horizontal, means for turning the head sprockets, a plurality of carriers each pivotally supported by and between both the chains whereby the carriers remain horizontal throughout the movement of the chains, said carriers each being adapted to receive a length of stock thereon when being transported by and between the upper strands of the chains, and means for discharging the stock from the carriers as each carrier is being transported by and between the lower strands of the chains.

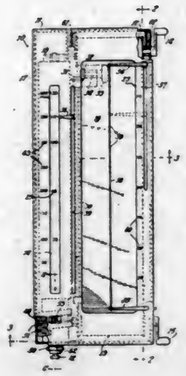
2,424,762
MERCHANDISE DISPLAY CARD
Moritz Loeb, New York, N. Y.
Application January 16, 1946, Serial No. 641,445
2 Claims. (Cl. 206—80)



2. In combination, a display card, an article of hardware flatly fitting against the front face of said card, said article having two rows of screw

receiving openings therein, fastening screws having their shanks freely passing through the respective openings with their heads interposed between the front face of the card and the rear of the article, said card having slots therein beyond the respective ends of the article, and a bendable wire form member overlying the front of the article between the rows of openings and having its ends extending through the slots and bent over the rear face of the card.

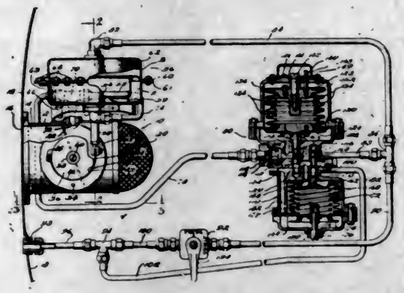
2,424,763
SPEED COMPUTING AND MAP READING DEVICE
Howard J. Marschak, Chicago, Ill.
Application February 15, 1945, Serial No. 578,015
5 Claims. (Cl. 235—87)



3. A speed computing device comprising a housing having a base line, a pair of spaced rollers mounted in said housing, a strip map having a starting point and mounted on said rollers for linear displacement to indicate in an exposed position opposite said base line a selected location, a wheel mounted for engagement with said strip map and driven thereby as it is displaced, a pointer driven by said wheel away from the base position, and a chart mounted adjacent said pointer and carrying a plurality of columns of numbers, the values of the numbers of each column being a function of their distance from said base position, and means to shift said chart to expose one or the other of said columns for registry with the path traversed by said pointer, the values of the numbers in the different columns representing the average velocities of an airplane flight between said starting point and said selected location for different time intervals, whereby average speed for a given flight may be indicated by shifting said chart so that that column is exposed which corresponds to the time interval consumed in flying from said starting point to said selected location.

2,424,764
CABIN PRESSURE CONTROL APPARATUS
William A. Marshall, Jr., Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 31, 1943, Serial No. 481,209
1 Claim. (Cl. 98—1.5)

In an apparatus for controlling the pressure in a supercharged cabin in an aircraft, in which there is a ventilating opening from the cabin to the atmosphere, the combination of an adjustable position valve forming the sole means for controlling the flow of air through said opening, a differentially positionable air motor operatively connected to said valve, said air motor having a diaphragm with one side subjected to the pressure in said cabin, and a pilot valve mechanism controlling the air pressure on the other side of said diaphragm, said mechanism comprising an isobaric pressure bellows, means forming a fluid conduit connection from said bellows to the cabin, proportioning valve means connected for operation by said isobaric bellows, means forming fluid conduit connections from said proportioning valve means to the atmosphere, to the cabin and to the other side of said diaphragm, said proportioning valve means being adapted upon movement to change the pressure

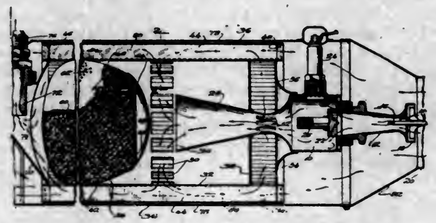


drop of the connection therethrough from said other side of said diaphragm to the atmosphere and simultaneously inversely to change the pressure drop of the connection therethrough from said other side of said diaphragm to the cabin, a second valve and a fluid conduit connection associated therewith between said other side of said diaphragm and the cabin and between the other side of said diaphragm and the atmosphere, a differential pressure bellows connected for operating said second valve, means forming a fluid conduit connection between the space on one side of said differential bellows and the atmosphere, and means forming a fluid conduit connection from the other side of said differential bellows to the cabin by way of said isobaric pressure operated valve at pressure altitudes of the order of 35,000 feet.

2,424,765
HOT-AIR HEATER HAVING MEANS TO RECIRCULATE COOLED GASES
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 6, 1942, Serial No. 460,971
3 Claims. (Cl. 126—116)

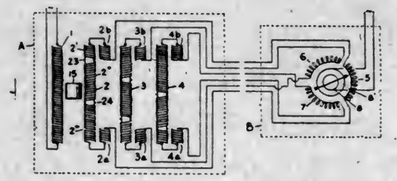
1. Heating apparatus of the class described, comprising a tubular heat exchanger, means forming a combustion chamber at one end thereof, a Venturi tube connected to one end of said combustion chamber and receiving hot products of combustion therefrom, said Venturi tube having an outlet communicating with the intermediate portion of said heat exchanger, said Venturi tube having a restricted throat provided with openings, means adapted by the suction effect of said Venturi tube to conduct a part of the gases

discharged by said Venturi tube backwardly through a portion of the heat exchanger and then to said openings to provide recirculation of cooled products of combustion and an admixture of such cooled products of combustion with fresh products of combustion discharged from said combustion chamber, for substantially cutting down



the temperature of said products of combustion prior to contact with the heat exchanger, and means for directing ventilating air forwardly in close contact first with the portion of the heat exchanger through which the gas flows backwardly and then with the remaining portion for heating the air and protecting the heat exchanger from burning out.

2,424,766
TELEMETRIC APPARATUS
Irving O. Miner, East Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application June 19, 1944, Serial No. 540,978
7 Claims. (Cl. 171—119)



1. A telemetric transmitter comprising a primary winding, a plurality of secondary windings each comprising portions wound in opposite directions and each having its points of reversal displaced with respect to those of the other, a shell of material substantially permeable to magnetic flux surrounding said primary and secondary windings, and an element of material substantially permeable to magnetic flux surrounded by said windings and movable in response to variations in a variable magnitude for directing flux from said primary winding to portions of said secondary windings.

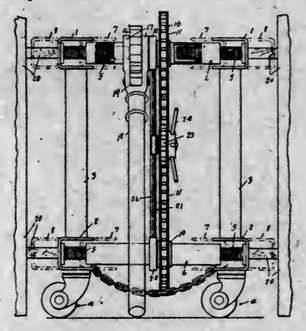
2,424,767
VETERINARIAN'S INSTRUMENT
Barney H. Moses, De Ridder, La.
Application May 17, 1946, Serial No. 670,333
1 Claim. (Cl. 128—356)

A veterinary instrument, comprising a plurality of interchangeable and attachable staff sections, each section having a male attaching portion at one end and a matching female attaching portion at the other, whereby any number of sections may be joined to constitute a staff of a desired length, and an operating instrument attached to one end of the staff, the said operating



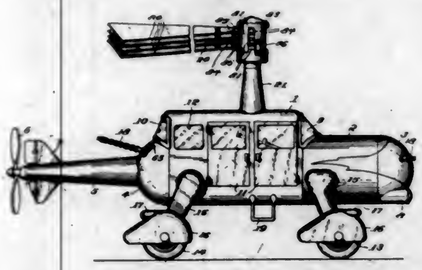
instrument consisting of a plurality of wire loops of different size and in fixed parallel planes.

2,424,768
CAR SQUEEZE
Peter Nalbandian, Fresno, Calif., assignor to Improved Carloading Company, Fresno, Calif., a co-partnership
Application June 18, 1945, Serial No. 600,200
3 Claims. (Cl. 105—369)



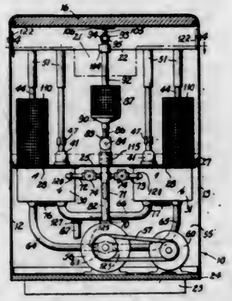
1. A car squeeze comprising an upper and a lower pair of horizontally extending parallel channel members, the members of each pair being horizontally spaced apart with their open sides facing each other, means supporting the members of the upper pair spaced from the members of the lower pair and directly over the latter members, screw means connecting the members of each pair actuatable for simultaneously moving the members of both pairs toward and away from each other, means connecting with said screw means for simultaneously actuating the same, said screw means including coaxial pairs of screws extending through the open sides of said members and secured to their bottoms, sleeves movable into and out of said open sides and extending between each pair of coaxial screws, said sleeves being provided with threads at their ends in threaded engagement with said screws.

2,424,769
HELICOPTER HAVING FOLDING ROTOR
Edward H. Page, Middleburgh, N. Y.
Application March 5, 1945, Serial No. 580,993
2 Claims. (Cl. 244—17)



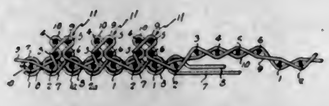
1. A folding rotor for a combined aircraft and ground vehicle having a fuselage, a standard projecting upwardly from said fuselage, a prime mover mounted in the fuselage, a hollow driving shaft extending through said standard and driven by said prime mover through a stub shaft and clutch, comprising a plurality of radial arms, means independently mounting them for rotation upon said driving shaft, a propeller blade rotatably mounted on each of said radial arms whereby said propeller blades may be either spaced equally about said driving shaft or be stacked into vertical alignment to lie one above the other, a cowl removably secured to said driving shaft and provided with a plurality of circumferentially spaced slots adapted to receive and fix said propeller blades in equal spaced angular position from each other in respective slots of said cowl to be driven thereby as a vertical lift propeller for sustaining said fuselage off the ground or in stacked vertical aligned position within a single slot, and latch means for releasably holding said cowl against rotating movement relative to the driving shaft when said blades are in stacked vertical aligned position.

2,424,770
DISHWASHING MACHINE
John Pedersen, Mexico, Mo.
Application March 4, 1943, Serial No. 478,019
7 Claims. (Cl. 134—186)



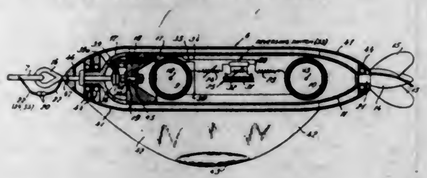
1. In a machine for washing dishes and the like, an enclosing structure, a partition separating the structure into an upper washing compartment and a lower mechanical compartment, a water container below said partition, a pump and pump-operating means in the mechanical compartment, a spray structure in the washing compartment, a conduit from the pump to the spray structure, means providing a port for establishing communication between the washing compartment and the water container and further means providing a port to establish a connection from the water container to the pump, a pair of aligned, reciprocally actuable valves coacting with the respective ports, a hollow reciprocally actuable element for operating one of said valves, and a second reciprocally actuable element for operating the other of said valves, extended through said hollow element, the valve operating elements being disposed substantially at one side of said washing compartment, and extending outwardly of said compartment to a position to facilitate manual access in a zone exterior to the enclosing structure.

2,424,771
WOVEN FABRIC AND METHOD OF MAKING THE SAME
Peter A. Preneta, Derby, Conn., assignor of one-third to Louis De Marco, Shelton, Conn.
Application October 13, 1945, Serial No. 622,160
7 Claims. (Cl. 139—384)



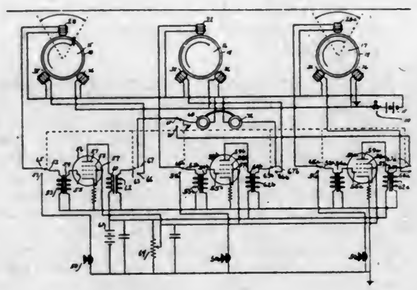
1. A woven fabric comprising a body weave and a series of ribs on one face thereof, the ribs each comprising four filling threads alternating with two filling threads in the body interwoven with warp threads, and the warp threads comprising body and alternate warps, the alternate warps being interwoven with both the body and rib filling threads while the body warps are interwoven with the body filling threads only.

2,424,772
SYSTEM FOR DETECTING MAGNETIC MASSES
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., a corporation of New York
Application July 13, 1943, Serial No. 494,472
3 Claims. (Cl. 177—385)



1. In an apparatus for indicating differentials of intensity in the magnetic field in a given region, a casing rotatable about a longitudinal axis, and means for rotating the same, a pair of similar coils spaced apart from each other and fixed within said casing and having their axes parallel to each other and transverse to the axis of said casing, and being connected together, a bridge circuit carried by and within said casing, of which said coils form two of the arms, and having two other arms, a third coil carried within said casing remotely and symmetrically spaced from said first mentioned coils and mounted with its axis at right angles to the axis of said first mentioned coils, and to the axis of said casing, said third coil being bridged across an adjustable portion of one of the arms of said bridge to adjust the phase displacement therein, a non-rotatable stem within said casing, and connections through said stem to diagonally opposite points on said bridge.

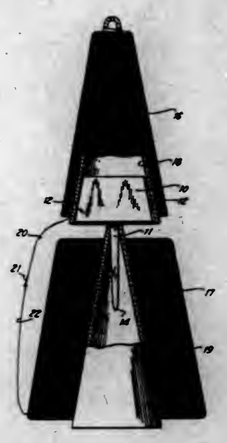
2,424,773
LOCATING DEVICE
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,035
17 Claims. (Cl. 177—352)



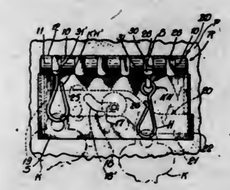
5. A device for locating the origin of a sound comprising a plurality of microphones arranged in a two dimensional pattern for receiving said sounds, and for each of said microphones a recording surface traveling at a constant rate, a recording magnet for recording on said surface, impulses from said microphone, and a play-back magnet actuatable by said record, said record surfaces being driven at the same speed, and at least all but one of said play-back magnets being movable each with regard to its recording magnet and means for causing said motion, sound reproducing means operable by said play-back magnets and means for evaluating the movement of said play-back magnets required to bring said reproduced sounds into unison in terms of origin of the sound impulses reaching the microphones, comprising a plurality of elements, at least all but one of said elements being each connected to one of said play-back magnet-moving-means constructed and arranged to move an amount proportional to the movement of its play-back magnet, said members having parts moving along parallel lines positioned in the same pattern as said microphones, and a plane surface tilting in accordance with the motion of said parts, and means for determining the direction of said tilting.

2,424,774
DOUBLE TIE ADAPTER FOR YARN
Louis Scharf and Albert Lamparelli, West New York, N. J.
Application August 29, 1945, Serial No. 613,364
1 Claim. (Cl. 242—130)

A cone or bobbin supporting device comprising a body having the shape of a truncated pyramid, with an opening passing therethrough from top to bottom, said opening being enlarged at the top to provide a shoulder, a spike projecting from the bottom of the body with a pointed outer end, said spike having a head at its inner end to engage the shoulder and filling material in said opening for said head.



2,424,775
KEY RETAINER
Samuel Segal, New York, N. Y., assignor to Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 15, 1946, Serial No. 662,266
15 Claims. (Cl. 70—456)

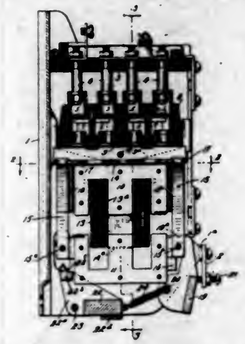


1. In a key retainer, a backing, a support, means for slidably guiding said support relative to said backing, an actuator interposed between said backing and said support and having a cam slot, and driven means projecting from said support and extending into said slot for displacing said support relative to said backing.

2,424,776
SHOCKPROOF ELECTROMAGNETIC DEVICE
George M. Stapleton, Sea Cliff, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Original application November 25, 1941, Serial No. 420,327. Divided and this application June 9, 1942, Serial No. 446,324
6 Claims. (Cl. 175—341)

1. An electromagnetic device having a magnetic element movable between different positions, a fixed support, and a restraining element pivoted on said support normally disengaged from said movable element, said restraining element being rotatable on its pivot independently of said

movable element under shocks for then engaging and restraining the movement of said movable



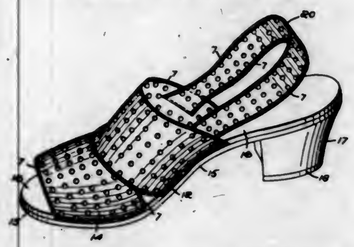
element when said movable element is in at least one of said positions.

2,424,777

LAMINATED ELASTIC MATERIAL FOR FOOTWEAR, METHOD OF MAKING SAME, AND IMPROVED FOOTWEAR MADE THEREBY

Ethan Allan Stuart, Wakefield, Mass., assignor to Haley Cate Company, Inc., Everett, Mass., a corporation of Massachusetts

Application June 5, 1945, Serial No. 597,644
2 Claims. (Cl. 154—116)



1. Shoe upper vamp material comprising a plurality of layers bonded throughout their length and width with permanently plastic adhesive, at least one of said layers being of textile material cut on the bias to permit stretchability, and all of said layers being bound on the edges by resilient synthetic plastic material to afford resiliency to the entire plurality of vamp layers.

2,424,778

COMPOSITION FOR AND METHOD OF WHITENING TEXTILES WITH A BLUE FLUORESCENT MATERIAL AND ULTRAMARINE

Peter Wright Tainsh, Spital, Bromborough, Wirral, England, assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application May 2, 1944, Serial No. 533,799. In Great Britain May 20, 1943
2 Claims. (Cl. 8—77)

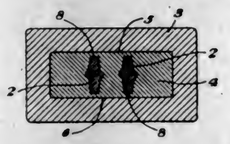
1. A process of improving the whiteness of normally white textile materials that are adapted for repeated laundering and which have acquired a yellowish or off-white tint, which comprises treating said materials following the laundering thereof by rinsing them in a solution of a blue fluorescent substance and ultramarine, the amounts of said blue fluorescent substance and ultramarine in the rinsing solution being sufficient to impart an apparent whiteness to the materials so treated that is superior to that obtainable when either the blue fluorescent substance or the ultramarine is used alone.

2,424,779

INGOT FOR AND METHOD OF MAKING COMPOSITE ARTICLES

Leyshon W. Townsend, Washington, Pa., assignor to Jessop Steel Company, Washington, Pa., a corporation of Pennsylvania

Application April 16, 1945, Serial No. 588,611
5 Claims. (Cl. 29—187.5)



1. An ingot for use in the manufacture of composite strips having a body of relatively soft metal and an edge of relatively hard metal, said ingot comprising at least one insert bar of relatively hard metal embedded in and completely enclosed by an envelope of relatively soft metal, each insert bar being solid and symmetrical in cross section and having a flat top and bottom, sloping sides diverging from both top and bottom toward but stopping short of the mid portion of the insert, the angle of slope of the sides being between 10 and 15°, and a projection on each side of the cross section connecting the adjacent ends of the sloping sides, each projection extending outwardly beyond the sloping sides a distance not less than $\frac{1}{32}$'' and not more than ½ the vertical distance between the adjacent ends of the sloping sides, the insert having a ratio of height to width between 1.5:1 and 3:1.

5. The method of making composite strips having a body of relatively soft metal and an edge of relatively hard metal, which comprises providing an ingot comprising at least one insert bar of relatively hard metal embedded in and completely enclosed by an envelope of relatively soft metal, each insert bar being solid and symmetrical in cross section and having a flat top and bottom, sloping sides diverging from both top and bottom toward but stopping short of the mid portion of the insert, the angle of slope of the sides being between 10 and 15°, and a projection on each side of the cross section connecting the adjacent ends of the sloping sides, each projection extending outwardly beyond the sloping sides a distance not less than $\frac{1}{32}$'' and not more than ½ the vertical distance between the adjacent ends of the sloping sides, the insert having a ratio of height to width between 1.5:1 and 3:1, reducing the thickness of the ingot to form a band and severing the band longitudinally through the insert bars.

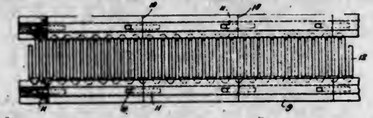
2,424,780

REFRACTORY SUPPORT FOR ELECTRIC RESISTORS

Harold E. Trent, Media, Pa., assignor to Trent, Inc., a corporation of Delaware

Application November 23, 1945, Serial No. 630,394
2 Claims. (Cl. 174—138)

1. A block for an electric resistor supporting structure, said block being of rectangular shape and having a channel in the opposite edges thereof and a centrally located pin receiving recess in each end, said recess being adapted to receive a dowel pin, at least one end of said block being beveled to present an end surface lying in a plane oblique to a plane containing the axes of the channels, each said block being symmetrical at



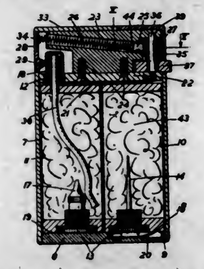
opposite sides of a central longitudinal plane perpendicular to said plane containing the axes of the channels, whereby said blocks may be used to form a straight or arcuate resistor supporting structure.

2,424,781

LIGHTER USING VAPORISABLE FLUIDS

Alexander Vanetzian, London, England

Application August 12, 1943, Serial No. 498,355
In Great Britain September 3, 1942
6 Claims. (Cl. 67—7.1)



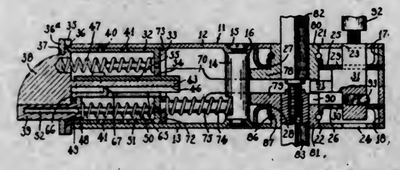
3. A spirit lighter comprising an outer shell with a flint and striker mechanism therein including a block, a striker wheel mounted by the block having means for guiding and supporting a flint in contact therewith, one end of said block being cut away, a part at the base of said block opposite the cut-away portion provided with an opening closer to one side of the shell than the other side, a closure pivoted to the shell adjacent said cut-away portion, said block having an opening therethrough, an expansive coil spring in said opening, the opening accommodating the spring throughout the major portion of its length, said spring functioning at opposite ends to press a flint against the striker wheel and to urge opening of the closure, means to secure the closure against opening, and an inner container within said shell having a wick tube accommodated in said opening and cut-away portion.

2,424,782

DOOR LOCK

Henry G. Voight and William S. Edwards, Hamden, Conn., assignors to Sargent & Company, New Haven, Conn., a corporation of Connecticut

Application January 18, 1945, Serial No. 573,339
12 Claims. (Cl. 292—169)



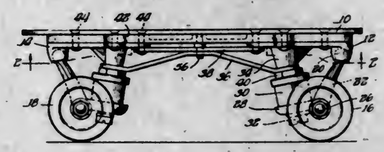
1. A door lock, a main case of tubular shape having bolt retracting mechanism therein, a cup-shaped bolt case detachably mounted in the forward end of the main case and having an opening in its rear end, the axes of said cases coinciding, a bolt mounted in the bolt case and having a stem projecting through said opening to be engaged by said retracting mechanism, and a dogging lever carried by the stem and also projecting through said opening for engagement by the retracting mechanism.

2,424,783

ROLLER SKATE REINFORCING PLATE

Robert R. Ware, Jr., Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Arizona

Application January 5, 1945, Serial No. 571,390
4 Claims. (Cl. 280—11.19)



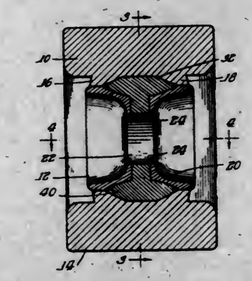
1. In a roller skate which includes a sole plate adapted to be secured to a shoe, brackets respectively secured to the ends of said sole plate, a plurality of rollers, means for supporting said rollers by said brackets in limited pivotal relation to said sole plate, a truss interconnecting said brackets and said supporting means, and connecting means extending between said truss and an intermediate portion of said sole plate, the combination therewith comprising an elongated reinforcing plate of substantial thickness disposed intermediate said sole plate and said brackets, said plate having solid end portions for backing said brackets and a ribbed intermediate portion above said truss, whereby said sole plate is both reinforced and elevated to increase the maneuverability of the skate.

2,424,784

WHEEL STRUCTURE

Robert R. Ware, Jr., Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Arizona

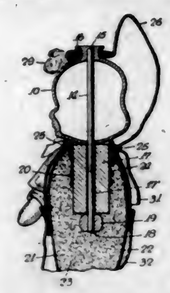
Application June 4, 1945, Serial No. 597,514
6 Claims. (Cl. 301—5.7)



1. A wheel comprising a body portion of a material subject to dimensional changes, a central metal bushing for said body portion, and means for securing the body portion and the bushing together against axial and rotational displacement comprising an annular ring of cast material extending into said bushing and said body portion

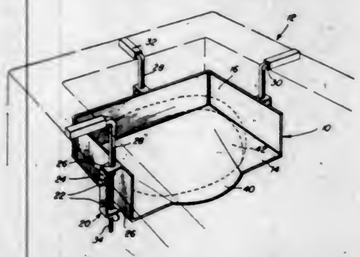
and having at least one integral portion projecting generally radially through said bushing and at least one portion of greater dimensions extending transversely into said body portion.

2,424,785
DOLL
Elsie Gilbert Winterfeld, New York, N. Y., assignor to Three-In-One Doll Corporation, New York, N. Y., a corporation of New York
Application December 15, 1945, Serial No. 635,329
7 Claims. (Cl. 46—151)



1. In a doll, a body containing stuffing material so as to provide a soft body, a bearing member in the upper portion of said body, said bearing member having an opening therein, a fabric sheet secured to the exterior of said bearing member, said stuffing being secured to said fabric sheet so as to prevent relative movement of said bearing member and said body, a shaft rotatably mounted in said opening in said bearing member, and a head fixed to the shaft for rotation therewith, said head having a plurality of different facial expressions.

2,424,786
BATHTUB HEADREST
Sydney C. Reagan, Sr., Arlington, Va.
Application February 28, 1946, Serial No. 650,941
9 Claims. (Cl. 4—185)

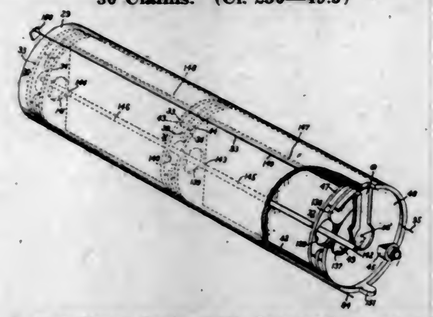


1. A bath tub head rest comprising a tray for the head of a bather, supporting means secured to said tray, rods slidably secured to said supporting means and engageable upon the rim of a bath tub for supporting said tray solely therefrom, adjusting means carried by said rods for carrying said supporting means and tray, locking means engageable with both said rods and said supporting means for preventing rotation of said rods relative to said supporting means, and cushioning means carried by said supporting means for preventing contact of said tray and supporting means with the side of a bath tub.

2,424,787
METHOD OF MAKING A PHENOL FORMALDEHYDE MOLDING COMPOSITION
William H. Adams, Jr., Newark, Del., assignor to Haveg Corporation, Newark, N. J., a corporation of Delaware
No Drawing. Application August 7, 1942, Serial No. 454,065
10 Claims. (Cl. 260—38)

1. The process of preparing a heat-convertible molding composition in the form of a coagulated plastic product capable of being directly molded under heat and pressure, from a heat-convertible one-stage phenol-formaldehyde resinous product which is syrupy at room temperature, contains water and other volatile material, and has a total volatile content of from 8% to 35% as determined by baking the resin in a shallow dish for twenty-four hours at 150° C., of which volatile content at least 6% and not more than 28% is water, based on the weight of said syrupy resin, which comprises mixing with said syrupy resin a dry oxide selected from the group consisting of alkali metal oxides and alkaline earth metal oxides in an amount between 1% and 15% based on the weight of said syrupy resin to impart coagulability to said syrupy resin; and allowing said mixture to react to form a coagulated plastic product containing substantially the same amount of volatile material as the said syrupy resin.

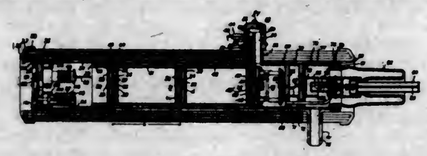
2,424,788
ELECTRON MICROSCOPE
Charles H. Bachman, Scotia, and Simon Ramo, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 1, 1942, Serial No. 467,530
30 Claims. (Cl. 250—49.5)



1. A unitary electrostatic lens system comprising a metallic cylinder and a plurality of spaced electrostatic lenses therein each including a pair of spaced apertured wafer-like disks closely fitted to the inner surface of said cylinder and an intermediate aperture wafer-like electrode electrically insulated from said cylinder and means for supporting said intermediate electrode and aligning the aperture therein with the aperture of said pair of disks comprising a disk-like insulator closely fitted to the inner surface of said cylinder.

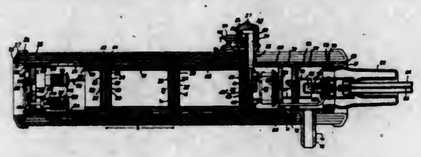
2,424,789
ELECTRON MICROSCOPE
Charles H. Bachman, Scotia, and Simon Ramo, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Original application December 1, 1942, Serial No. 467,530. Divided and this application January 26, 1944, Serial No. 519,772
6 Claims. (Cl. 250—49.5)

1. In an electron microscope, the combination including a horizontally disposed electron gun chamber, an electron lens system within said chamber, a cabinet for supporting said electron gun chamber and containing therein a power supply and evacuation equipment for said cham-



ber, a viewing aperture at one end of said chamber, and means within the vicinity of said aperture for adjusting the position of a specimen within said chamber for scanning and focussing purposes.

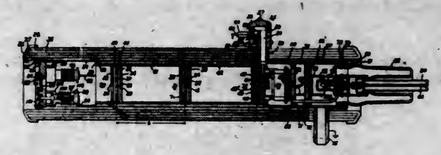
2,424,790
ELECTRON MICROSCOPE
Charles H. Bachman, Scotia, and Simon Ramo, Niskayuna, N. Y., assignors to General Electric Company, a corporation of New York
Original application December 1, 1942, Serial No. 467,530. Divided and this application January 26, 1944, Serial No. 519,773
19 Claims. (Cl. 250—49.5)



11. In a demountable cathode supporting structure for an electric discharge device including an evacuated chamber defined by a metallic cylinder, the combination including an annular ring seated on a shoulder of said cylinder at one end thereof, a vitreous re-entrant part sealed to said ring, a concentric line including an inner conductor and a tubular outer conductor terminated in a metallic base sealed to said vitreous part, a metallic thimble supported by said base, a connecting member supported by said base, a flexible connection between said connecting member and said inner conductor, a positionable support for said cathode, centering means for the cathode support comprising a metallic centering ring engaging an inner shoulder of said thimble and insulated from said support, spring biasing means for maintaining said centering ring in engagement with the associated shoulder thereby establishing the axial position of said cathode, and a second flexible connection between said connecting member and said centering means.

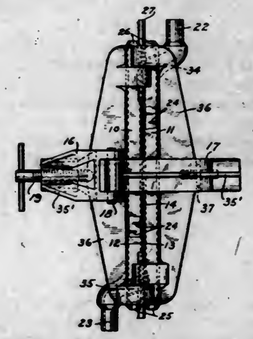
2,424,791
ELECTRON MICROSCOPE APPARATUS
Charles H. Bachman, Scotia, and Simon Ramo, Niskayuna, N. Y., assignors to General Electric Company, a corporation of New York
Original application December 1, 1942, Serial No. 467,530. Divided and this application January 26, 1944, Serial No. 519,774
19 Claims. (Cl. 250—49.5)

14. In an electron microscope including an evacuated chamber, an electron lens system, an electron gun and a viewing screen, the combination comprising a specimen carrier, evacuating means for said chamber, a specimen insertion chamber, sealing means for said insertion chamber, means for supplying preconditioned air to said first mentioned chamber to prevent the condensation of appreciable moisture upon the ele-



ments within said first mentioned chamber, and means for admitting the heated air prior to the opening of the insertion chamber.

2,424,792
COOLING APPARATUS
Albert J. Blum, Maplewood, N. J., assignor to Mt. Vernon Farm Dairy, Pittstown, N. J., a partnership comprising John F. Montgomery and Albert J. Blum
Application February 14, 1944, Serial No. 522,313
3 Claims. (Cl. 257—245)

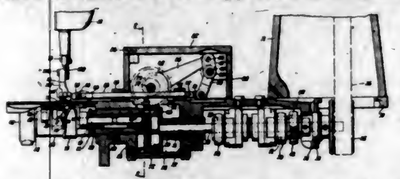


1. In a portable liquid cooling unit, a pair of swingably connected cooling plates each having an extensive plane surface facing the corresponding surface of the other plate and each being provided with an internal cooling chamber adjoining its said surface, a hinge pin swingably connecting the corresponding sides of said plates, a relatively thin flat grid interposed between said plates and having an elongated circuitous conduit therein enclosed by said surfaces, a removable clamp having two U-shaped sections each spanning one of said plates and detachably interconnected with each other on opposite sides of the plates, one of said clamp sections having its medial portion provided with an abutment coacting with the central outer portion of one of said plates and the other having an adjustable clamping element coacting with its medial portion and with the central outer portion of the other plate, means for conducting liquid to said conduit through one of said plates and from the conduit through the other plate, and means for effecting circulation of cooling medium through said chambers.

2,424,793
SEWING MACHINE
Fredric W. Breul, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 5, 1945, Serial No. 614,495
16 Claims. (Cl. 112—160)

1. In a sewing machine having a frame providing a work-support, in combination, a recipro-

catory needle, a rotary loop-taker complemental to said needle in the formation of stitches, work-feeding mechanism, a work-edge indenting element mounted for reciprocation crosswise of the line of seam formation in the region of the path of needle-reciprocation, a rotary actuating shaft disposed below said work-support, a driving mem-



ber carried by said shaft, means operatively connecting said driving member with said rotary loop-taker for rotating said loop-taker at a speed greater than that of said rotary shaft, and means operatively connecting said driving member with said work-edge indenting element for reciprocating the same.

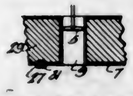
2,424,794

SURFACE HARDENING OF FERROUS METAL BY SELF-QUENCHING

George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 5, 1941, Serial No. 421,746

3 Claims. (Cl. 148—10)



3. The method of hardening relatively thin, high melting point ferrous metal which comprises backing said ferrous metal up with a second metal of relatively low melting point, then applying to the unbacked surface of said ferrous metal high frequency electrical energy by electromagnetic induction at a rate such as to substantially instantaneously heat only a layer thereof under said unbacked surface not substantially in excess of 0.020 inch to a hardening temperature intermediate said melting points, and finally causing said heated layer to be quenched rapidly by dissipating the heat in said layer throughout said second named metal.

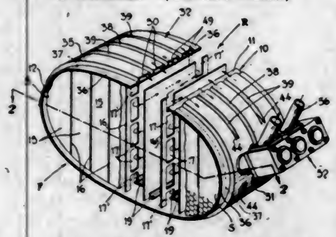
2,424,795

REENFORCED ELLIPTICAL OIL COOLER

Bruce Burns, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application January 15, 1943, Serial No. 472,462

2 Claims. (Cl. 257—128)



2. In a cooler of the class described, the combination of: an elliptical shell having an inlet and outlet for passing oil into and out of the interior of said shell; plates dividing the interior of said shell into a plurality of spaces and connected to the top and bottom of said shell to reenforce the same against deformation, said plates having in alternate order openings near the front and rear ends thereof connecting said spaces thereby to provide a continuous zigzag passage within the interior of said shell; tubes for a heat absorbing medium extending through said spaces from front to rear of said shell; and a reenforcing member surrounding said shell and forming a series of side by side warm up passages along the exterior of the shell, having portions spaced from the shell to form the outer walls of said passages and having other portions extended inwardly to the shell and welded thereto to form the side walls of said passages and provide reenforcing support to the shell.

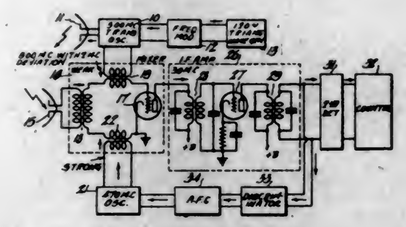
2,424,796

SUPERHETERODYNE RADIO ALTIMETER OR LOCATOR

Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 28, 1943, Serial No. 508,031

7 Claims. (Cl. 250—1.68)



1. In a radio locator system of the type utilizing reflected waves, transmitting means for transmitting a radio signal to a wave reflecting surface, means for receiving said signal after it has been reflected from said wave reflecting surface, means including a local heterodyne oscillator for heterodyning said reflected signal to an intermediate-frequency signal and for heterodyning a signal transmitted directly from the transmitter to an intermediate-frequency signal, amplifying means for amplifying said intermediate-frequency signals, a second detector to which the amplified intermediate-frequency signals are applied for producing a beat-frequency signal, a frequency discriminator to which at least one of said intermediate-frequency signals is applied, and an automatic-frequency-control means for said heterodyne oscillator to which means the output of said discriminator is applied for reducing the width of the frequency band occupied by said intermediate-frequency signals.

2,424,797

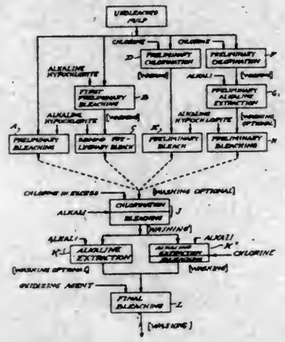
PROCESS FOR THE PURIFICATION OF CELLULOSIC MATERIAL

Ferri Casciani, Lewiston, N. Y., assignor to Niagara Alkali Company, Niagara Falls, N. Y.

Application December 18, 1943, Serial No. 514,804

7 Claims. (Cl. 8—105)

1. A process for the purification of cellulosic material in the form of a pulp in water suspension, which comprises the steps of: preliminarily bleaching the pulp to a brightness substantially lower that that desired in the final product by contacting the pulp with a hypochlorite solution; washing the pulp with water; adding to the pulp chlorine substantially in excess of the amount required for complete chlorination of residual liqueous material; reacting on the impurities in the pulp with a part of said chlorine for a period



of time not materially in excess of approximately ten minutes; adding sufficient alkaline reagent to the reaction mixture to obtain a pH above 7 in the pulp; allowing the hypochlorite solution thus formed to react with the impurities in the pulp; and washing the pulp with water to remove soluble reaction products.

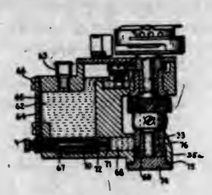
2,424,798

SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application May 12, 1942, Serial No. 442,709

1 Claim. (Cl. 112—256)



In a sewing machine having a frame member with a horizontally disposed work support, a vertical axis hook beneath said work support, said hook having rotary and non-rotary components with a raceway therebetween, a hollow shaft connected with said rotary component and extending downwardly therefrom, an auxiliary frame carrying said shaft, main and auxiliary lubricant reservoirs in said auxiliary frame with a passage connecting the same, said auxiliary reservoir extending beneath and receiving the lower end of said shaft, wicking in the bore of said hollow shaft adapted to elevate lubricant from said auxiliary reservoir to a point adjacent said hook for delivery by centrifugal action to said raceway, valve means cooperating with said passage for regulating the flow of lubricant from said main reservoir to said auxiliary reservoir, said valve means being capable of completely stopping said flow of lubricant, and a removable closure member for said auxiliary reservoir providing access to the lower end of said shaft for removal and replacement of said wicking.

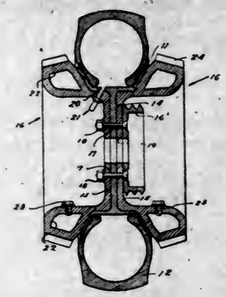
2,424,799

TRACTION-INCREASING WHEEL

Tullio Colombo, Milan, Italy

Application April 9, 1945, Serial No. 587,325

1 Claim. (Cl. 301—41)



In a tractive wheel for vehicles, the combination of a flange, a rim carried by said flange, a pneumatic tire carried by said rim, a valved stem secured to said tire, a brake drum, and a pair of oppositely disposed flanged auxiliary tread members secured to opposite sides of said first-mentioned flange, said auxiliary tread members being shaped to intimately embrace the flange and rim, said auxiliary tread members being provided with recesses therein adapted to contain material to add weight and hence tractive effect to the wheel, said recesses comprising peripheral channels having inlets opening toward the axis of rotation of the auxiliary tread members and closure means for said inlets, said valved stem extending through said rim and through one of said auxiliary tread members, and common holding means securing said rim and both said auxiliary tread members to said brake drum.

2,424,800

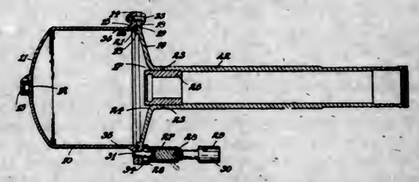
CYLINDER CONSTRUCTION

Robert Henry Coverley and David Dundas Arnott, Gloucester, England, assignors to Rotol Limited, a British company

Application September 25, 1942, Serial No. 459,686

In Great Britain June 20, 1941

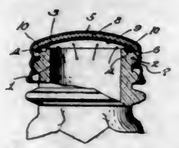
10 Claims. (Cl. 309—2)



10. A device of the kind described comprising a cylinder having a cylindrical wall with an outwardly domed outer end formed in one piece with the cylinder wall, said cylinder wall and domed end both being of light weight and strong construction, said cylinder wall having an outturned flange at its inner open end with a short conical portion between such flange and the cylinder end, a removable cover for the inner end of the cylinder having a flange to mate with the cylinder flange, a pair of annular spaced ridges on the interior of the cover adjacent the cover flange, such annular ridges being substantially V-shaped in cross section and providing one wall at right angles to said short conical portion of the cylinder and a second wall in parallel spaced relation from said short conical portion, said short coni-

cal portion and said two walls of the annular ridges forming an annular packing space substantially rectangular in cross section with its side walls diagonal to the axis of the cylinder, said space being open toward said cylinder, and a hydraulic cup packing in said annular space with its open side toward the open portion of the space to communicate with internal cylinder pressure.

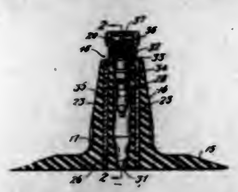
2,424,801
CLOSURE MEANS FOR CONTAINERS
Lindsay T. Crabbe, Chicago, Ill., and Donald C. Lathrop, Los Angeles, Calif., assignors to Phoenix Metal Cap Company, Chicago, Ill., a corporation of New York
Application March 11, 1946, Serial No. 653,450
1 Claim. (Cl. 215—43)



The combination of a container having a neck terminating in a mouth surrounded by a lip having a flat sealing face, the outer portion of said flat sealing face having a shallow recess formed therein extending circumferentially of said lip and having substantially parallel end walls, said recess at the inner side thereof terminating at a uniform distance from the inner edge of the lip so as to provide a continuous flat sealing surface at the inner portion of the lip, a cap having a dome-shaped top and a depending skirt at the outer edge of said dome, said skirt and said neck having cooperating devices whereby the cap may be secured to the container, a sealing gasket extending across the mouth of the container and overlying and extending beyond said lip whereby the dome of the cap will contact with the gasket only in the region directly over the outer portion of said lip under normal sealing condition, the inner line of said region being directly over said recess, said gasket being preformed so that, when the cap is initially secured to the container, said gasket from said region of contact at one side of the mouth of the container to the other will be out of contact with the dome and will under the pressure of the cap make sealing contact with the flat face of the lip throughout the entire extent thereof, said gasket being adapted to flex outwardly against the dome under excessive internal pressure so that the gasket is lifted from contact with the flat inner portion of the lip uncovering the inner portion of the recess so as to permit the gases within the container to pass between the gasket and the lip and escape through said recess.

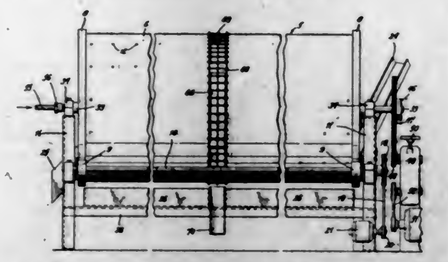
2,424,802
RUBBER VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 28, 1942, Serial No. 432,863
5 Claims. (Cl. 152—430)

5. A valve stem comprising a molded rubber base and a rubber stem proper extending therefrom, and a rigid valve retaining insert including a tubular portion extending outwardly from the free end of the stem proper and an elongated skirt extending from the tubular portion within the stem proper to said base, said tubular portion being provided with internal screw threads to enable a conventional removable valve core to be screwed into the stem and retained therein, said skirt being provided with slots extending longitudinally thereof from said tubular portion to the free end of the skirt, said stem proper being molded around and embedding said skirt with the material of the stem proper extending through said slots and located interiorly and exteriorly of the skirt throughout the length of the skirt, the material within the skirt forming a continuous seamless lining for the skirt and providing a bore through the skirt communicating with said tubular portion and adapted to



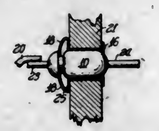
communicate with the inflatable article to which the valve stem base is to be secured, the material within the skirt being so disposed as to provide a constriction in said bore so located relative to said tubular portion that the barrel of the removable valve core which is screwed into said tubular portion will have sealing engagement with the constriction while the valve seat and valve of the core will be located a substantial distance inwardly of the constriction and within said lining thus presenting no seams or joints for the leakage of air between the rubber stem and the insert inwardly of the sealing engagement between the core, barrel and said constriction.

2,424,803
HORIZONTAL ROTARY ABRADING DRUM FOR PEELING FRUIT AND VEGETABLES
William de Back, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,132
4 Claims. (Cl. 146—49)



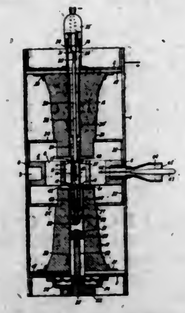
1. Apparatus for peeling the bodies of fruit and vegetables, comprising a horizontally disposed cylinder, means providing an abrasive surface on the interior of said cylinder, means rotating said cylinder in one direction, a helical conveyer arranged coaxially within said cylinder with the outer edges of its convolutions arranged in close proximity to said abrasive surface, a plurality of bars connecting the outer edges of the convolutions of said helical conveyer and extending axially thereof, means rotating said helical conveyer in a direction opposite to the direction of rotation of said cylinder to move said bars along said abrasive surface under the bodies supported thereon and in a direction opposite to the direction of rotation of said abrasive surface, means for admitting the bodies to be peeled into the end of said cylinder at the leading end of said helical conveyer and means for discharging the peeled bodies from the opposite end of said cylinder.

2,424,804
PASS-THROUGH INSULATOR
Jan de Swart, Los Angeles, Calif., assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application March 23, 1946, Serial No. 656,590
5 Claims. (Cl. 174—153)



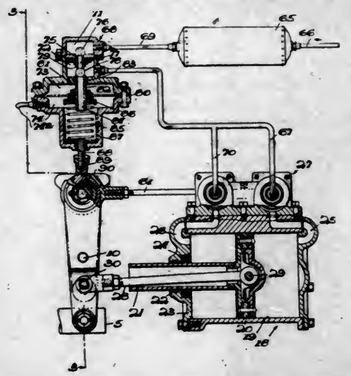
3. An electrical pass-through comprising a rod-like metal core, a plastic insulator surrounding said core and provided with a circumferential groove intermediate its ends, a tubular sleeve surrounding said insulator and having inwardly directed deformable fingers on one end extending into said groove, an outwardly directed abutment on the other end of said sleeve, whereby when said pass-through is inserted in an apertured partition and said insulator is moved axially toward the abutment end of said sleeve said fingers will be deformed to form with said outwardly directed abutment cooperating abutment members for engaging opposite sides of said partition and securing said pass-through in the aperture in the same.

2,424,805
HIGH-FREQUENCY MAGNETRON
Kenneth C. De Walt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 13, 1942, Serial No. 465,439
13 Claims. (Cl. 250—27.5)



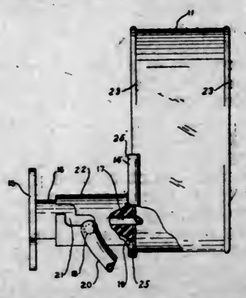
12. An electric discharge device of the magnetron type comprising a plurality of cooperating electrodes including a resonant anode structure, a magnetic pole piece juxtaposed to said anode structure and having therein a longitudinal channel, an adjustable tuning member positioned between said pole piece and said anode structure, and means supporting and adjustably positioning said tuning member comprising an adjustable supporting member positioned within the channel of said pole piece.

2,424,806
FLUID PRESSURE CONTROL MECHANISM FOR VEHICLE STEERING GEAR
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application October 21, 1943, Serial No. 507,205
12 Claims. (Cl. 180—79.2)



3. The combination with a power steering gear for vehicles having a power operated member for steering the vehicle, a fluid actuator for said member, a manually operable member connected with said power operated member and adapted for limited movement relative thereto, and means including valve mechanism responsive to relative movement of said members for controlling the supply of fluid pressure to said actuator, of means for controlling the pressure of fluid supplied to said valve mechanism including a valve for supplying fluid pressure to said valve mechanism, and means including a cam carried by one of said members for operating said valve for varying the pressure of fluid supplied to said valve mechanism in accordance with the movement of said one member.

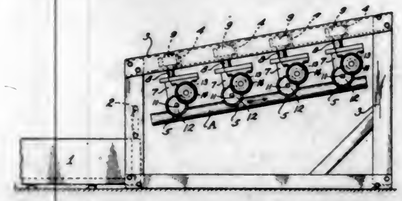
2,424,807
PIERCING DEVICE FOR FILLING BATTERIES
George E. Eckman, Oradell, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 13, 1944, Serial No. 553,862
7 Claims. (Cl. 226—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A piercing implement for a container holding a battery therein comprising, a piercing member mountable on said container and including a stem thereon, said stem having a passage therethrough, an intake pipe attached to said stem on

one end of said passage, said pipe being arranged for the attachment of a filling tube thereon, a piercing pipe for piercing and connecting the interior of said container on which said stem is mounted at the other end of said passage, and means for attaching said member to a container and holding same securely thereon having a slot therein for the insertion of said intake pipe to lock thereon and force the piercing pipe into the container.

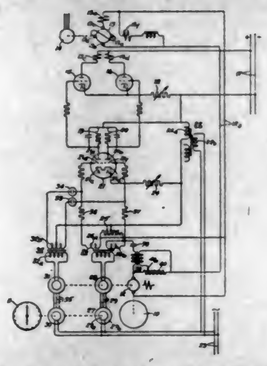
2,424,808
GALVANIZING APPARATUS
Merril L. Eckman, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application June 9, 1944, Serial No. 539,407
1 Claim. (Cl. 91—12.5)



In galvanizing apparatus including a tank for molten galvanizing metal and a ring to discharge gas under pressure against the outer surface of a tubular magnetic article as it is moved endwise therethrough from the tank, the combination of a frame adjacent to said tank, roll housings, magnectic rollers, each housing carrying one of said rollers and the rollers being disposed in an inclined plane extending upwardly from said ring, said rollers being positioned to engage with the upper surface of said article and energized to attract said article thereto, adjustable means suspending said housings from said frame and positioning the longitudinal axes of said rollers at acute angles to the longitudinal axis of the article, and separate motors carried by each of said housings, each motor being operatively connected to the roller of its housing to rotate said roller.

2,424,809
SELSYN CONTROLLED ELECTRIC MOTOR SYSTEM
Martin A. Edwards, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 17, 1940, Serial No. 361,599
6 Claims. (Cl. 172—239)

1. A follow-up control system for a pilot device and driven object comprising in combination, driving means for said object, means for controlling said driving means comprising an electric valve provided with a control grid, coarse and fine control means responsive to positional disagreement of said pilot device and driven object for producing control voltages dependent on the positional disagreement of said pilot device and driven object, electrical connections from each of said control means to said grid, electric valve means having main discharge supporting anodes and cathodes included serially in the connections between said coarse control means and said grid, and responsive to a predetermined value of said control voltage of said coarse control means for conducting current from said coarse control means through the circuit of the connections of said fine control means thereby to render said fine control means ineffective and said coarse control means effective and responsive to values of said control voltage of said coarse control means less than said predetermined value for interrupting the supply of current from said



coarse control means to the circuit of said fine control means thereby to transfer control from one of said control means to the other in accordance with the magnitude of said positional disagreement.

2,424,810
HOUSING AND CONVEYOR CONNECTIONS FOR SCREW CONVEYORS
Edward P. Escher, Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application August 11, 1944, Serial No. 549,004
2 Claims. (Cl. 198—213)

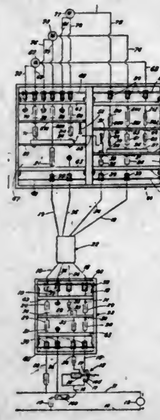


1. A coupling and bearing unit for the ends of sectional screw conveyor apparatus, comprising a bearing stand having a base or supporting standard and a sectional housing structure having semicylindrical mouth portions for fitting telescopingly over the end of a cylindrical conveyor tube and adapted to be contracted into clamping engagement therewith, bearing means within said housing structure for corresponding portions of the screw conveyor, and means for removably securing and drawing together the sections of said housing structure and thereby clamping said end of the conveyor tube within said semicylindrical mouth portions of the housing structure.

2,424,811
HOMOGENEOUS FLAKED CATALYST COMPOSITION AND ITS PREPARATION
Meyer L. Freed, Ansonia, Conn., assignor to The Seymour Manufacturing Co., Seymour, Conn.
No Drawing. Application June 16, 1941, Serial No. 398,303
4 Claims. (Cl. 252—245)

1. The method of preparing a solid catalytically active composition in flake form which is of uniformly homogeneous character with respect to the dispersion therein of the ingredients thereof and comprises nickel in catalytically active state dispersed in a solidified oil selected from the group consisting of vegetable oils, animal oils, and mixtures thereof, which method comprises continuously distributing a liquid suspension comprising said nickel in catalytically active state homogeneously dispersed in said oil in liquid state, over the rotating surface of a chilled drum to harden the composition and removing the hardened composition from said surface thereby breaking the hardened composition into flakes.

2,424,812
SAFETY POWER EXTENSION AND JUNCTION BOX
Clyde O. Gallaher, Beckley, W. Va., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio, a corporation of Ohio
Application August 5, 1943, Serial No. 497,539
7 Claims. (Cl. 171—97)



1. A portable safety electric power extension system comprising a plurality of positive and negative power cable sections, slip connectors on opposite ends of said sections, metallic connection boxes having closable covers, fixed connectors in said boxes for removably receiving the slip connectors of the power cable sections and electrically connecting adjacent ends of certain of said cable sections in predetermined order, a self-opening pilot switch in each box closable by the cover of said box, pilot line sections removably connected at opposite sides of each pilot switch, safety ground line sections comprising removable grounded connections interiorly of said boxes and a solenoid actuated contactor switch disposed intermediate a source of direct current supply and the first of the connection boxes, the switch being connected in series in the positive power line of the power circuit and the pilot line being connected with the switch closing coil of the contactor switch whereby the switch is opened and the power circuit of the system is deenergized upon opening of the cover of any of the connection boxes.

2,424,813
CAUSTIC RESISTANT COATINGS
Paul J. Gegner, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 27, 1944, Serial No. 560,713
2 Claims. (Cl. 117—75)

1. A method of providing a metallic container with a liner which is resistant to the corrosive action of 73 per cent caustic at 275° F., which method comprises applying a primer coating of chlorinated polychloroprene containing from 60 to 62 percent of chlorine and having admixed therewith approximately 5 percent by weight of zinc oxide, applying a plurality of coatings of compounded polychloroprene latex over the primer coating, air-drying the composite film so formed and thereafter vulcanizing the several elements of the film under 73 percent caustic at 240° F.

2,424,814
CONJOINT POLYMERIZATION PRODUCT OF DICARBOXYLIC COMPOUNDS AND VINYLIC COMPOUNDS
Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Original application August 15, 1941, Serial No. 407,010, now Patent No. 2,392,139, dated January 1, 1946. Divided and this application March 30, 1944, Serial No. 528,730
2 Claims. (Cl. 260—36)

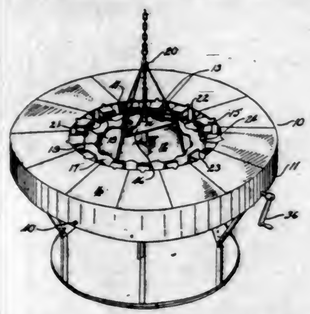
1. A method of preparing a hard, plasticized styrene-maleic anhydride body, which method comprises placing a mixture of about 25 parts of maleic anhydride and 30 parts of styrene together with about 30 parts of a plasticizer from the class consisting of methyl levulinate, acetophenone, diacetone alcohol and mesityl oxide in a mold of desired configuration and polymerizing the styrene and maleic anhydride to form the resin as a body containing the plasticizer imbibed therein.

2,424,815
HAIR CURLER
Leona H. Grant, Highland Park, Mich.
Application October 5, 1945, Serial No. 620,477
5 Claims. (Cl. 132—33)



3. A hair curler comprising an elongated shank adapted to be pressed endwise at one end against the head of a person and to have a tress of hair curled about a substantial linear portion at such end, a shoulder at the inner end of such linear portion, a sleeve turnable on the shank and engageable with said shoulder so as to limit axial movement of the sleeve towards said end of the shank, and a hook element on the sleeve having a leg and return hook end disposed axially over said linear shank portion with the hook end directed towards the other end of the shank and with the leg of the hook disposed in substantially uniformly spaced relation with respect to the linear shank portion, said hook being adapted to engage a tress of hair and to wind it about the exposed shank portion when the sleeve is turned on the shank, the space between the leg of the hook and shank portion being adapted to hold the curls against such shank portion.

2,424,816
APPARATUS FOR INDUCTION HEATING OF GEARS AND LIKE OBJECTS
Fredrick J. Groven, Highland Park, and William F. Pioch, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 16, 1943, Serial No. 490,970
6 Claims. (Cl. 219—13)



1. In an apparatus for the selective induction heating of separate circumferentially disposed portions of metal articles, a support for the article to be heated, a continuous induction coil arranged to lie circumferentially adjacent said separate portions of the work to be heated, and a plurality of individual flux concentrating means arranged to surround partially said coil and said separate portions to restrict the heating effect of said coil to said separate portions.

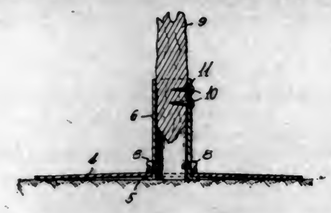
2,424,817
COMPACT OR VANITY
Louis Grassi, Los Angeles, Calif.
Application March 24, 1945, Serial No. 584,548
2 Claims. (Cl. 132—83)



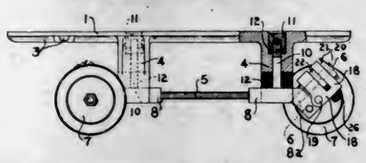
1. A vanity case, including two members, one of which acts as a cover and the other of which acts as a container for powder, a sifter within the container through which the powder passes, an annular ring in pressed-fit engagement with the container for holding the sifter in working relationship to the container, said annular ring provided with an annular convex bead, a second annular ring in pressed-fit engagement with the cover, the said second annular ring formed with an annular groove, a mirror within said cover and held in position by said second annular ring; the said annular bead adapted to enter the annular groove when the cover is closed to the container to act as a seal against escape of powder from said case.

2,424,818
CHRISTMAS TREE STAND
August W. Gustafson, Corpus Christi, Tex.
Application February 14, 1946, Serial No. 647,476
2 Claims. (Cl. 248—44)

2. A device of the character described, comprising a disk of rigid sheet metal provided with a centrally disposed aperture, a tubular upright extending through the aperture and having a basal flange engaging the bottom of the disk, and screws having threaded engagement with the upright near the lower end of the same and clamping the disk against the flange, and means for detachably securing an inserted object in the upright.

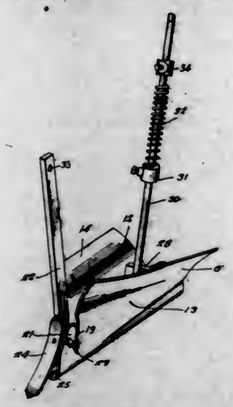


2,424,819
ROLLER AND OTHER SKATES
Stanley Guttridge, Wanstead, London, England
Application September 5, 1945, Serial No. 614,455
In Great Britain September 20, 1944
4 Claims. (Cl. 280—7.13)



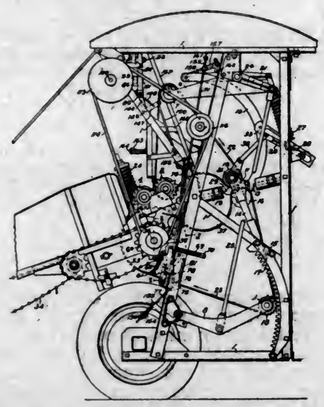
3. A skate comprising a skate plate with means for attaching it to the user's footwear, a longitudinally disposed chassis with means for detachably securing it beneath the skate plate and road engaging wheel bogies at each end of the chassis, an inclined steering pin on which each bogie is mounted for dirigible movement and a steering damper comprising a damper plate engaging in a slot in the bogie housing and slotted to engage a flat on the steering pin, spring means to engage the outer ends of the damper plate and means to adjust the resilient pressure on the damper plate.

2,424,820
IRRIGATION DITCH PLOW
Hugh M. Hall, White Swan, Wash.
Application December 27, 1944, Serial No. 569,958
4 Claims. (Cl. 37—98)



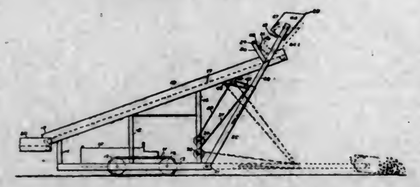
4. In a device of the nature described comprising a tube open throughout, wings of the length of the tube with cut-outs in the forward ends providing vertical bearing members, a beam clamped between said members, and a plow shovel attached to the beam.

2,424,821
BALING MACHINE
Paul H. Harrer, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 28, 1944, Serial No. 524,190
19 Claims. (Cl. 100—1)



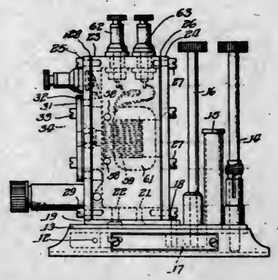
1. In a machine embodying a bale forming means positionable to roll material delivered thereto into a formed cylindrical bale of predetermined diameter and positionable to discharge the formed bale from the machine, a conveyor for delivering material to said bale forming means, and means operative to move said bale forming means to its bale discharging position and to return same to its initial bale starting position, means for driving and controlling said conveyor comprising a normally rotating shaft, a pair of elements mounted for rotation relative to each other and relative to said shaft, a positive driving connection between one of said elements and said conveyor, means carried by said shaft for rotation therewith in continuous engagement with both of said elements, and means including a part responsive to the return of the bale forming means to its initial bale starting position for controlling rotation of the other one of said elements in a predetermined direction.

2,424,822
EXCAVATOR
Elvin C. Hartley, Portland, Oreg.
Application April 7, 1945, Serial No. 587,131
4 Claims. (Cl. 214—91)



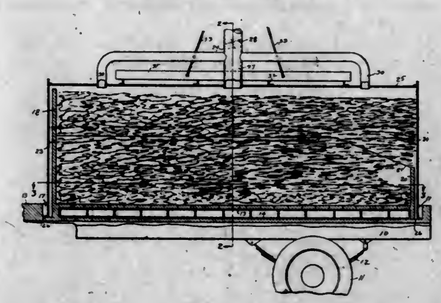
1. In an excavator, the combination of a land travelling vehicle having a telescopic boom at one end thereof and having a tiltable excavator bucket mounted on the outer edge of said boom, said bucket having a trip gate at its rearmost end, a conveyor disposed over said vehicle in the plane of movement of said boom, means for raising and lowering said boom in the plane of said conveyor, and means for extending said telescopic boom in a manner to move said bucket away from said land travelling vehicle.

2,424,823
GALVANOMETER MOVEMENT MOUNTING
Claude M. Hathaway, Denver, Colo., assignor to Hathaway Instrument Company, a corporation of Colorado
Application September 25, 1944, Serial No. 555,685
5 Claims. (Cl. 171—95)



1. A cell for a watt galvanometer comprising a body formed of two similar recessed blocks of metal, a front cover and a back cover for said body, said recessed blocks of metal being assembled with the recesses in opposition to each other so that the body has a recess extending from the back of the body to a plane adjacent the front of the body, said recess being interconnected with the front of the body by a narrow elongated opening having adjacent the central portion thereof arcuate recesses for receiving a cylindrical member to be mounted on said front cover.

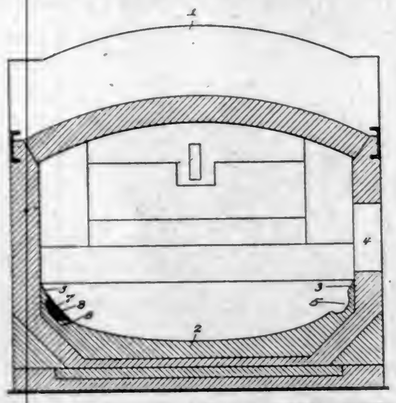
2,424,824
VEHICLE-MOUNTED DISTILLATION APPARATUS FOR PEPPERMINT HAY
Carl E. Hermo, Quincy, and William H. Haupert, Portland, Oreg.
Application February 7, 1944, Serial No. 521,362
1 Claim. (Cl. 202—83)



In an apparatus of the class described, the combination of a land traveling vehicle having a flat deck provided with a water containing moat disposed around the periphery thereof, the inner edges of said moat having upright walls

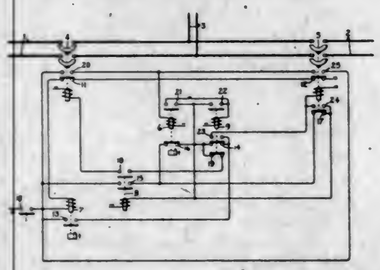
formed thereon and a dome removably placed over said vehicle in a manner to enclose said walls and having its lower edge extending into said moat, together with means for supplying steam to the underside of the vehicle deck and for exhausting volatiles from the top of said dome.

2,424,825
METHOD OF REPAIRING OPEN HEARTH FURNACE BANKS
Charles A. Hogan, Chicago Heights, Ill.
Application January 16, 1945, Serial No. 573,071
3 Claims. (Cl. 25—155.5)



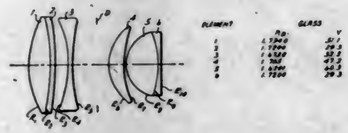
3. The method of restoring worn away portions of open hearth furnace banks, to normal usable condition which consists in placing discrete refractory repair material in the cavities in the bank, covering said material with a thin layer of slag directly after a heat, and fusing the slag, permitting it to trickle into said material, whereby to bond said material together, adding additional refractory repair material to fill the cavities and covering the same with slag, and fusing the added slag whereby to bond the refractory repair materials together.

2,424,826
SEQUENTIAL ELECTRIC SWITCHING SYSTEM
Frederick R. Jackson, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 20, 1945, Serial No. 600,602
5 Claims. (Cl. 175—375)



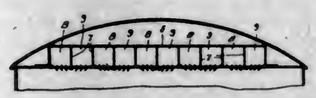
1. In combination, two switches, a timing device, means for effecting a timing operation of said timing device in response to both of said switches being simultaneously open, a second timing device, means for effecting a timing operation of said second timing device in response to either of said switches being closed, and means jointly controlled by said timing devices for effecting the alternate closing of said switches in response to successive timing operations of said first mentioned timing device and for effecting the alternate opening of said switches in response to successive timing operations of said second timing device.

2,424,827
EXTREME APERTURE OBJECTIVE
Edward K. Kaprelian, Alexandria, Va.
Application June 18, 1945, Serial No. 599,975
12 Claims. (Cl. 88—57)



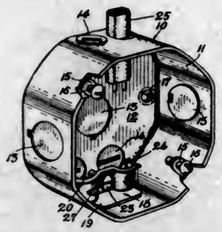
1. In an extreme aperture objective of the Petzval type, front and rear semi-achromatic doublets having their most strongly curved faces toward the incident light and having a separation between 1.0 and 1.2 times the focal length of the objective, a negative correcting lens spaced rearwardly of the front doublet a distance between 0.35 and 0.65 of the focal length of the objective and receiving light therefrom, a positive member between said negative correcting lens and said rear doublet and spaced from the doublet by a space between zero and 0.10 of the focal length of the objective and acting to converge light received from said negative correcting lens.

2,424,828
AIR MIXING AND DISTRIBUTING DUCT FOR AIR CONDITIONING SYSTEMS
Charles R. Keep, Norwood, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application August 19, 1944, Serial No. 550,141
4 Claims. (Cl. 98—10)



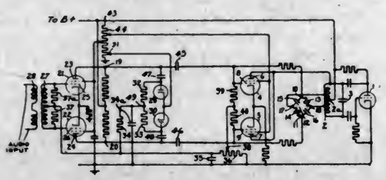
1. An air conditioning system comprising means forming a pair of adjacent, aligned air passages overhead the space to be served with conditioned air, means for supplying chilled air, under pressure into one of said passages, means for supplying air recirculated from said space, under pressure, into the other of said passages, one of said passages having a wall aligned in a common plane with a wall of the other of said passages, said walls having spaced apertures formed therein, the apertures in said walls having axes intersecting outside said passages whereby the air from said passages is directed into converging streams outside same, said apertures having areas substantially less than the areas of the spaces between same whereby substantial air pressures can be built up in said passages.

2,424,829
CABLE CLAMP
Arthur P. Keierleber, Aurora, Ill., assignor to All-Steel-Equip Company, a corporation of Illinois
Application November 26, 1945, Serial No. 630,804
2 Claims. (Cl. 285—24.5)



1. A cable clamp for use with an outlet box or the like, comprising a single sheet of metal having an outwardly extending wall portion adapted to bear against a side wall of said box, a cable gripping portion at right angles to the wall portion having a plurality of concave depresssions therein to receive a cable and clamp it to the box, and legs flanking such depressions in the cable gripping portion and bent from one of said portions toward the floor of the box but making other than a right angle with respect thereto whereby when the clamp is forced toward the floor to grip a cable to the box the bottom of the legs slide along the floor of the box, causing the legs to bend and change their angle of inclination with respect to the floor of the box.

2,424,830
FREQUENCY MODULATION
Edwin W. Kenefake, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 30, 1944, Serial No. 538,026
2 Claims. (Cl. 179—171.5)



1. The combination, in a frequency modulation transmitter, of a source of carrier wave oscillations to be modulated, a reactance tube modulator having a grid and cathode, said modulator being connected to said source to vary the frequency thereof in accordance with the potential between said grid and cathode, an audio amplifier, means to supply audio signal oscillations through said amplifier to said grid and cathode of said modulator, means to rectify the audio signal output from said audio amplifier when it exceeds a predetermined level to produce unidirectional control potentials, and two unidirectional current circuits one connected to impress said control potentials between said grid and cathode of said modulator with polarity to reduce the extent of modulation produced thereby and the other connected to impress said unidirectional potentials upon said audio amplifier with polarity to reduce the amplification thereof.

2,424,831
COMPOSITION FOR WATERPROOFING AND FIREPROOFING TEXTILE MATERIAL, AND THE TREATED MATERIAL
Joseph H. Klaber, Philadelphia, Pa., assignor to Quaker Chemical Products Corporation, Conshohocken, Pa., a corporation of Pennsylvania
No Drawing. Application November 24, 1942, Serial No. 466,828
13 Claims. (Cl. 106—15)

2. A composition for imparting flame- and water-resistance to combustible material in a single application of substances imparting said properties, which comprises a homogeneous aqueous composition which upon application to said combustible material and drying deposits a non-injurious residue thereon, said composition comprising fire-resistant material, which is soluble in the aqueous phase of said composition and when dried provides a pH non-injurious to the combustible material, present in an amount effective to impart flame-resistance to the combustible material upon the deposition of said residue, an oil-in-water emulsion of an emulsifiable water-repellent material, a hydrolyzable metal salt of an organic acid, the water-repellent material and the hydrolyzable metal salt being present in the composition in an amount effective to impart water-resistance to the combustible material upon the deposition of said residue, and a volatile acid free from hydroxyl groups to provide a pH at which said hydrolyzable metal salt is stable, said acid being volatilizable to increase the pH to a point whereby the hydrolyzable metal salt hydrolyzes to form a precipitate and a residue having a pH non-injurious to the combustible material is obtained.

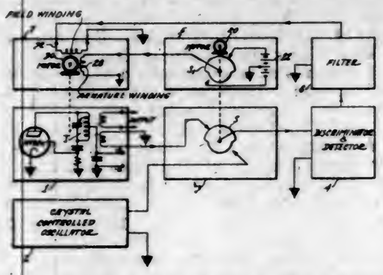
2,424,832
PROCESS FOR PRODUCING PENICILLIN
Walter L. Koerber, Kingston, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1944, Serial No. 519,191
3 Claims. (Cl. 195—36)

3. The process for the production of penicillin comprising growing a penicillin forming mold of the *Penicillium notatum-chrysogenum* group in submerged culture in a liquid nutrient medium until substantially maximum penicillin titer is attained, then adjusting the pH of the medium to about 6.0–6.5 by adding phosphoric acid, and harvesting.

2,424,833
FREQUENCY COMPARISON AND CONTROL CIRCUIT
Nathaniel I. Korman, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 18, 1944, Serial No. 559,189
14 Claims. (Cl. 250—36)

2. The method of comparing the frequency of a source of oscillations of unstable frequency with oscillations from a source of substantially the same and fixed frequency which includes these steps, producing current pulses recurring at a substantially constant rate, subjecting pulses of said oscillations of unstable frequency, recurring substantially at said constant rate, and alternatively occurring pulses of said oscillations of fixed frequency to a frequency demodulation action, to derive pulses the phase of which depends on the frequency of the unstabilized oscillations and pulses of fixed frequency, and combining said produced current pulses with said derived pulses

to provide resultant potentials which vary from a base value in a direction depending on the frequency relation of the unstable oscillations and stable oscillations.

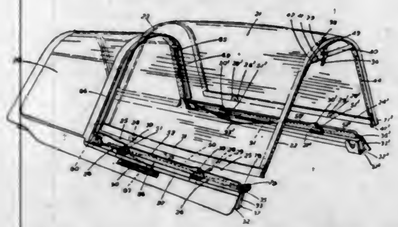


2,424,834

SLIDABLE AND RELEASABLE HOOD FOR AIRCRAFT

Marcel Jules Odilon Lobelle, Slough, England, assignor to Messrs. R. Malcolm Limited, Slough, England, a British company

Application April 25, 1945, Serial No. 590,290
In Great Britain April 25, 1944
6 Claims. (Cl. 244—121)



1. A sliding hood structure for aircraft comprising a hood proper and a pair of side rails therefor, said hood proper extending over part only of the length of said side rails, a canopy and means detachably connecting said canopy to said side rails in continuation of said hood proper, said means of detachable connection comprising base members along each side of said canopy, downwardly extending pins thereon adapted to engage recesses in said side rails, laterally extending pegs on said base members, upstanding members on each of said side rails with slots therein adapted to receive said pegs when said pins are in engagement with said recesses, claws adapted to hold said pegs in said slots, operating mechanism for said claws on each of said side rails, linkage extending within said hood proper from side to side thereof connecting the said operating mechanism on one of said side rails to that on the other, a hand lever and an operative connection from said hand lever to the operating mechanism on one of said side rails.

2,424,835

METHOD FOR SURFACING SMALL PARTS

George Paul Luckey and Theodore Raymond Schwalm, Lancaster Township, Lancaster County, Pa., assignors to Hamilton Watch Company, Lancaster, Pa.

Application February 10, 1945, Serial No. 577,240
1 Claim. (Cl. 51—281)

A method of surfacing small parts consisting in grouping said parts within the confines of a steel ring of less thickness than the parts to be surfaced, filling the interstices with hot fluid shellac, applying yielding pressure to one side of said group and a flat unyielding surface to the other side of said group while said shellac is fluid, cooling said group while under pressure to form



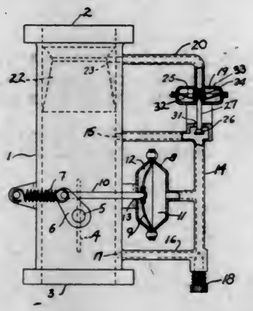
one side of said group in a flat plane surface, mounting said group on a magnetic chuck, either side up, flat grinding said uppermost side as a unit, removing said group from said chuck and turning it to present the unsurfaced side, flat grinding said unground side as a unit and dissolving said shellac.

2,424,836

ENGINE GOVERNOR

Marion Mallory, Detroit, Mich.

Original application June 8, 1942, Serial No. 446,243, now Patent No. 2,356,679, dated August 22, 1944. Divided and this application April 3, 1944, Serial No. 529,355
6 Claims. (Cl. 137—153)



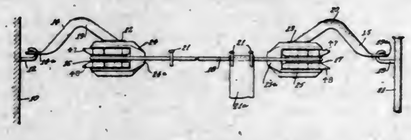
1. In an internal combustion engine having an intake passageway provided with a throttle valve for controlling the flow of motive fluid to the engine, means actuated through changes in pressure in the intake passageway on the downstream side of said throttle valve for imparting movement to said throttle valve, and a conduit connecting said above pressure actuated means with the intake passageway on the downstream side of said throttle valve, the improvement comprising a fluid bleed for changing the effective pressure at said above pressure actuated means, a valve controlling said fluid bleed, and means actuated through changes of pressure created by changes in the velocity of the fluid flowing through said intake passageway on the upstream side of said throttle valve for imparting movement to said fluid bleed valve, said latter means moving said fluid bleed valve towards closed position when the fluid flowing through said intake passageway reaches a velocity whereby said first mentioned pressure actuated means moves said throttle valve toward closed position.

2,424,837

CLOTHESLINE APPARATUS

Joseph B. Mangan, Wethersfield, Conn.

Application October 24, 1944, Serial No. 560,146
9 Claims. (Cl. 211—119.03)



1. In a support for one end of an endless clothesline which is arranged with both courses on the same horizontal level, a horizontally extending J-shaped bracket secured to a wall or post, a U-shaped housing secured to said bracket and having upper and lower walls, a vertical stud rigidly mounted in said upper and lower walls, and a central pulley and a pair of flanged upper and lower guide wheels mounted for independent rotation on said stud above and below said pulley.

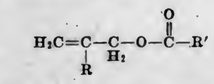
2,424,838

CONJOINT POLYMERIZATION PRODUCTS

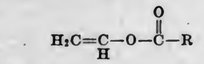
Eugene W. Moffett, Milwaukee, Wis., and Roy E. Smith, New York, N. Y., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

No Drawing. Original application April 5, 1940, Serial No. 327,996. Divided and this application March 30, 1944, Serial No. 528,728
4 Claims. (Cl. 260—86)

1. An artificial resin comprising the conjoint polymer of a mixture of two components: (A) a monocarboxylic acid ester of allyl alcohol having the structural formula:



in which R is selected from a class consisting of hydrogen and methyl radicals and R′ is selected from a class consisting of hydrogen and alkyl, and (B) a vinyl ester having the formula:



in which R is selected from a group consisting of hydrogen and lower alkyl, component A constituting 1 to 50 per cent of the mixture and component B constituting the remainder.

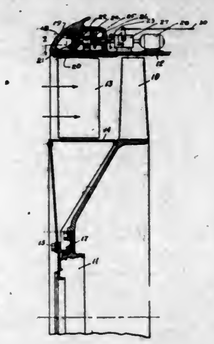
2,424,839

SPIN VANES CONTROL DEVICE FOR COOLING FANS IN AIRCRAFT ENGINES

Harry E. Morton, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.

Application September 21, 1943, Serial No. 503,227
2 Claims. (Cl. 123—171)

2. In an airplane engine cooling system, a fan for cooling the engine, spin vanes pivoted in the inlet to the fan, said vanes having larger surfaces on the downstream sides of their pivots whereby air pressure urges them toward open position, means for rotating said vanes, a clutch connected to said rotating means, a motor connected to said clutch, means including a thermostat responsive to the temperature of the engine for controlling said motor, and means including a control for actuating said clutch for declutching said motor from said rotating means,



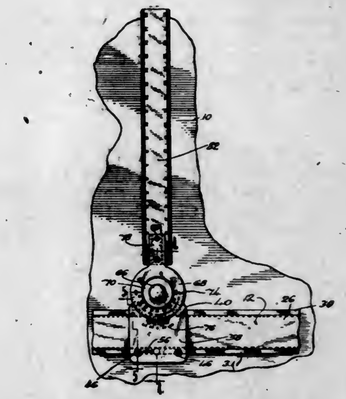
whereby said vanes are automatically rotated by the air pressure to open position.

2,424,840

DRAFTING APPARATUS

William H. Murphy, Chicago, Ill.

Application April 10, 1944, Serial No. 530,243
6 Claims. (Cl. 33—80)



1. In combination, a straight-edge having under-cut longitudinal edges, a protractor member slidably mounted on said straight-edge and having retaining members engaging beneath one of said under-cut edges and an engaging member slidably mounted upon said protractor head and provided with means movable into and out of position engaging beneath the other of said under-cut edges.

2,424,841

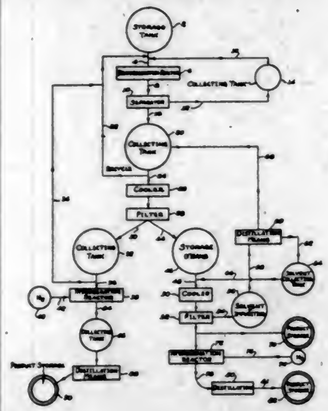
SEPARATION OF ALKYL AND ALKYLENE NAPHTHALENE ISOMERS

Joseph E. Nickels, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application July 17, 1945, Serial No. 605,613
10 Claims. (Cl. 260—669)

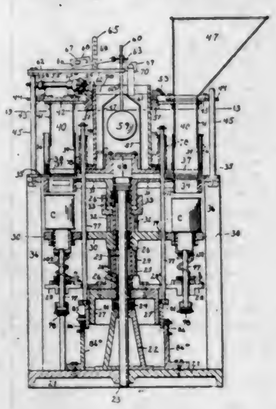
1. A process for the preparation and separation of alpha vinylnaphthalene and beta vinylnaphthalene from mixtures of alpha and beta ethylnaphthalenes whereby beta vinylnaphtha-

lene is obtained in substantially pure form and alpha vinylnaphthalene is concentrated to facilitate its purification, comprising: catalytically dehydrogenating said mixture of alpha and beta ethylnaphthalene to form a mixture of alpha and beta vinylnaphthalene; cooling the so-formed de-



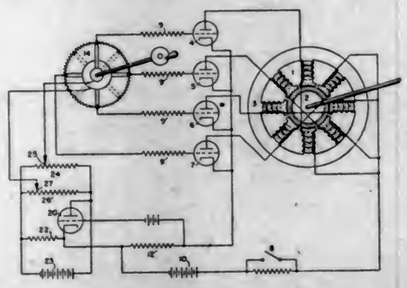
hydrogenation mixture to a temperature at least below 0° C.; crystallizing from the said cooled mixture substantially pure beta vinylnaphthalene by at least one crystallization stage; and recovering alpha vinylnaphthalene in the mother liquor of such crystallization.

2,424,842
CAN FILLING MACHINE
George J. Olney, Westernville, N. Y.
Application December 13, 1944, Serial No. 567,928
4 Claims. (Cl. 226—102)



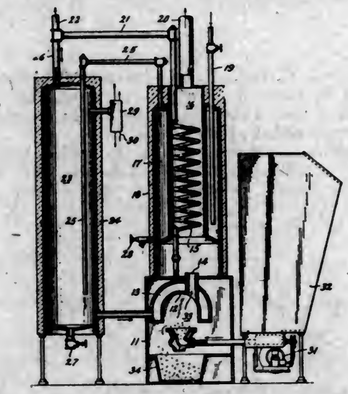
1. In a can filling machine, the combination of a rotated circle of equally spaced, vertically placed measuring tubes, means for so rotating said circle of measuring tubes, a stationary food-containing hopper over one portion of said circle of tubes, a top stationary circular valve plate located immediately over the upper ends of said measuring tubes and normally closing said upper ends of said measuring tubes and normally closing said upper ends but having one feed port therethrough adapted to allow the food to drop therethrough from said hopper into a tube in register with that feed port, a lower stationary circular valve plate normally closing the lower ends of said measuring tubes but having a discharge port spaced part of said circle from the feed port and adapted to allow the food to pass through said port when a measuring tube is brought into register with said discharge port, a circular can-supporting plate spaced down below said lower valve plate and rotating in unison with said measuring tubes, a circular brine-distributing plate immediately below the lower valve plate and rotating in unison with said measuring tubes and having communicating chambers respectively in alignment with said measuring tubes and periodically receiving food therefrom and then and later receiving brine from said brine distributing plate, a brine-holding tank surrounding said measuring tubes and bottomed by said lower measuring plate and separate means for each measuring tube and its communicating chamber for conducting brine from said brine tank to said measuring tube and its communicating chamber, said means including a vertically movable brine cup located in said brine tank and adapted to be filled therefrom in its lowered position and in its upper position to cause brine to flow therefrom to this tube's parts of the brine-distributing plate and means for vertically moving said brine cup.

2,424,843
SELF-SYNCHRONOUS REMOTE-CONTROL SYSTEM
Ollie M. Owsley, Alexandria, Va.
Application October 17, 1944, Serial No. 559,106
14 Claims. (Cl. 318—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



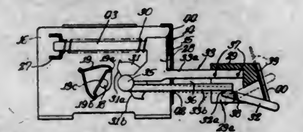
1. In a system of the class described a synchronous motor, an input circuit for said motor comprising two or more vacuum tube relays, adjustable biasing means for said relay tubes, including a commutator for sequentially varying the bias of the relays and therefore the current in the windings of said motor to control its operation, a motor common return between the cathode of each of said relay tubes and the opposite side of said motor, means associated with said common return for causing the total motor current to tend to remain constant, and a synchronizing switch shunted by a resistance connected in said common return, whereby when said synchronizing switch is opened to permit operation of the commutator to bring it into synchronism with the motor all the relay tubes will be biased to maximum current regardless of the position of the contacts on said commutator and the motor will be locked in position.

2,424,844
SYSTEM FOR HEATING LIQUIDS
Vernon F. Parry, Golden, Colo., assignor to the United States of America, as represented by the Secretary of the Interior
Application November 7, 1945, Serial No. 627,274
3 Claims. (Cl. 122—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



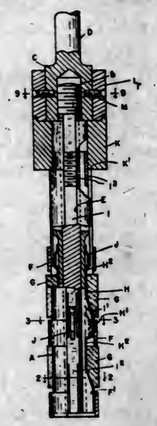
1. A water heating system comprising a water jacketed combustion dome provided with a discharge duct, a water heating coil operatively connected with said dome, a water jacket provided with a flue for products of combustion surrounding said coil, means for admitting water from an external source to said water jacket, a hot water discharge pipe coupled to said coil, a water storage tank operatively connected to the top of said water jacket, means connecting said storage tank with said water jacketed dome, heat-responsive switch mounted on said storage tank to be operated by fluctuations in the temperature of water in said storage tank, and an electric motor of an automatic fuel stoker electrically connected with said switch.

2,424,845
RADIO CONTROL UNIT
Alexander W. Plensler, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application August 4, 1943, Serial No 497,341
22 Claims. (Cl. 74—10)



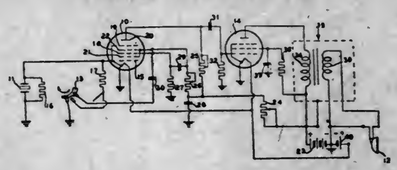
1. In a tuning device for a radio set, a movable selector unit including two elongated spaced apart and substantially parallel extending parts and another part connecting said two parts at corresponding ends thereof for relative movement therebetween, adjustable means including a pivot pin disposed between said two elongated parts at said corresponding ends thereof, and means including a push button substantially enclosing the opposite ends of said two parts and including means acting upon the opposite ends of said elongated parts to retain them in positions such that said pivot pin is clamped therebetween, thereby to hold said adjustable means in an adjusted position.

2,424,846
HONING TOOL
Maurice N. Prange, Highland Park, Mich.
Application May 11, 1944, Serial No. 535,122
8 Claims. (Cl. 51—184.3)



1. A honing tool comprising a longitudinally channeled rotary holder, an abrasive stone in said channel, a longitudinally movable cam member in said channel forming a backing for said abrasive member, an apertured fabric tab directly secured to and projecting beyond one end of said abrasive member, and a detent on said holder for engaging the aperture of said tab to hold said abrasive member from longitudinal movement while permitting radial movement by said cam.

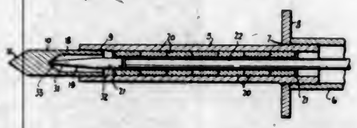
2,424,847
AMPLIFIER CIRCUIT
John G. Prentiss, Berwyn, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 4, 1943, Serial No. 504,958
2 Claims. (Cl. 179—171)



2. An amplifier circuit including an electron discharge device having an anode, cathode, first control electrode; second control electrode and at least one grid electrode, said grid electrode being interposed between said first and second control electrodes, a source of anode operating potential for said electron discharge device, said source having positive and negative terminals, a coupling network connected between said second control electrode and said grid electrode to couple voltage changes therebetween, a first resistance connected between said grid electrode and said positive terminal of said source, second and third resistances connected between said first and second control electrodes, respectively, and said cathode electrode to properly load said control electrodes, and an anode load resistance connected between said anode electrode and said positive terminal of said source, said electron discharge device having a normal range of anode load resistances, said amplifier circuit tending to

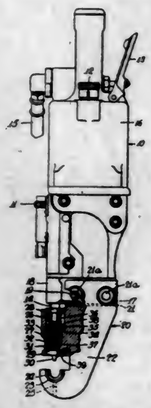
oscillate when said anode load resistance lies in said range, said anode load resistance being chosen to have a magnitude greatly in excess of the magnitudes in said normal range of anode load resistances, whereby said amplifier is prevented from oscillating.

2,424,848
SOLDERING IRON
John A. Reitan, Minneapolis, Minn., assignor to Met-Elec Corporation, Minneapolis, Minn., a corporation of Minnesota
Application December 13, 1944, Serial No. 567,921
2 Claims. (Cl. 219—26)



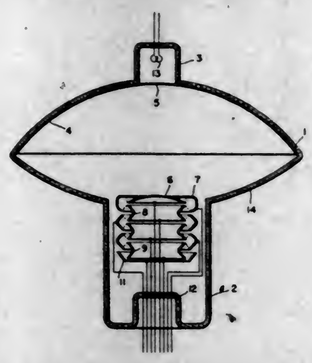
1. In a soldering iron of the character described, a barrel member, a soldering tip on one end of the barrel member, the said tip having a chamber opening at one end into the barrel member, a tubular insulating member in the barrel member, a contact rod movable endwise through said insulating member and axially of the barrel, a heating element slidably mounted at one end in the insulating member and extending axially into the chamber in the tip, and the arrangement being such that said heating element is normally free for axial movement with respect to the tip and contact rod.

2,424,849
PORTABLE COMPRESSING TOOL AND DETACHABLE PRESS
Julian Rogoff, New Rochelle, and Irving Frederick Matthysse, New York, N. Y., assignors to Burndy Engineering Company, Inc., a corporation of New York
Application September 15, 1942, Serial No. 458,438
2 Claims. (Cl. 153—1)



1. In combination, a tool having a body section provided with an attachment means at the lower portion thereof, a plunger projecting therebeyond and control means contained on said body section for manually controlling the operation of said plunger to be actuated; and a separable base unit having securing means for locking the base unit to the attachment means of the body section of the tool, said base unit having a movable die part and a stationary die part, said plunger being operable to actuate the movable die part when the base unit is secured to the tool, and means for returning said movable die part to its initial position, said securing means for the base unit extending beyond the movable die part whereby when the tool and base unit are locked together, the plunger will be in operable position with respect to the base unit.

2,424,850
PHOTOELECTRON MULTIPLIER
Alfred F. Roman, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application April 7, 1944, Serial No. 529,907
6 Claims. (Cl. 250—175)



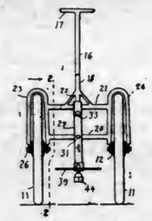
1. In a phototube, a cathode having a photosensitive surface, an apertured light reflector disposed opposite to said cathode, and sensitizing apparatus disposed behind said reflector aperture for depositing photosensitizing material on the surface of said cathode.

2,424,851
POLYMERIC PEROXIDES OF ACETONYL ACETONE
Hyman Rudoff, Santa Fe, N. Mex., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 7, 1944, Serial No. 557,731
2 Claims. (Cl. 260—338)

2. A solid polymeric peroxide of acetonyl acetone having the general analysis $C_8H_{10}O_x$, where x is a number including fractions not less than 3 nor more than 4.

2,424,852
CARRIER
George C. Rush, Portland, and Howard Bailey, Salamonia, Ind.
Application February 12, 1946, Serial No. 647,090
3 Claims. (Cl. 214—65.4)

1. A carrier comprising traction wheels oppositely arranged, a lever bar, a transverse frame integrated with said lever bar at its inboard end and at an oblique angle thereto, said frame embodying side arms extended beyond the transverse plane of the inboard end of said lever bar, axles interconnecting the lower ends of said side arms and the said wheels, a hook member projecting from said frame at a plane above the plane of said axles, a guideway block carried by said frame at a plane below the plane of said axles, a yoke member movable longitudinally in said guideway block, means to yieldably urge

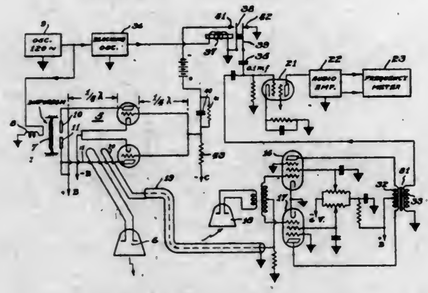


said yoke member to projected position, and a device carried by, and which is adjustable on said yoke member to limit the extent of the projective movement of said yoke member.

2,424,853
TITANIUM DIOXIDE DIELECTRIC MATERIALS
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 6, 1944, Serial No. 534,537
12 Claims. (Cl. 117—106)

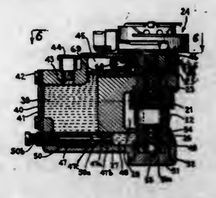
1. Finely divided titanium dioxide which has been calcined at a temperature of at least about 1350° C., treated with vapors of a methyl silicon chloride mixture and thereafter heated at a temperature of from 60° to 100° C.

2,424,854
PULSED FREQUENCY MODULATED ALTIMETER
Royden C. Sanders, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1942, Serial No. 456,602
2 Claims. (Cl. 250—1.68)



1. In a radio distance determining system, means for producing a carrier wave which is cyclically frequency modulated and for transmitting it to a reflecting surface, a receiver for receiving said wave after reflection from said surface, said receiver comprising a heterodyne detector, means for applying said reflected wave to said detector, means for also applying a portion of said modulated wave directly from the transmitter to said detector whereby a difference or beat frequency is produced, an amplifier including at least one vacuum tube, a frequency indicator connected to said detector through said amplifier to indicate said beat frequency, means for transmitting said carrier wave as a pulse that lasts for the duration of at least one of said cycles of frequency modulation and which is followed by a period lasting for a comparatively large number of succeeding cycles of frequency modulation before the next pulse occurs, and means for connecting a short-circuiting capacitor across the input circuit of said vacuum tube during said long period following each pulse and for disconnecting said short-circuiting capacitor during the transmission of each pulse.

2,424,855
LOCK STITCH SEWING MACHINE AND METHOD OF LUBRICATING THE SAME
George Sauer, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1942, Serial No. 436,554
4 Claims. (Cl. 112—256)

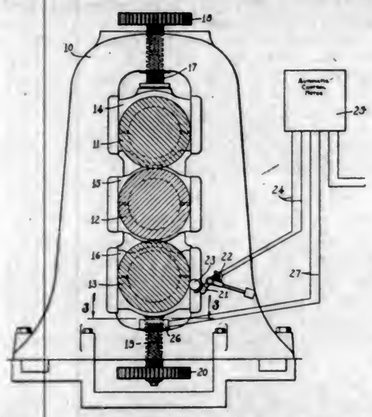


1. In a sewing machine a loop-taking unit comprising a frame, bearings mounted in said frame in vertical alinement, a rotary hook of the raceway type having its axis disposed substantially vertically, a shaft rigidly connected with said hook and journalled in said bearings, said shaft having a longitudinal passage therein, a gear on said shaft between said bearings for rotating the shaft, an oil supply reservoir carried by said frame, a passage in said frame connecting said reservoir with said passage in the shaft for the delivery of oil thereto by gravity, a valve cooperating with said passage in the frame and adjustable exteriorly thereof for regulating the flow of oil to said passage in the shaft, said valve permitting delivery of oil to the passage in the shaft at a rate sufficient only to meet the lubrication requirements of said raceway, but being adjustable to either completely close off said passage or allow the flow of excess lubricant therethrough to flush out accumulated dirt, and stationary means carried by said frame cooperating with the shaft upon rotation thereof to cause delivery of the oil from the passage in the shaft by a positive pumping action to the raceway of said rotary hook.

2,424,856
CALENDER
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn., a corporation of Connecticut
Application May 10, 1945, Serial No. 593,035
10 Claims. (Cl. 18—2)

10. Roll-adjusting means for calenders or like machines having a frame and a pair of cooperating rolls supported by the frame, one of which is adjustable relatively to the other, comprising an adjusting screw, means to rotate said screw to effect an adjustment of the adjusting roll to approximately the desired position to produce a sheet of the proper gauge, additional means to effect elongation of said screw to bring about the final roll adjustment for the exact gauge desired,

said additional means comprising a heating element associated with said screw, and means con-



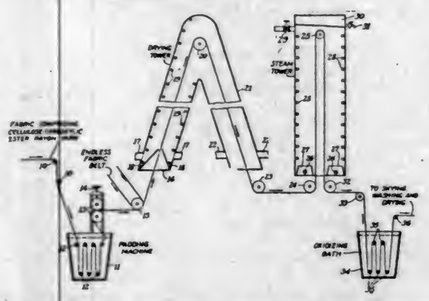
trolled by variations in the gauge of the sheet to energize said heating element.

2,424,857

PROCESS FOR DYEING TEXTILE MATERIALS COMPRISING A CELLULOSE CARBOXYLIC ESTER WITH VAT DYES

Herbert G. Scull, New York, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 21, 1943, Serial No. 507,144
5 Claims. (Cl. 8—36)



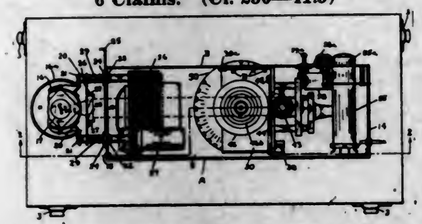
1. A process for uniformly dyeing in solid color throughout its thickness a fibrous textile material comprising cellulose carboxylic ester fibers, in which ester the acid radical contains from 2 to 4 carbon atoms, without detrimentally altering the physical characteristics of the original fibers of the textile material, comprising padding the textile material throughout its thickness with a liquid padding mixture comprising a substantially unreduced vat dye, sufficient alkaline reducing agent which is substantially inactive at temperatures up to 140° F. to accomplish reduction of the vat dye, and sufficient alkaline agent to convert the reduced vat dye to its salt form and to cause surface saponification of a small fraction of the depth of the ester fibers, drying the padded textile material at an elevated temperature, while maintaining it in a horizontal position by means of an air cushion, without contact of its useful surface with any object during the drying operation until the padding mixture on the material is dry enough that it will not smear upon contact with a solid object, steaming the dried textile material at a temperature of from about 212° F. to about 270° F. in order to reduce substantially completely the vat dye and in order to saponify the surface of the cellulose carboxylic ester fibers, and treating the steamed textile material with an oxidizing agent to oxidize the reduced vat dye.

2,424,858

COLORIMETER

Jurg A. Senn, Washington, D. C.

Application January 25, 1945, Serial No. 574,534
6 Claims. (Cl. 250—41.5)



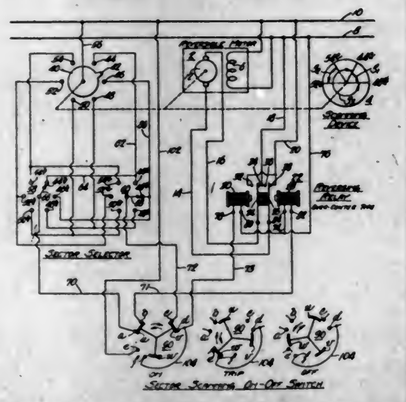
1. In apparatus employing a light source and a photocell in the path of light therefrom, shutter means comprising a substantially cylindrical wall having an edge portion adjacent said path and supporting means therefor including a stationary portion and a wall-carrying portion which is rotatable about the axis of said wall, at least one of said portions being inclined to said axis whereby rotation of said wall-carrying portion will move said edge portion axially into and simultaneously across said light path.

2,424,859

CONTROL APPARATUS FOR REVERSIBLE MOTORS

Malcolm G. Shoemaker, Abington, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application April 28, 1944, Serial No. 533,188
6 Claims. (Cl. 172—239)



1. In an apparatus for controlling sector scanning equipment, a driving motor, scanning equipment driven by said motor, rotary switching means driven by said motor synchronously with said scanning equipment, manually-settable selector switching means for determining the location and amplitude of the sector to be scanned, means controlled by both of said switching means to cause reversing of said motor automatically as said scanning equipment reaches the limits of the scanned sector, a manually-operable switch for rendering the aforesaid switching means inoperative at will to interrupt the sector scanning, and means controlled by said manual switch for actuating said motor-reversing means so as to cause continuous operation of the motor in a single predetermined direction, thereby to actuate said scanning equipment continuously in said direction.

2,424,860

INSECTICIDAL COMPOSITIONS

Alva V. Snider, Richmond, and John L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 30, 1944, Serial No. 543,030
12 Claims. (Cl. 167—22)

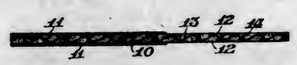
12. An insecticidal composition comprising a mineral oil and a compound selected from the group consisting of unsaturated and saturated aliphatic and alicyclic mono-oxime esters of aliphatic carboxylic acids.

2,424,861

METHOD FOR MANUFACTURE OF IMPREGNATED FLEXIBLE FABRIC

Howard Snow, Charlotte, N. C., assignor to Southern Friction Materials Company, a corporation of North Carolina

Application December 2, 1942, Serial No. 467,620
2 Claims. (Cl. 117—11)



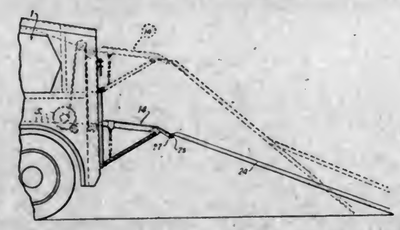
1. A method of producing a flexible, water and wear-resistant leather-substitute product comprising impregnating and coating a woven textile fabric with a varnish of an oil modified thermosetting resin which produces upon curing a hard, inflexible, non-sticky crust on the surface of the fabric, curing said resinous material, and then surface-abrading the so treated fabric to remove said surface crust and to level down the ridges on the exterior surface of the woven fabric, and thus produce a substantially level, smooth, slightly napped, product, which is markedly more flexible than the impregnated and cured product before abrading.

2,424,862

TAIL GATE ASSEMBLY

Clarence C. Stuart, Dearborn, Mich., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich., a corporation of Michigan

Application October 5, 1945, Serial No. 620,465
10 Claims. (Cl. 214—85)



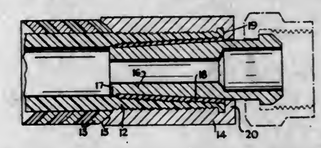
1. A tail gate assembly for a vehicle comprising vertical guideways on said vehicle, a gate, a pivotal connection between the gate and said guideways and guided for movement upwardly and downwardly in said guideways, prop means connected at one end to said gate remote from said pivotal connection and guided at the other end for movement upwardly and downwardly in a rectilinear path below said pivotal connection and adjacent said guideways whereby said gate can be swung to substantially horizontal position and elevated or lowered within said guideways to serve as a variable height ramp for loading said vehicle.

2,424,863

FLEXIBLE PIPE

Frank Edward Swain, Ewell, England, assignor of one-half to Douglas Darby, Northwood, Middlesex, England

Application December 27, 1944, Serial No. 569,947
In Great Britain October 18, 1944
5 Claims. (Cl. 138—60)



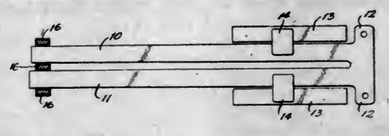
1. A flexible pipe comprising a flexible tube, a stack of radially-rigid, corresponding, spherically-dished members mounted thereon in contact with one another and with said tube, the sphere centres being on the median line of the tube so that said members can slide one on another transversely of the tube when the latter has flexed, and end pieces secured to the tube ends so as to maintain said members in full contact with one another.

2,424,864

VIBRATION RESPONSIVE APPARATUS

Robert C. Treseder, Dayton, Ohio

Application May 2, 1944, Serial No. 533,785
6 Claims. (Cl. 73—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Vibration responsive apparatus comprising a plurality of vibratory reeds mounted side by side and having different resonant frequencies, and adjustable support means extending across and engaging the reeds and adjustable lengthwise thereof simultaneously to vary the resonant frequency of the reeds.

2,424,865

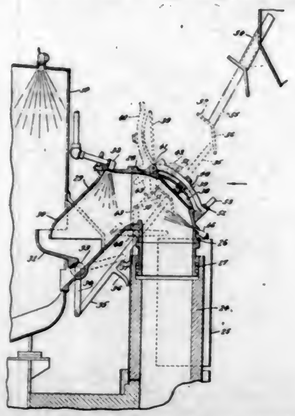
VALVE MECHANISM FOR GAS UPTAKE PIPES OF A COKE OVEN BATTERY

Olav M. Tweit, Mountain Lakes, N. J., assignor to Wilputte Coke Oven Corporation, New York, N. Y., a corporation of Maine

Application September 1, 1944, Serial No. 552,284
4 Claims. (Cl. 202—256)

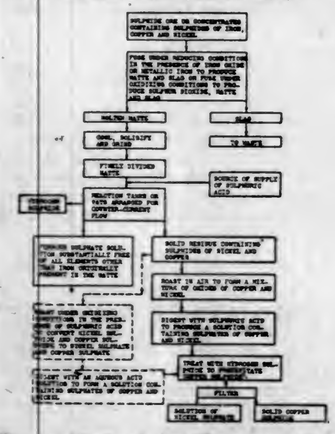
1. In a coke oven battery having a charging larry for supplying fuel to be coked to the coking chambers forming the battery, each of which

chambers is provided with a gas offtake, a collector main, a gas offtake pipe connecting the gas offtake of a coking chamber with the collector main, said connection including a liquid seal to prevent the flow of gas from said coking chamber to said collector main during the pushing of coke from said coking chamber, means, comprising an operating part, for breaking said liquid seal to place the coking chamber in communication with said collector main, means for venting said gas offtake pipe to the atmosphere, said last



mentioned means including an operating part, an operating mechanism on said larry, said operating mechanism comprising an element in substantial alignment with said first mentioned operating part and also with said second mentioned operating part when said larry is in position to charge said coking chamber, said element being constructed and arranged to move both of said operating parts to actuate the means for breaking said liquid seal and for closing said venting means.

2,424,866
PROCESS FOR THE TREATMENT OF MATTE TO RECOVER METALLIC SALTS
Marvin J. Udy, Niagara Falls, N. Y.
Application April 15, 1942, Serial No. 439,097
19 Claims. (Cl. 75—21)



4. The method of treating matte containing sulphides of iron and nickel to produce separate iron-bearing and nickel-bearing products which comprises digesting the matte with an aqueous solution of sulphuric acid to produce an aqueous solution of ferrous sulphate with the evolution of hydrogen sulphide, the concentration of the acid solution employed and the time of digestion being such that a substantially saturated aqeous solution of ferrous sulphate is produced, whereby conversion of the nickel sulphide of the matte to a nickel compound soluble in the solution is inhibited, and separating the ferrous sulphate solution from the nickel sulphide.

11. The method of treating ore containing sulphides of iron, copper and nickel to produce separate iron-bearing, copper-bearing and nickel-bearing products which comprises smelting the ore to produce matte containing sulphides of iron, copper and nickel, digesting the matte with an aqueous solution of sulphuric acid and forming an aqueous solution of ferrous sulphate in contact with a mixture of solid sulphides of copper and nickel, separating the ferrous sulphate solution from the mixture of copper and nickel sulphides, subjecting the mixture of copper and nickel sulphides to an oxidizing treatment to produce a mixture of copper and nickel oxides, digesting the mixture of copper and nickel oxides with an aqueous acid solution to form an aqueous acid solution of salts of copper and nickel, treating the solution thus formed with hydrogen sulphide to produce insoluble copper sulphide and form a substantially copper-free solution of nickel salt, and separating the nickel solution from the copper sulphide.

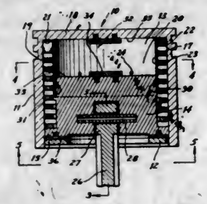
2,424,867
SPRING CONTACT FOR ELECTRIC PLUG COUPLINGS
George Wagstaff, Long Eaton, England
Application June 18, 1943, Serial No. 491,411
In Great Britain July 3, 1942
2 Claims. (Cl. 173—328)



1. A sheet metal electrical contact of the class described comprising a support-engaging base, outwardly converging wings extending from the opposite sides of said base and presenting a spring tensioned prong-receiving contact socket, the outer end portions of said wings being bent outwardly and inwardly to provide spring arm-receiving loops exteriorly of said socket, said loops being substantially closed against the outer sides of said wings but open at least at one edge thereof, and a U-shaped spring having its end portions extending into the open end of said loops and bearing against the outer faces of said wings.

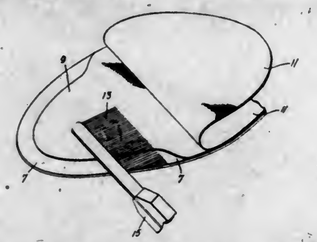
2,424,868
FULL FLOATING PISTON
June Gordon Wantz, Knob Noster, Mo.
Application September 18, 1945, Serial No. 617,077
2 Claims. (Cl. 123—78)

2. A full floating piston including an outer piston, an inner piston formed with an annular flange extending outwardly from its lower end snugly received in said outer piston for reciprocating movement therein, a connecting rod secured to said inner piston, a cylindrical guide sleeve formed with an outwardly extending annular flange adapted to seat against the under surface of said outer piston head and to be slidably engaged by said inner piston, a packing



ring supported by said inner piston contacting the inner surface of said cylindrical guide, and a coiled cushioning spring disposed about said inner piston and engaging the annular flanges on said inner piston and on said cylindrical guide.

2,424,869
STIFFENING PORTIONS OF THE UPPERS OF SHOES
Walter H. Wedger, Newton Center, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 14, 1941, Serial No. 388,398
30 Claims. (Cl. 36—77)

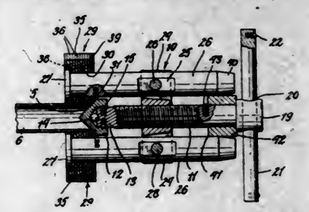


17. A shoe upper ready to be conformed to a last, a selected portion of the upper having incorporated therein a stiffening material comprising an aminoplast stiffening substance in a liquid vehicle, a finely divided, inert filler and a curing agent.

2,424,870
PROCESS OF FREEZING COMESTIBLES
Charles H. Welling, New Canaan, Conn., and Clarence K. Reiman, Newton, Mass., assignors to Z Pack Corporation, Boston, Mass., a corporation of Delaware
No Drawing. Application June 3, 1942, Serial No. 445,658
6 Claims. (Cl. 99—193)

1. A multi-step method of quick freezing comestible units in a loose free-flowing mass, which consists in passing a liquid refrigerant of low viscosity containing sugar over and in direct contact with the unfrozen units, thereby coating each unit with a protective low-vapor-pressure film consisting of a gel-like layer composed of said sugar-containing refrigerant and the juices and pectins of the comestible and preventing appreciable osmosis from the units; continuing the refrigerant contact with the units over a period of time and at a temperature approximating 13 to 18 degrees F. thereby rapidly quick-freezing hard protective outer shells in the units beneath said film, and thereafter completing the quick freezing of the units by contacting them with a refrigerant at a lower temperature which solidifies the units throughout their mass.

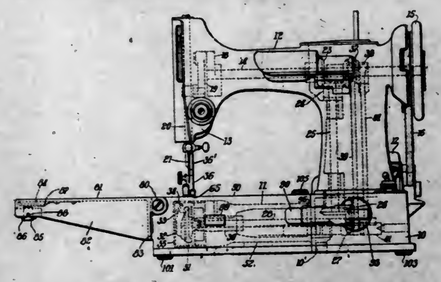
2,424,871
TOOL FOR FLARING TUBING
Edward A. Wenk and Ruth B. Wenk, New York, N. Y., assignors to The Keystone Manufacturing Co., Buffalo, N. Y., a corporation of New York
Application April 18, 1944, Serial No. 531,587
9 Claims. (Cl. 153—79)



1. A tube flaring tool, comprising a pair of arms, means pivotally connecting said arms to swing about spaced parallel axes to permit the free ends thereof to move toward and from each other, a die carried at the free end of each of said arms and adapted to grip the tube to be flared and holding said tube on an axis extending lengthwise of and intermediate said arms and through the central part of said connecting means, a tapered head carried by said connecting means intermediate said axes and axially alined with the gripped end of said tube, and means for moving said tapered head relative to said connecting means and along said axis to flare the end of said tube.

9. A tube flaring tool, comprising a cross bar provided at each of its ends with a Y-shaped bore the enlarged end of which is at the rear side of the cross bar, means providing opposed knife edge bearings in the central parts of said bores, a pair of arms insertable through said bores, each of said arms having a reduced portion providing a V-shaped groove the apex of which is engageable with the corresponding knife edge bearing thereby to permit said arms to swing about parallel axes, a die carried at the free end of each of said arms and adapted to grip the tube to be flared, and means carried by said cross bar for flaring the wall of said tube against said dies.

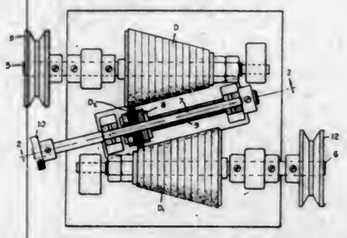
2,424,872
CONVERTIBLE FLAT-BED AND CYLINDER-ARM SEWING MACHINE
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 16, 1944, Serial No. 568,405
21 Claims. (Cl. 112—260)



1. A sewing machine having in combination, a base, a work-supporting arm extending therefrom, a bracket-arm carried by said base and located above said work-supporting arm, feed-

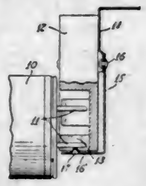
actuating mechanism within said base, a rectangularly shaped bed adapted to fit over said work-supporting arm to provide a flat work-supporting surface, said bed carrying feeding mechanism for advancing the material, and means for operatively connecting the feeding mechanism in the bed with the feed-actuating mechanism in the base when said bed is fitted over said arm.

2,424,873
POWER TRANSMISSION MECHANISM
Hermann R. Abbrecht, Shaker Heights, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1944, Serial No. 550,579
3 Claims. (Cl. 74—191)
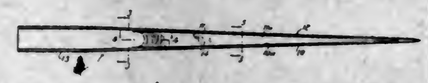


2. In a power transmission mechanism comprising opposed rotary brushes having their faces in frictional engagement with each other, a brush element comprising a rotatable support of generally conical form having a spirally stepped face, and helically wound brush strip mounted thereon with the brush material projecting approximately radially in closely compacted relation.

2,424,874
LAMP RETAINER FOR FLUORESCENT LAMPS AND THE LIKE
Gillson W. Beals, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application April 2, 1943, Serial No. 481,539
4 Claims. (Cl. 173—328)



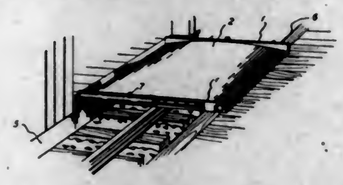
1. In a lighting fixture having a horizontal tubular lamp with pin type terminals and a fixed holder having a passage into which the terminals are insertible from below and from which they are downwardly removable, the improvement comprising an L-shaped lamp retainer which when in lamp retaining position has a vertical portion and a horizontal portion, the upper end of the vertical portion being pivoted on the opposite side of the holder from the lamp and about an axis substantially above the terminal passages, the horizontal portion being of insufficient length to extend beyond the side of the holder adjacent the lamp, the lamp retainer being swingable from a position where it prevents downward removal of the lamp terminals to a position where it is out of the path of the lamp terminals when being removed.

2,424,875
REINFORCED PROPELLER BLADE
George W. Brady, Upper Montclair, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 9, 1943, Serial No. 513,574
3 Claims. (Cl. 170—159)



1. In a propeller, a pair of plates disposed in facing relation to form a propeller blade, an integral longitudinally extending rib formed on each of said plates, a tapered connecting member between and joining said ribs, said connecting member having a concavely curved recess formed in the wide end thereof, a section-thickening pad formed on each of said plates bordering and underlying the recessed end of said connecting member, the curved ends of said recess blending into the surfaces of said pads, and a recess-defining edge of said connecting member substantially thicker than the rest of said connecting member.

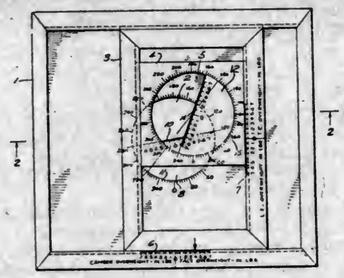
2,424,876
GANGWAY
Johnnie R. Butler, Fort Worth, Tex.
Application May 25, 1946, Serial No. 672,176
5 Claims. (Cl. 14—72)



1. In a gangway, a gangway surface, rigid supporting members along each side of the said surface, a rigidly secured foot member beneath the said surface and at one end thereof, tubular members secured to the said supporting members, extensible foot members slidably secured within the first said tubular members for telescoping adjustment therewith and at the opposite end of the gangway surface with respect to the said rigid foot member, and means securing the said extensible foot members in adjusted positions relative to the said rigid foot member.

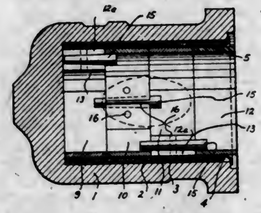
2,424,877
WEIGHT CALCULATOR FOR VERTICAL BALANCING
William E. Crawford, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 20, 1945, Serial No. 623,582
6 Claims. (Cl. 235—61)

1. A balance weight calculator for determining the amount and angular position of balance weights to be inserted in a propeller blade or the like to correct determined vertical unbalance thereof, which comprises a base plate having a circular opening therein, a slide member superimposed upon said base plate to move horizontally across the same and having a circular opening therein adapted to coincide with the opening in said plate, means on said base plate and slide for registering the unbalanced condition of the blade by movement of said slide member effecting a corresponding offsetting of said circular openings, and rotatable means in said openings adapted to be positioned to indicate the angular disposition for weights to correct said



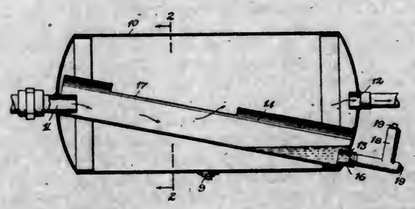
unbalanced condition, said last-named means having cooperating scale marks for indicating the amount of weights to be employed.

2,424,878
METHOD OF BONDING A LINER WITHIN A BORE
William M. Crook, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 28, 1944, Serial No. 560,889
2 Claims. (Cl. 154—82)



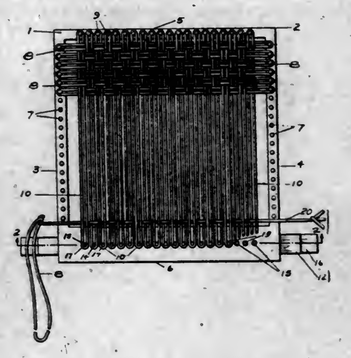
2. A method of bonding a flexible lining in a bore of a rigid member comprising the steps of assembling the lining within the bore with a layer of separate bonding material therebetween, placing an expander within the liner, said expander having a greater co-efficient of thermal expansion than does the rigid member and heating the assembly to fuse the bonding material and to cause the lining to be pressed against the wall of the bore by the differential thermal expansion of the rigid member and expander.

2,424,879
AIR TANK
Max Dach, Flushing, N. Y.
Application August 5, 1944, Serial No. 548,274
7 Claims. (Cl. 183—75)



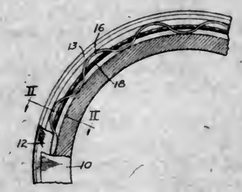
1. In combination with a compressed air tank having an inlet and two outlet openings, a trap for water and foreign matter, said trap comprising a vessel carried within said tank, the lower end of said vessel extending through one of said outlet openings, the upper end of said vessel having an opening therein in communication with the inlet of said tank, the side of said vessel having at least one opening therein in communication with the inside of the tank, the lower end of said vessel having an opening therein, and removable means to close said opening.

2,424,880
HAND LOOM
Harry Robertson Dillon, Niagara Falls, N. Y.
Application May 7, 1945, Serial No. 592,345
2 Claims. (Cl. 139—33)



2. In a device of the character described consisting of a frame provided with two sides and two ends; a plurality of pegs on the two sides and one of the two ends for the reception of a material to be woven; the other of said ends provided with a chamber, independently movable platforms housed in said chamber, a plurality of pegs on each of said platforms for the reception of material to be woven, said other end being provided with guide apertures for the passage of said plurality of pegs on said platforms.

2,424,881
PISTON RING ASSEMBLY
Albert P. Fall, Toledo, Ohio
Application September 30, 1944, Serial No. 556,504
1 Claim. (Cl. 309—45)



A composite piston ring assembly comprising a pair of axially spaced ring segments, an axially rigid expander spacing said segments in the ring groove of a piston; each segment including an overhanging portion, a bearing portion, and a wedge; the overhanging portion constituting

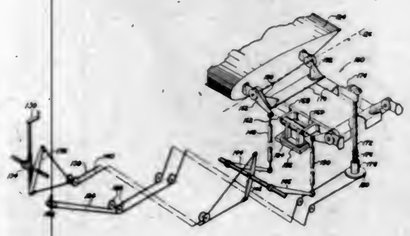
that part of the segment outwardly of the expander which contacts a cylinder wall, the bearing portion constituting that part of the segment between the top or bottom of the expander and the top or bottom of a ring groove, the wedge portion constituting that part of the segment which is radially inwardly from the bearing portion and which is forced between an edge of the expander and the adjacent wall of a groove to complete the assembly and which is out of contact with the expander when the assembly is completed.

2,424,882

HORIZONTAL STABILIZER FOR ROTARY WING AIRCRAFT

Michael E. Gluhareff, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application February 2, 1945, Serial No. 575,897
3 Claims. (Cl. 244—17)



1. In a helicopter comprising, a body, a tail on said body, and a sustaining rotor for said body, first hinge means mounted on said tail and having a pivot axis substantially parallel to the longitudinal axis of said helicopter, second hinge means mounted on said tail and having a pivot axis substantially normal to said longitudinal axis, means for damping pitching movements of said helicopter and for trimming said helicopter about said longitudinal axis comprising, a stabilizer adjacent said tail and connected to both of said hinge means, control means for moving said stabilizer about either or both of said hinge means.

2,424,883

PARAFORMALDEHYDE MODIFIED REACTION PRODUCTS OF DIISOCYANATES WITH LINEAR POLYESTER POLYAMIDE

Bernard James Habgood, David Augustine Harper, and Reginald John William Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 20, 1942. Serial No. 466,356. In Great Britain October 14, 1941

13 Claims. (Cl. 260—67)

9. A process comprising intimately mixing a diisocyanate-modified polymer with 2.5 to 15 parts of paraformaldehyde, per 100 parts of the modified polymer, and heating said mixture at 100–150° C. for not more than one hour until the product exhibits increased resilience and increased softening point, said diisocyanate-modified polymer being the reaction product of a soft, waxy, low molecular weight linear polymer and from 3 to 10%, by weight of said waxy polymer, a hydrocarbon diisocyanate, and said waxy polymer being of the class consisting of polyesters containing recurring intralinear carboxylic ester groups and polyester-amides containing recurring intralinear carboxylic ester groups and recurring intralinear carbonamide groups, the ratio of ester to carbonamide groups being at least 1:1.

2,424,884

SULFUR VULCANIZATION OF UNSATURATED REACTION PRODUCTS OF DIISOCYANATE WITH LINEAR POLYESTERS AND LINEAR POLYESTER-AMIDES AND PRODUCTS RESULTING THEREFROM

James Gordon Cook, David Augustine Harper, Reginald John William Reynolds, and Walter Fairbairn Smith, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 17, 1944, Serial No. 522,800. In Great Britain December 7, 1942

8 Claims. (Cl. 260—75)

1. A process which comprises commingling a soft, rubbery diisocyanate modified polymer with 1 to 5 parts by weight of sulfur per 100 parts by weight of the modified polymer, together with a vulcanization accelerator, said diisocyanate modified polymer being the reaction product of a low molecular weight polymer and from 1% to 10% by weight of said polymer of a hydrocarbon diisocyanate and said polymer being of the class consisting of polyesters containing recurring intralinear carboxylic ester groups and polyester-amides containing recurring intralinear carboxylic ester groups and recurring intralinear carbonamide groups, the ratio of said ester groups to said carbonamide groups being at least 1:1, said low molecular weight polymer having been formed from polymer-forming ingredients, at least one of which contains an unsaturated linkage of the non-benzenoid carbon-to-carbon type with the reactants containing the unsaturated linkage being from 5 to 25 parts by weight per 100 parts by weight of the polymer-forming ingredients, and thereafter heating the mixture to effect vulcanization.

2,424,885

PARAFORMALDEHYDE TREATMENT OF REACTION PRODUCTS OF DIISOCYANATE WITH LINEAR POLYESTERS AND LINEAR POLYESTER-AMIDES AND PRODUCTS RESULTING THEREFROM

Jack Mitchell Buist, David Augustine Harper, Walter Fairbairn Smith, and George Neale Welding, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 17, 1944, Serial No. 522,801. In Great Britain December 21, 1942

8 Claims. (Cl. 260—72)

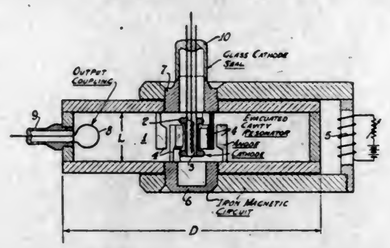
1. In the process of compounding a diisocyanate modified polymer with 2.5 to 15 parts of paraformaldehyde per 100 parts of the modified polymer, said diisocyanate modified polymer being the reaction product of a low molecular weight linear polymer and from 3% to 10% of said polymer of a hydrocarbon diisocyanate and said polymer being of the class consisting of polyesters containing recurring intralinear carboxylic ester groups and polyester-amides containing recurring intralinear carboxylic ester groups and recurring intralinear carbonamide groups, the ratio of said ester groups to said carbonamide groups being at least 1:1, the step which comprises effecting the compounding in the presence of 0.25 to 0.75 part per 100 parts of the diisocyanate modified polymer, of a basic material which will neutralize acid present during compounding.

2,424,886

MAGNETRON

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 29, 1942, Serial No. 470,438
12 Claims. (Cl. 250—27.5)



1. A magnetron comprising a cavity resonator having a cathode in the interior thereof positioned at right angles to two parallel surfaces defining the shortest dimension of said resonator, an anode structure surrounding said cathode and composed of a multiplicity of equal length anode segments greater than two located between said surfaces and mounted with alternate segments on the same surface and adjacent segments on opposite ones of said two surfaces of said cavity resonator, and means adjacent said resonator for producing a magnetic field having flux lines extending in a direction substantially parallel to said cathode.

2,424,887

METHOD AND ELECTROLYTE FOR THE ELECTRODEPOSITION OF METALS

John A. Henricks, Ann Arbor, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application October 11, 1941, Serial No. 414,610
6 Claims. (Cl. 204—52)

2. A method of electrodepositing bright and ductile copper, which comprises electrodepositing copper from an aqueous sulfuric acid solution of copper sulfate, there being added to such solution from 0.1 to 15 g./l. of a water dispersible brightening agent selected from the group consisting of sulfurized sulfonated hydrocarbons containing a six carbon ring and their substitution products in which the ring is nuclearly substituted with an alkyl group.

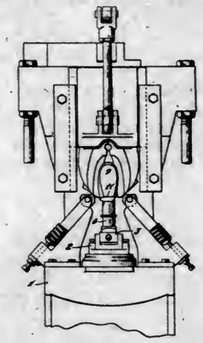
2,424,888

SHOE QUARTER MOULDING APPARATUS

William F. Herlihy, Haverhill, Mass.

Application January 24, 1945, Serial No. 574,427
1 Claim. (Cl. 12—97)

Apparatus for use in molding the quarter portion of an assembled shoe upper including a forepart, said apparatus being in general like a conventional counter-moulding machine and capable of exerting pressure sufficient to mould and to flange shoe counters and wherein the quarter portion of the shoe upper is shaped by the combined action of a unitary fixed male die or plug and a female die comprising a pair of relatively moveable wings, the male die being mounted upon a fixed rigid post and the female die being carried by a head which goes toward and from the male die in a rectilinear path, the male die or plug having a substantially vertical front face characterized in that the post is of circular horizontal section and of a diameter not substantially exceeding one and one-half inches and of a length of at least three inches below the lower edge of the vertical face of the male die or plug, said front vertical face being disposed in a plane which is approximately one inch in front of the forward vertical element of the post, thereby providing clearance below the male die or plug for the accommodation of the forepart portion of the shoe upper while the quarter portion of the upper is being moulded.

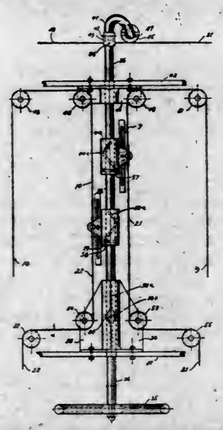


2,424,889

AIRPLANE CONTROL SYSTEM

Tracy S. Holmes, Vallejo, Calif.

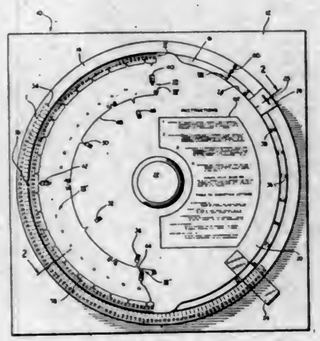
Application August 20, 1943, Serial No. 499,368
13 Claims. (Cl. 244—83)



1. In an airplane having ailerons on the wings thereof and two complementary disposed tail surfaces, each tail surface being angularly disposed with respect to the horizontal transverse and vertical axes of the airplane to provide both vertical and horizontal components, a control member, means mounting the control member for both rotational and longitudinal movement, control means for said ailerons responsive to rotational movement of the control member for

respectively elevating and depressing the respective ailerons in response to the direction of rotation of the control member, and control means for the tail surfaces selectively responsive to both rotational and longitudinal movement of the control member and including controlling connections responsive solely to rotational movement of the control member and effecting an individual operation of the responsive tail surfaces in response to the direction of rotation of the control member, and also including other controlling connections responsive to longitudinal movement of the control member to effect a simultaneous similar movement of the tail surfaces in one direction or the other in response to the longitudinal movement of the control member in one direction or the other and means for preventing simultaneous rotation and longitudinal movement of said control member.

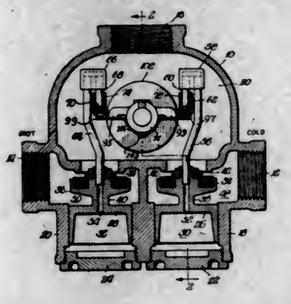
2,424,890
TAX CALCULATOR
John N. M. Howells, Kittery, Maine
Application August 14, 1943, Serial No. 498,617
14 Claims. (Cl. 235—78)



1. A tax calculator comprising several discs, means to interconnect said discs for relative rotary movement, one of the discs carrying a scale of wages earned, another disc carrying a scale of taxes at a given tax rate, one of said first two discs carrying a scale of exemptions and the other of said discs carrying means for cooperation with said scale of exemptions to relatively set said two discs, a scale of taxes at a different tax rate, said second tax scale being fixed for movement with the scale of wages, means on a top disc over said first two discs to set said top disc relative to the scale of wages, means on the top disc to read a tax on the first tax scale, and separate means on the top disc for simultaneously reading a tax on the second tax scale.

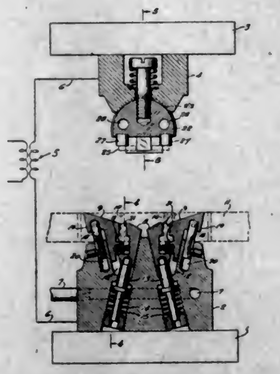
2,424,891
THERMOSTATIC MIXER FOR LIQUIDS
Richard Carl Kirchhoff, Chicago, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1943, Serial No. 516,038
9 Claims. (Cl. 236—12)

1. In a device of the character described, the combination of a casing having a cold liquid inlet, a hot liquid inlet, and a mixed liquid outlet, said casing having a cylinder disposed adjacent said cold liquid inlet and a cylinder disposed adjacent said hot liquid inlet, a piston slidably mounted in each of said cylinders, the pistons being separate whereby they are capable of independent movement with respect to each other, a valve seat adjacent each inlet providing with said casing and pistons, respectively, a cold liquid chamber and a hot liquid chamber, said pistons being fitted to permit leakage from the adjacent hot and cold liquid chambers to the space below said pistons, thereby tending to close said valves,



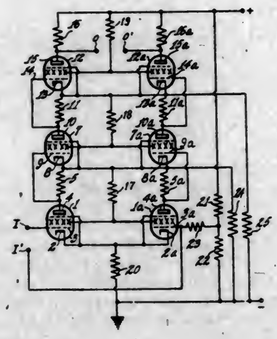
a valve associated with each piston operated by the associated piston for seating on the respective seats, each valve being operable separately by its associated piston, said casing having a mixing chamber between said seats and outlet, thermostatic means in said mixing chamber for regulating said valves, and means extending into the mixing chamber communicating with the cylinder spaces below the pistons and controlled by said thermostat for connecting the mixing chamber to the cylinder spaces below the pistons.

2,424,892
ELECTRIC RESISTANCE WELDING FIXTURE
Sven Malke, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 25, 1945, Serial No. 590,222
12 Claims. (Cl. 219—4)



1. An electric resistance welding fixture comprising an electrode adapted to apply welding pressure to two different joints to be welded simultaneously, and a support for said electrode having a semi-circular groove therein with its axis parallel to and substantially centrally between the joints, said electrode being complemental to said groove and being supported therein for self adjustment to equalize the pressure applied to the two joints.

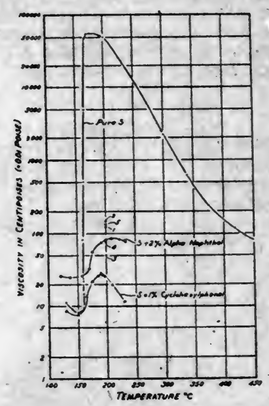
2,424,893
AMPLIFIER CIRCUITS
Hugh Lyon Mansford, Ickenham, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application August 22, 1945, Serial No. 612,033
In Great Britain April 24, 1944
Section 1, Public Law 690, August 8, 1946.
Patent expires April 24, 1964
6 Claims. (Cl. 179—171)



1. An amplifier comprising a source of anode voltage, a plurality of pairs of thermionic tubes, the tubes of each of said pairs having their cathodes connected to a common point and their anodes connected to a common point, means associated with each of said pairs for varying the voltage of the control electrodes of each tube of each pair differentially so as to cause equal and opposite changes in the anode currents of both tubes of each pair whereby in operation the total anode current of each of said pairs remains substantially unchanged, connections between the common points to which the cathodes and anodes of tubes of different pairs are connected such that the anode circuits of said pairs are effectively connected in series across said source, a pair of input terminals connected to the control electrodes of the first pair of tubes, and a pair of output terminals connected to the anodes of the last pair of tubes.

2,424,894
METHOD OF MAKING CARBON BISULFIDE
Leroy F. Marek, Lexington, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application June 6, 1945, Serial No. 597,823
8 Claims. (Cl. 23—206)

1. The process of producing carbon bisulfide which comprises producing a molten sulfur composition containing an organic agent which lowers the maximum viscosity of said composition when used in an amount of less than about 5%, giving said molten composition a maximum viscosity of less than about 500 centipoises, freely passing said molten composition through a zone of increasing temperature until the sulfur is vaporized, reacting the resulting vapors with carbonaceous material at a temperature above about 700° C. so as to produce reaction products containing carbon bisul-

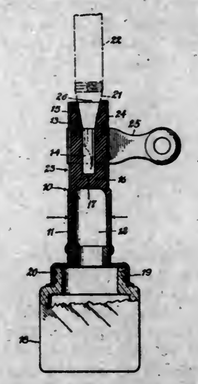


fide, cooling the reaction products, and recovering carbon bisulfide therefrom.

2,424,895
DENTAL IMPRESSION COMPOSITION
Stanley E. Noyes, Los Angeles, Calif.
No Drawing. Application October 30, 1942, Serial No. 463,992
1 Claim. (Cl. 18—47)

A method of producing a dental impression material comprising mixing a water soluble silicate with a metal phosphate and dehydrating this mixture at elevated temperature, grinding the dehydrated mixture to a particle size of at least 80 mesh and blending said dehydrated and ground mixture with a finely divided metal oxide and an alkali metal salt of alginic acid, said blending operation being carried out under such conditions that no substantial amount of heat is imparted to the mixture being blended.

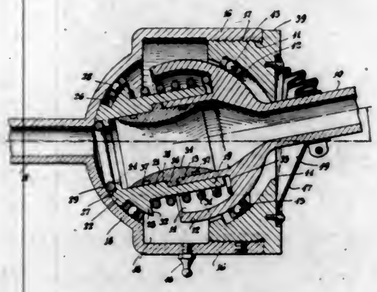
2,424,896
FOUNTAIN PEN FILLING DEVICE
George W. Oakes, Crystal City, Mo.
Application April 19, 1944, Serial No. 531,733
2 Claims. (Cl. 226—63)



1. The combination with an ink container having an outlet neck, of a filling device applied to said neck, said device having resilient means to

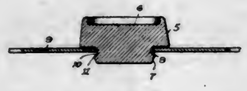
accommodate the writing end of a fountain pen so as to convey ink into the pen, and means to receive ink from said container through said neck, said last means communicating with the first means by a restricted passage and being manipulatable to discharge the ink therefrom through said first means into the pen.

2,424,897
UNIVERSAL CONDUIT JOINT
Elias Orshansky, Jr., Stamford, Conn., assignor to The Acrotorque Company, Stamford, Conn., a corporation of Connecticut
Application December 12, 1944, Serial No. 567,803
10 Claims. (Cl. 285—95)



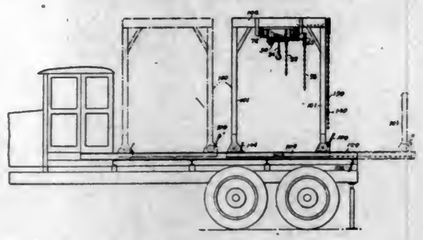
1. In a universal conduit joint, the combination with a socket conduit member having a plurality of internal bearing surfaces, a ball conduit member having an external bearing surface complementary with one of said internal bearing surfaces, a tubular extension on said ball member, a sleeve adapted for slidable engagement with said tubular extension and with the other of said internal bearing surfaces, and sealing means interposed between said sleeve and said tubular extension and between said sleeve and the other of said internal bearing surfaces for providing a balanced joint.

2,424,898
PAINT CUP
Jacob Pressman, New York, N. Y.
Substituted for abandoned application Serial No. 365,417, November 13, 1940. This application June 13, 1945, Serial No. 599,231
2 Claims. (Cl. 41—4)



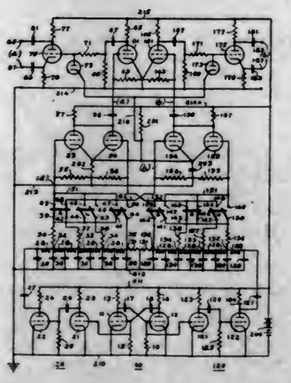
1. The combination with a base formed with an aperture having a flexible yielding edge of a paint cup formed with a body member having a receptable at the top thereof and a stud integral therewith and projecting from the bottom thereof and adapted to be inserted in the aperture in the base so as to releasably attach the cup to the base, said stud being of smaller width near the top thereof than at a point beneath the top, the maximum width of the stud being slightly greater than the width of the aperture so as to resist accidental release of the stud, the body member being of greater width than the aperture so that it rests upon and is supported by the base when the stud is inserted in the aperture.

2,424,899
TRUCK HOIST
Henry Priester, Middletown, N. Y.
Application October 28, 1944, Serial No. 560,729
5 Claims. (Cl. 212—15)



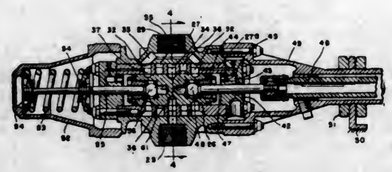
1. A traveling crane comprising a self-propelled vehicle, a pair of spaced rails fixed to said vehicle longitudinally thereof, a second pair of longitudinally disposed rails mounted on the first pair for longitudinal movement relative to said first pair, a gauntry mounted on said second pair of longitudinal rails for longitudinal movement relative thereto, a pair of spaced rails fixed on said gauntry transversely of said vehicle, a second pair of transversely disposed rails mounted on the first pair of transverse rails for movement relative thereto transversely of said vehicle, a trolley mounted on said second pair of transverse rails for movement relative thereto transversely of the vehicle, and a hoist on said trolley.

2,424,900
MULTIPLEX CONTROL SYSTEM
Ellison S. Purington, Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application August 2, 1944, Serial No. 547,730
10 Claims. (Cl. 177—380)



9. The method of deriving pulses for multiplex control which comprises producing two series of recurrent pairs of pulses with the pairs of pulses of the two series occurring alternately, controlling the time spacing between the pulses of each pair in each series, and propagating the individual pulses of each pair over separate transmission channels.

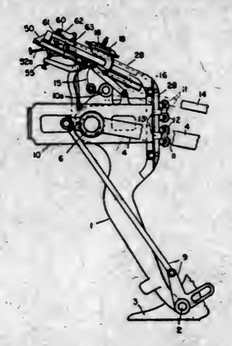
2,424,901
VALVE FOR PRESSURE FLUID SERVOMOTORS
Robert R. Richolt, Tujunga, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application August 9, 1943, Serial No. 498,021
6 Claims. (Cl. 121—46.5)



5. In a hydraulic booster control system for aircraft, a power cylinder and a four way valve for controlling the same, including suitable hydraulic supply and return connections to the valve and interconnections from the valve to the power cylinder, said valve comprising a body sleeve therein defining a central bore therethrough, said sleeve having a series of spaced ports therethrough separately communicating with said hydraulic connections, end closures for said sleeve having restricted passages communicating with the return connection, a piston valve reciprocable within said sleeve and having a pair of intermediate lands controlling the several ports and end lands cooperating with the end closures to form dashpots, and means for moving said piston in said sleeve including a ball ended link journaled in one of said end closures and having a limited lateral freedom of movement in said piston whereby to compensate for lateral and angular misalignment.

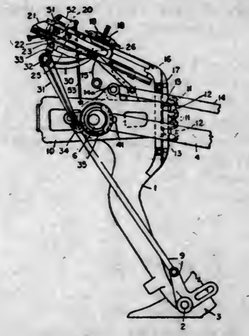
2,424,902
INKING MECHANISM FOR PRINTING PRESSES
Charles F. Root, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Original application April 8, 1943, Serial No. 482,230. Divided and this application January 13, 1944, Serial No. 518,105
5 Claims. (Cl. 101—341)

4. In inking mechanism for a printing press having a throw-off, the combination of an ink-distributing plate, an ink-distributing roller movable back and forth across such plate, an ink-fountain adjacent one edge of said plate, said fountain being pivoted about an axis beneath said plate and including a roller normally adapted to contact with said distributing roller when the latter is moved towards such edge, and means adapted to support said fountain with its roller in such contacting position, said means including a rocker having an arm extending beneath said fountain, an adjusting screw on said arm whereon said fountain rests, an eccetrically mounted shaft connected with the press throw-off, and



a boss on said shaft adapted to engage another arm of said rocker.

2,424,903
INKING MECHANISM FOR PLATEN PRINTING PRESSES
Charles F. Root, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1944, Serial No. 564,764
12 Claims. (Cl. 101—341)

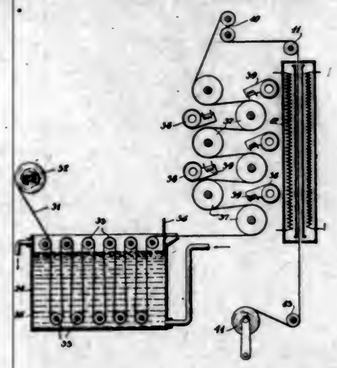


12. In inking mechanism for printing presses, the combination of a fountain roller mounted so as to be movable into and out of position to contact with an ink-distributing roller, adjustable means connected with the press throw-off and adapted in one position to move said fountain roller into such out-of-contact position upon actuation of such throw-off, and means operative to hold said adjustable means in position to maintain said fountain roller in contacting position irrespective of such throw-off, when desired.

2,424,904
PROCESS FOR THE TREATMENT OF REGENERATED SHEET CELLULOSE TO IMPROVE ITS DIELECTRIC PROPERTIES
Samuel Ruben, New Rochelle, N. Y.
Application October 5, 1940, Serial No. 359,884
8 Claims. (Cl. 18—48)

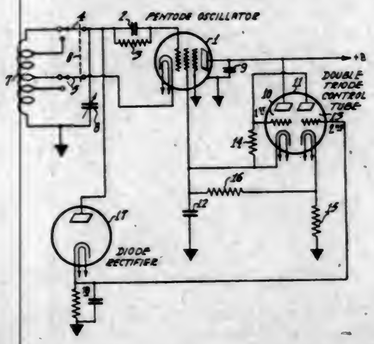
3. The process of reducing the power factor and increasing the resistance of regenerated cellulose film for a dielectric spacer element for

capacitors and the like, which comprises the steps of dialyzing said film to remove soluble impurities by passing said film through a bath of water



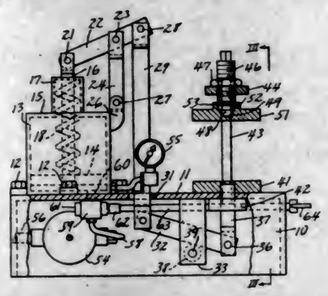
maintained at a temperature above 40° C. for a period at least in the order of one minute, then drying the film while in motion.

2,424,905
AUTOMATIC AMPLITUDE CONTROL FOR VARIABLE FREQUENCY OSCILLATORS
Ranald D. Scheldorf, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1943, Serial No. 498,124
3 Claims. (Cl. 250—36)



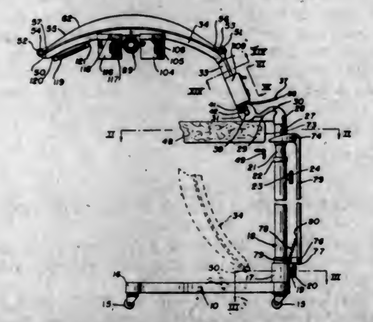
3. An automatic amplitude control circuit for a variable frequency oscillator employing a thermionic discharge tube having at least a cathode, an anode, a screen electrode and a control electrode comprising a source of operating voltage for said anode, means including a second thermionic discharge tube having at least at cathode, an anode and a control electrode providing a variable impedance path for said anode voltage to said screen electrode, diode rectifier means coupled to said oscillator tube control electrode and responsive to the amplitude of oscillations generated by said oscillator for deriving control voltages, means including a third thermionic tube for amplifying said control voltages, and a connection from said third tube to the control electrode of said second tube for applying said amplified control voltages to vary the impedance of said variable impedance path to vary the voltage applied to said screen electrode of said oscillator tube.

2,424,906
DENTAL PRESS
James C. Sharrock, Birmingham, Ala., and John A. Sheeley, Stamford, Conn.
Application May 3, 1946, Serial No. 666,862
3 Claims. (Cl. 18—5.7)



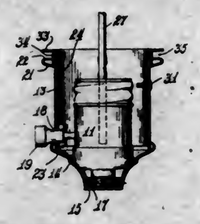
1. In a dental press, a base, an air cylinder mounted on the base, a piston and rod within the cylinder, a pressure regulating valve, a manually operable three-way valve interposed between the cylinder and the pressure regulating valve, a vertically movable platen, compound linkage connecting the piston rod and the movable platen, a pair of vertically extending rods secured to the base, a connecting plate at the top of the rods passing over the center of the movable platen, a bolt threaded through the plate and in vertical alignment with the center of the movable platen, the lower end of said bolt being spherical, a fixed platen having a spherical seat to receive the spherical end of the bolt, and a pin loosely connecting the platen to the bolt.

2,424,907
ADJUSTABLE BED COVER SUPPORT
Joseph A. Voss, Denver, Colo.
Application July 13, 1942, Serial No. 450,674
4 Claims. (Cl. 5—319)



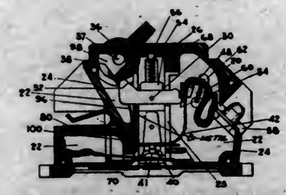
3. In a device of the character described, the combination with a standard for extending above a bed mattress, of a rigid open framework pivotally connected to said standard to overhang a bed mattress in spaced confronting relation therewith for supporting bed clothes to define a patient receiving chamber with said bed mattress, said framework comprising a rigid supporting pivoted arm and a flexible frame sprung from its normal expanse into predetermined shape for retention on said rigid arm, and end extensions on said flexible frame adjustably connected therewith to vary the bed clothes supporting expanse thereof and the size of the patient receiving chamber defined therewith.

2,424,908
LIGHTING FIXTURE
August Willenbacher, New York, N. Y., assignor to L. Rosenfeld & Co., Inc., New York, N. Y., a corporation of New York
Application September 17, 1945, Serial No. 616,727
3 Claims. (Cl. 240—148)



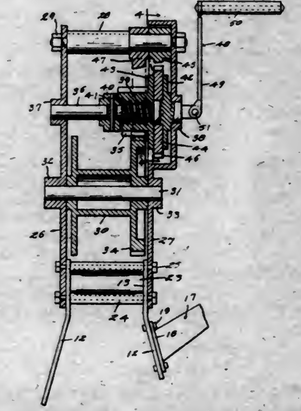
1. A harp construction comprising, in combination, a U-shaped frame, a sleeve within which the leg portions of said frame are secured, said frame being mounted in such manner that the greater portion thereof extends outwardly beyond an end of said sleeve, an external annular flange on the end of the sleeve from which the frame extends, and an annular ring on said flange surrounding and spaced from the wall of said sleeve.

2,424,909
CIRCUIT INTERRUPTING DEVICE
Frederick B. Adam, St. Louis County, and Floyd S. Green and Henry M. Stieglitz, St. Louis, Mo., assignors to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application December 30, 1942, Serial No. 470,680
1 Claim. (Cl. 200—88)



In an automatic circuit breaker of the enclosed type, a housing of insulating material, a contact positioned in said housing, a contact carrier mounted for sliding longitudinal movement in the housing, a contact affixed to the contact carrier, a transverse bar pivoted to the contact carrier for rotary movement relative to said contact, means biasing the contact carrier to open circuit position, manual means for depressing one end of the transverse bar to move the contact carrier to closed circuit position, a thermal element carried by the contact carrier and latching the other end of the transverse bar to hold it against rotation relative to said contact, said thermal element being adapted to warp when the current through the circuit breaker exceeds a predetermined value and allow the release of the end of the transverse bar to permit the contact carrier to move to the open circuit position independently of the manual operating means, magnetic means arranged to move the thermal element in the same direction as it warps, when the current through the circuit breaker exceeds a second predetermined value, said magnetic means consisting of a magnetizable yoke mounted on said thermal element and a stationary magnetizable member mounted on said housing in proximity to the position of said yoke when the circuit breaker is in closed circuit position but remote therefrom when the circuit breaker is in open circuit position, and a flexible conductor partially surrounding said stationary magnetizable member and connected at one end to said thermal element and at the other end to a stationary part.

2,424,910
SAFETY SCAFFOLD WINCH
Jesse M. Benson, Concord, Tenn., assignor to Sasgen Derrick Co., Chicago, Ill., a corporation of Illinois
Application May 20, 1946, Serial No. 670,945
1 Claim. (Cl. 254—187)

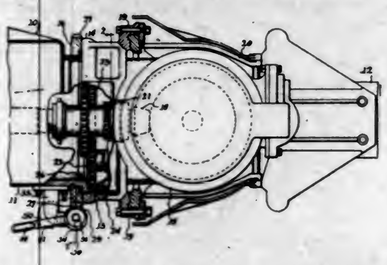


A winch comprising a frame structure, a winding drum rotatable in said frame structure, a gear fixed relative to said drum, a drive shaft journaled in said frame structure, a brake comprising a clutch operating thread on said drive shaft, a driving pinion operatively connected with said clutch thread, a clutch plate fixed relative to said pinion, a second clutch plate fixedly carried by said shaft, an intermediate clutch plate loose on said shaft between said first and second clutch plates, a dog rockably engageable with said intermediate clutch plate for holding the latter against rotation in the unwinding direction of said drum, a pivot disposed transversely of said shaft adjacent one end thereof, a crank comprising an arm and a handle normal to said arm pivotally mounted on said pivot, said handle in the operative position of said crank extending away from said frame, said crank when rotated on said pivot through an arc of substantially 180 degrees having the handle disposed in inwardly projecting position with respect to said frame whereby said handle will lock said shaft against rotation in an unwinding direction of movement of said drum on failure of said brake, and correlated stop means fixed relative to said drive shaft for limiting relative rotation between said pinion and drive shaft.

2,424,911
KERF-CUTTING MACHINE
George Bodin, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 642,309
5 Claims. (Cl. 262—28)

1. In a kerf-cutting machine, a support frame, a cutter frame mounted on said support frame

adjacent the forward end thereof for rotatable movement about a longitudinal axis, a cutter bar projecting from said cutter frame, reduction gearing operatively connected with said cutter frame, for turning said cutter frame by power about said longitudinal axis into one of several desired cutting positions, and means for locking said cutter frame in the desired cutting position including a self-locking worm mounted on said support frame and having interengaging connection with



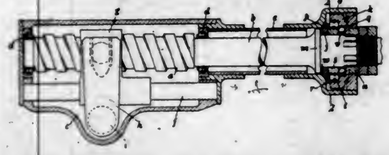
said cutter frame, means selectively operable for moving said worm into and out of engagement with said cutter frame to lock said cutter frame from rotation or to permit said frame to rotate about said longitudinal axis, and means for turning said worm about its axis to turn said cutter frame and cutter bar about said longitudinal axis independently of said gear reduction mechanism, to level or tilt said cutter bar during the cutting operation.

2,424,912

STEERING CONTROL MECHANISM

Thomas Henry Briggs and Walter Henry Briggs, Birmingham, England, assignors to Burman & Sons Limited, Birmingham, England

Application April 30, 1945, Serial No. 591,158
In Great Britain February 2, 1944
2 Claims. (Cl. 192—8)



1. A mechanism comprising the combination of a rotary operating member, movable friction members carried by the operating member, fixed complementary friction members between which the movable friction members are arranged, a single anti-friction thrust bearing arranged between the movable friction members, a single unidirectional clutch also arranged between the movable friction members, and means on the operating member for exerting pressure on the movable friction members.

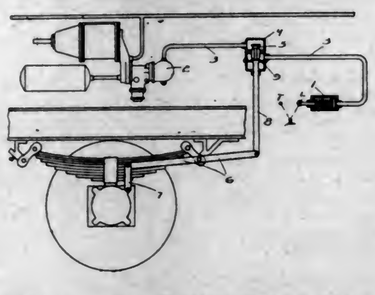
2,424,913

LOAD-RESPONSIVE FLUID-PRESSURE BRAKE FOR VEHICLES

Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden

Application December 26, 1941, Serial No. 424,535
In Sweden November 27, 1940
8 Claims. (Cl. 188—195)

1. In a fluid pressure brake system for vehicles, especially railway vehicles, having a member to be set into one or the other of two definite positions for conditioning the brake for a lower or higher braking effort preparatory to braking, the combination of means urging said member towards and normally holding it in one of its said two definite positions, a servo motor operable by fluid pressure for moving said member into and holding it in the other of its said two definite positions, a pressure fluid supply conduit for said servo motor connecting said servo motor to a point of the brake system, means for setting said point under fluid pressure immediately at the beginning of an application of the brake and for removing the fluid pressure from said point when



the brake is released, valve means including a one-way valve and capable of shutting off said conduit only in the direction for preventing flow of pressure fluid from said point of the brake system to said servo motor, said one-way valve always permitting flow of pressure fluid from said servo motor to said point of the brake system, and means operating automatically under the influence of the load of the vehicle for controlling said valve means so as to cause said valve means to permit or prevent flow of pressure fluid from said point of the brake system to said servo motor as soon and as long as the vehicle load is on one side or the other respectively of a predetermined value.

2,424,914

PIVOTAL JOINT

Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 21, 1942, Serial No. 455,677
7 Claims. (Cl. 287—85)



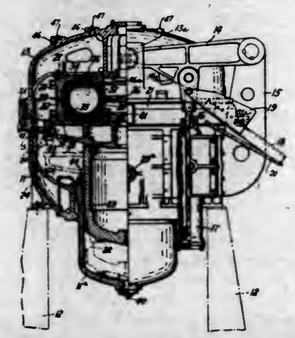
7. An insulating and pivotal joint comprising an inner substantially spherical member, a one-piece bushing of resilient material substantially enveloping said spherical member and formed with a lubricated fabric lining in contact with the spherical member, and a housing encompassing said bushing, the assembled joint having closure means extending across one side of said bushing and forming an enclosed recess confronting the spherical member and adapted to receive a reserve supply of lubricant, said fabric lining extending to said recess so as to have contact with lubricant therein.

2,424,915

VULCANIZING APPARATUS

George P. Bosomworth and Hans G. Hager, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application August 3, 1940, Serial No. 350,540. Divided and this application June 1, 1943, Serial No. 489,260
4 Claims. (Cl. 18—17)



1. In vulcanization apparatus, the combination of a heater having separable top and bottom sections, respective mold sections secured to each of the sections of said heater, and a tubular member having apertures in the upper side thereof positioned adjacent the top of the bottom heater section circumferentially hereof immediately adjacent the inside wall thereof, said apertures being so arranged that cooling fluid can be sprayed therefrom onto the entire periphery of the upper mold section.

3. In vulcanization apparatus, the combination of a heater comprising a lower casing and a cover movable relatively thereof to open and close the heater, lever arms fulcrumed at fixed points and having their free ends pivotally connected to opposite sides of the cover, fluid pressure cylinders swivelled at fixed points and having piston rods pivotally connected to the respective lever arms intermediate the ends thereof for swinging the lever arms to raise and lower the cover, and housing formations formed on the cover about the pivotal connections of the lever arms with the latter engaging the ends of the lever arms to prevent separation thereof from the cover upon failure of the pivotal connections between the lever arms and cover.

2,424,916

BASE PLATE FOR FROGS AND CROSSINGS

Theodore W. Stedman, New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 26, 1943, Serial No. 500,145
1 Claim. (Cl. 238—283)



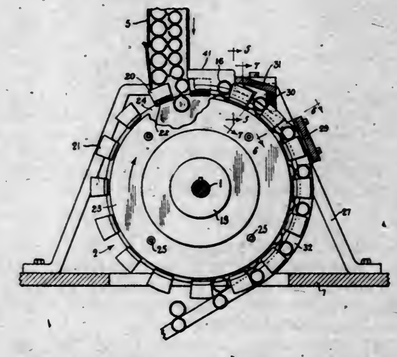
In a base plate of the character described, the combination of a pair of metal plates disposed one over the other in parallel relation, layers of resilient material coextensive with said plates disposed between them and on the top and bottom faces of the composite structure, said material being bonded to said plates, and metal inserts within and extending through the composite structure, each of said inserts being formed with an axial bore adapted to receive the head of a bolt by which a frog or crossing is secured to the base plate, said inserts being polygonal in transverse section and received within respective apertures of complemental shape in the base plate so as to be restrained against rotary movement relatively of the base plate when the bolts are tightened, each of said inserts being larger exteriorly at its lower end than at its top, and having its respective sides of stepped formation, thus providing surfaces that are parallel to the axis of the insert, thereby enabling the metal plates to have limited movement relatively of each other and of the inserts in a direction normal to their planes, yet restraining such relative movement of the plates in the direction parallel to their planes.

2,424,917

BENDING MACHINE FOR RECLAIMING DEFORMED MACHINE GUN BELT LINKS

Arlyss H. Brannock, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 2, 1943, Serial No. 501,033
3 Claims. (Cl. 153—32)



1. In a machine for reclaiming deformed machine gun belt links of resilient material, the combination of driving means engaging a succession of said links and conveying them in a determinate course, and a static die extending into said course and adapted frictionally to engage successive links as they are moved past, and to apply laterally directed pressure upon the deformed portions of the links as the result of their movement, to flex said portions sufficiently beyond their elastic limit so that they return to the desired dimension upon cessation of the flexing pressure.

2,424,918

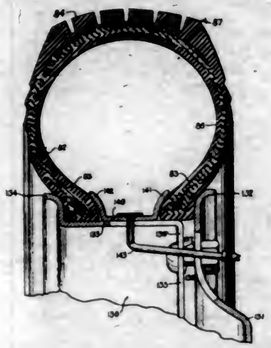
TUBELESS TIRE AND RIM

Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Original application December 9, 1942, Serial No. 468,336. Divided and this application January 7, 1944, Serial No. 517,413
2 Claims. (Cl. 152—401)

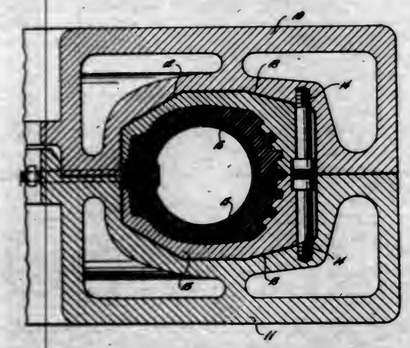
1. In combination a tire, metal tire sealing ring, circumferentially split tire rim and rim bolts, said tire having an inner coat of substantial thickness, said coat being impervious to air, the inner surface of the bead portion of said tire being accurately molded to determinate contour with relation to said sealing ring, said sealing ring hav-

ing side flanges which extend radially and axially outwardly from the base of the ring, said flanges being flared outwardly from the base of said ring at such an angle and having lateral faces of a contour that when mounting said ring in said combination the outer lateral peripheral edge portions of said flanges first engage the said tire inner coat when the said sealing ring is mounted in said tire and said tire mounted on said rim and



the members of said split rim are progressively drawn together by said bolts, the relative shapes of said flanges and tire bead portion, and the thickness of said coat, being such that after said peripheral edge portions engage said coat additional surface areas of said flanges progressively are brought into contact with the tire bead portion whereby said peripherial edges are prevented from cutting through said coat and making contact with the tire fabric plies.

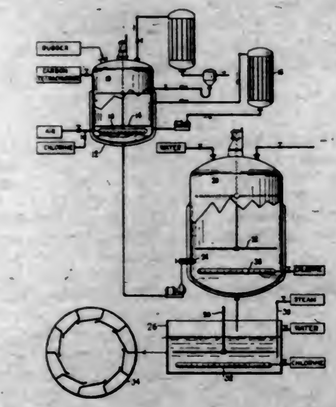
2,424,919
METHOD OF MAKING MOLDS
George P. Bosomworth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application September 21, 1940, Serial No. 357,709. Divided and this application March 23, 1944, Serial No. 527,783
4 Claims. (Cl. 29—148.2)



1. The method of making sectional molds for vulcanizing rubber products, said method comprising positioning thin foil of a low melting point metal alloy in the space between the confronting surfaces of a steam jacketed mold section formed with a recess and a molding insert mountable therein, said melting point being higher than the highest temperature required to vulcanize rubber, pressing the insert into said recess against said foil thereby shaping said interposed metal foil roughly into conformity with the space between the insert and mold section, and then circulating steam, of higher temperature than normally required for vulcanization, through the steam jacket of the mold section while continuing to urge the insert into its recess, whereby the foil is fused and flowed so as completely to fill the space between insert and mold section, and then solidifying the foil by discontinuing the circulation of steam through said steam jackets.

4. The method of eliminating the narrow air gaps which exist between the confronting surfaces of the inserts and their companion tire mold sections of a jacket mold of the class described comprising the steps of placing thin sheets of low melting metal foil, said foil having a melting point higher than the maximum temperature required for vulcanizing tires, over the mold cavities of the mold sections, progressively installing companion inserts in said mold sections and forcibly pressing said inserts into said cavities against said sheets of foil by means of insert attaching bolts thus forcing said sheets into said cavities and causing the sheets to roughly conform to the shape of the narrow spaces between said sections and inserts, closing said mold with said inserts being pressed firmly against said foil, circulating steam through the steam circulation system of said jacket mold, said steam being at a temperature sufficient to fuse said foil, said pressure on said inserts and foil being maintained while said foil is in a fused state, whereby the foil conforms to and completely fills said space, lowering the temperature of the mold sufficiently to solidify said foil, and next trimming away any excess over-flowage of the foil and tightening the attaching bolts to insure a tight fit of the inserts to their mold sections.

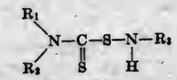
2,424,920
BENEFICIATION OF CHLORINE-CONTAINING RUBBER DERIVATIVES
Harry E. Albert, Akron, Ohio, and Robert J. Reid, Fair Lawn, N. J., assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 25, 1944, Serial No. 537,374
3 Claims. (Cl. 260—772)



1. Process which comprises injecting chlorine, for from 4 to 36 hours, into an aqueous suspension of a granular porous solution-chlorinated rubber obtained by chlorinating a solution of rubber in an organic solvent and containing from about 56% to about 66% of chlorine, the temperature of the suspension being maintained between 70° C. and 95° C. during the greater part of said injection, and said granular porous chlorinated rubber having been produced by injetcion of volatile solvent solution of chlorinated rubber into a heated medium.

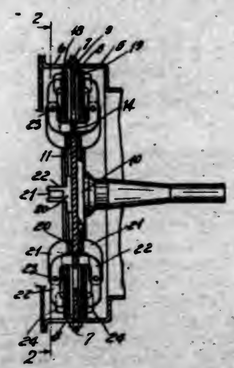
2,424,921
THIOCARBAMYL SULFENAMIDES
George E. P. Smith, Jr., and Edward L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, a corporation of Ohio
No Drawing. Original application May 26, 1943, Serial No. 488,556. Divided and this application April 16, 1945, Serial No. 588,714
4 Claims. (Cl. 260—551)

4. A substance having the formula



wherein R_1 and R_2 are selected from the group consisting of alkyl radicals, a cyclo-alkylene radical and a cyclodi-alkyleneoxy radical, and R_3 is selected from the group consisting of alkyl radicals and cyclo-alkyl radicals.

2,424,922
BRAKE
Edwin J. Sadon, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 8, 1945, Serial No. 615,158
3 Claims. (Cl. 188—73)



1. The combination with a wheel spindle, of a toothed ring member having wedges thereon in spaced apart relation, a brake drum, a disc ring removably mounted thereon and rotatable therewith, friction discs on opposite sides of said disc ring, brackets mounted on the spindle and provided with projecting forked sections, levers pivotally mounted on said forked sections, means whereby said friction discs are supported solely by said levers at one end thereof, and means for rotating said ring gear to bring the wedges into engagement with the other ends of said levers to force the friction discs into frictional engagement with the disc ring.

2,424,923
FIBROUS LAMINATE AND PROCESS OF MAKING SAME
Kenneth L. Edgar, Cuyahoga Falls, and Frederick W. Stavely, Akron, Ohio, and Charles K. Novotny, Des Moines, Iowa, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1946, Serial No. 641,004
6 Claims. (Cl. 154—140)

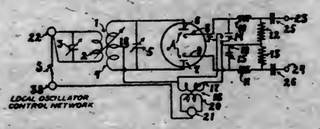
1. An uncured fibrous lamina adapted for plying and curing to form a structural laminate, said lamina comprising a fibrous web impregnated and coated with a plurality of superposed coatings of binding material, certain of said coatings comprising a urea-formaldehyde resin and an elastomeric copolymer of butadiene and styrene free from curing agents for the urea-formaldehye resin, and others of said coatings comprising a urea-formaldehyde resin and a curing agent therefor, none of said coatings free from curing agents being separated by more than two coatings from a coating containing the curing agent.

2,424,924
JEWELRY CHAIN
Michael Chernow, New York, N. Y.
Application May 12, 1947, Serial No. 747,402
6 Claims. (Cl. 59—80)



2. A jewelry chain composed of links of round wire, each link being generally elliptical in shape with its major axis inclined relative to the length of the chain, both halves of each link being deflected outwardly from said major axis out of a common plane, said chain comprising a pair of substantially identical lengths, each consisting of a plurality of links of the character described, each link of each length being rigidly connected to be integral with the corresponding link of the companion length, whereby the line of bridging connections of the horizontally supported extended chain extends in a plane parallel to but spaced from such plane of support, the various links of said chain presenting flat facets adjacent the bridging connections defining a horizontal plateau on the chain as thus supported.

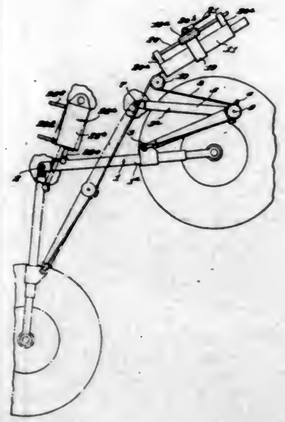
2,424,925
NOISE REDUCTION DEVICE IN RADIO RECEIVERS
Ivan W. Conrad, Alexandria, Va.
Application September 22, 1943, Serial No. 503,423
21 Claims. (Cl. 250—20)



20. In a radio signal receiving system, means for receiving radio signal and noise waves; means for generating local radio waves; balanced modulator means interconnected with and responsive to excitation from both of said first named means

to produce combinational waves; means constantly limiting the amplitude of the local waves applied to said balanced modulator means to a value lower than that of reception-disruptive components of said signal and noise waves, thereby constantly and substantially to eliminate reception-disruptive components in said combinational waves; and selective means acting on said combinational waves to segregate the lower frequency ones thereof.

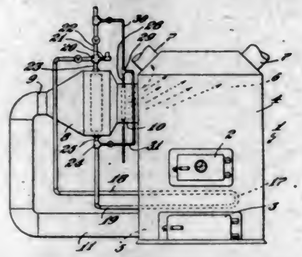
2,424,926
EMERGENCY EXTENSION MECHANISM
George Herbert Dowty, Cheltenham, England
Original application October 12, 1936, Serial No. 105,337. Divided and this application July 2, 1942, Serial No. 449,501
4 Claims. (Cl. 244—102)



1. In combination with a retractable aircraft undercarriage and conventional means completely operative in itself for extending the undercarriage, a completely independent emergency extending mechanism including a releasable source of stored, resilient energy, means operatively connecting the source of energy with the undercarriage, and means for releasing said source of energy for extending the undercarriage upon failure of the conventional means of extension, said last mentioned means including a cable for operation by the pilot.

2,424,927
AIR HEATING AND HUMIDIFYING APPARATUS
Thomas H. Garvey, Natick, and Paul V. Scally, Randolph, Mass.
Application October 8, 1945, Serial No. 620,960
1 Claim. (Cl. 126—113)

In a hot air furnace, a fire box, a casing external to the firebox defining an air heating chamber, means defining a cold air receiving chamber communicating with said air heating chamber at the lower portion thereof, means defining a hot air distributing chamber communicating with the air heating chamber at the top thereof, a conduit external to the furnace leading from said cold air receiving chamber to the hot air distributing chamber, said conduit defining an air conditioning chamber, liquid-heated air heating means located in said conduit, air moistening means located in said conduit between the liquid-heated air heating means and the junction between the conduit and the hot air distributing chamber, air circulating means within the conduit for causing a current of air to flow from the cold air chamber through the conduit and



into the hot air distributing chamber, liquid heating means in heat exchange relationship with said fire box, valve controlled means for conveying heated liquid from said liquid heating means to said liquid-heated air heating means, and additional valve controlled means communicating with said liquid conveying means for supplying heated liquid to said air moistening means to moisten the air flowing through the conduit.

2,424,928
WEAVING AND WOVEN FABRICS
Edward Glendinning, Huddersfield, and Frank Binns, Bradford, England
Application October 7, 1943, Serial No. 505,374
In Great Britain December 3, 1942
9 Claims. (Cl. 139—384)

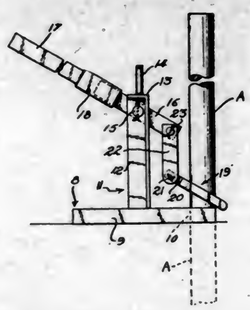


1. A composite fabric comprising, a warp and weft woven rectilinear ground forming cloth, a warp and weft woven fold forming cloth which is twice, or more times, as long as the ground forming cloth, each cloth having its own warp and weft, and a succession of transverse folds formed in the fold forming cloth which are intersected approximately at right angles by the rectilinear warps of the ground forming cloth so that the warp or warp and weft of the fold forming cloth always appears on both sides of the ground forming cloth, a weft or wefts of which pass between the convolutions of the folds or certain of them of the fold forming cloth, fixing the said folds or certain of them so that they are held open at their base by woven ground weft and warp threads.

2,424,929
POST HANDLING JACK
Lawrence A. Haney, St. Paul, Minn.
Application October 3, 1946, Serial No. 700,872
2 Claims. (Cl. 254—132)

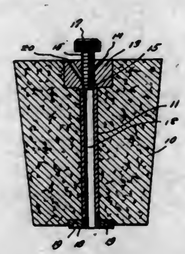
1. In a post handling jack construction of the class described, a base plate, an upright structure on said base plate comprising a pair of perpendicularly arranged and spaced angle irons, a rigidly attached cross-piece mounted atop and

securing the upper ends of said angle irons together, hand-grip fixedly carried by said cross-piece, a lever fulcrumed between the upper end portions of said angle irons, a horseshoe-shaped cant-hook adapted to tiltably embrace and frictionally grip the post, a pair of links carried by, depending from and pivotally mounted on said lever, and a pivotal connection between the lower



ends of said links and an adjacent portion of said cant-hook.

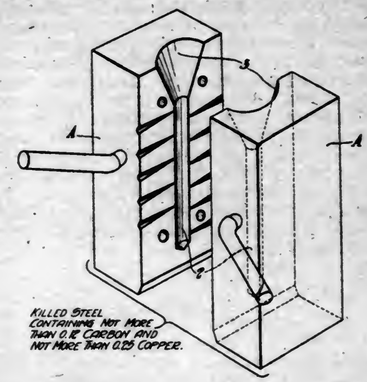
2,424,930
LEAKPROOF STOPPER
Jack J. A. Jackson, Black Diamond, Wash.
Application September 14, 1945, Serial No. 616,353
3 Claims. (Cl. 215—56)



1. A stopper to be used in a container, comprising a body portion, a tubular insert in said body portion, said insert having a longitudinal passageway therethrough and the insert extending entirely through the body portion from end to end thereof for the escape of air and gases from the container, said insert having an enlargement at its upper end with an axially threaded bore, a valve seat at the inner end of the threaded bore, a valve axially adjustable in the threaded bore within the enlargement for opening and closing said longitudinal passageway, said valve being in the form of a screw threaded into the bore, and said enlargement having a vent communicating with the bore and adapted to be controlled by the valve.

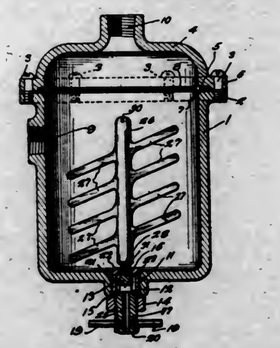
2,424,931
METAL MOLD
Matthew C. Jay, Gary, Ind.
Application December 26, 1942, Serial No. 470,255
2 Claims. (Cl. 22—188)

1. A test mold for casting metal test pieces composed of a killed low carbon steel containing copper in effective amounts but not exceeding 0.25, said mold having the characteristics of preventing fusion with the molten metal cast therein at temperatures up to substantially 3000° F., and



of effectively resisting spotting upon subsequently being quenched in water.

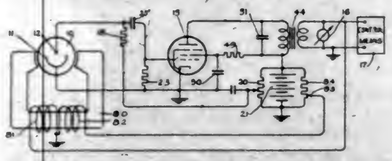
2,424,932
FILTER COMPRISING A SEDIMENT TRAP AND DRAIN OUTLET
Stephen Juhasz, Denver, Colo., assignor of fifty-one per cent to Oscar Menachof
Application August 31, 1945, Serial No. 613,905
7 Claims. (Cl. 210—165)



1. A filter comprising a receptacle having an inlet opening in its side wall near its top, a cover for said receptacle having an outlet opening in its upper end, a screen between the cover and the upper end of said receptacle, said receptacle having a threaded drain opening formed through its bottom and a depending neck surrounding the threaded drain opening, a sleeve screwed into the threaded drain opening and formed with a turning head at its lower end, a gasket between the neck and the turning head and forming a sealed joint, said sleeve having an opening through its inner end, a plug screwed into said sleeve and having a reduced inner end portion forming a valve member for blocking the lower end of the opening through the inner end of the sleeve, and a neck extending upwardly from the valve member and passing through the opening of the sleeve, said plug being formed with a longitudinally extending discharge passage leading from its lower end and communicating with a transversely extending passage formed through the lower portion of the valve member, said neck being formed with a threaded socket leading from its upper

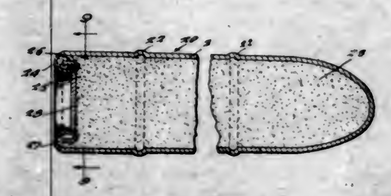
end, and an agitator in said receptacle including a vertically disposed post having a threaded stem at its lower end screwed into the socket leading from the upper end of the neck of said plug, said post having its lower end portion about its stem rounded to form a valve member for blocking the upper end of the opening through the inner end of the sleeve, the neck of the plug being of a length greater than the opening through the inner end of the sleeve whereby both valve members may be disposed out of blocking relation to the opening in the sleeve, and arms extending radially from said post at an incline for agitating gasoline in the receptacle and stirring up sediment at the bottom of the receptacle when the plug and the post are turned.

2,424,933
RADIATION METER
Henry P. Kalmus, Chicago, Ill.
Application January 6, 1944, Serial No. 517,223
5 Claims. (Cl. 250—41.5)



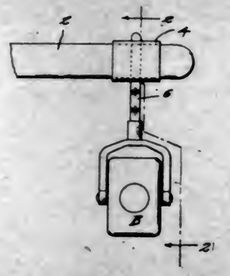
1. In combination, the electric circuit including a pair of spaced electrodes, means for producing electron flow between said electrodes and through said circuit in response to the impingement on one of said electrodes of electro-magnetic radiation of energy quanta at least equal to the work function of the material of said one electrode, means for producing undulating magnetic flux in the region of electron flow between said electrodes, the undulations of said flux recurring at a predetermined frequency, said flux being so directed through the region of electron flow as to have at least a component at right angles to the path of electron flow in such region, a narrow band tuned amplifier having input terminals and being resonant at a frequency equal to or a harmonic of said predetermined frequency, and means responsive to electron flow in said circuit for producing a corresponding voltage between said input terminals, whereby said amplifier amplifies only voltages arising from electron flow between said electrodes and not from leakage currents therebetween.

2,424,934
PROJECTILE
Melvin E. Kasper, Detroit, Mich.
Application November 17, 1944, Serial No. 563,872
4 Claims. (Cl. 102—45)



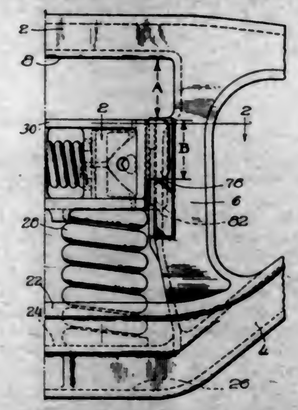
4. In a device of the character described, a hollow shell open at its rear end, a propulsive powder charge in said shell, a flange inwardly turned to form a receptacle at the open extremity of said shell, the extremity of said flange being turned toward the inner wall of the shell to form a detonating anvil, and a detonating charge in said receptacle.

2,424,935
HEARING AID ATTACHMENT FOR SPECTACLES
George P. Kimmel, Brookeville, Md.
Application December 18, 1944, Serial No. 568,746
9 Claims. (Cl. 179—107)



3. As a new article of manufacture, a hearing aid element, a forked member, means rockably mounting said element between the arms of said member, a longitudinally curved supporting rod rotatably carried by said member, and a retaining means carried by said rod for holding the latter on a support.

2,424,936
CAR TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 23, 1943, Serial No. 503,484
40 Claims. (Cl. 105—197)



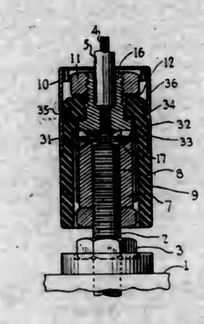
4. In a railway car truck, a side frame having spaced columns with friction faces, a bolster spring-supported between said columns with inboard and outboard guide means for engagement therewith, pockets in said bolster between said guide means opposite said faces, each of said pockets being defined by an inboard and an outboard web and an intermediate web merging with the top and bottom walls of said bolster, a friction shoe and wedge means in each pocket, said friction shoes engaging said faces respectively, resilient means under compression between said wedge means, each of said wedge means having

frictional engagement with the associated shoe and with an adjacent wall of said bolster, and positioning means on said wedge means for said resilient means, said positioning means and said resilient means extending through aligned openings in said intermediate webs.

2,424,937
INCENDIARY COMPOSITION
Harry K. Linzell, Long Lake, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 22, 1943, Serial No. 476,809
1 Claim. (Cl. 44—3)

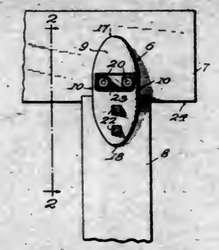
A heating mixture containing in addition to the stoichiometrical quantities of calcium sulfate and aluminum capable of reacting with each other, an additional quantity of not more than 95 percent of aluminum in excess of that required for reaction with the calcium sulfate, whereby the said excess in presence of the intense heat generated by the reaction burns in presence of the atmospheric oxygen to increase the further amount of heat generated.

2,424,938
ELECTRICAL CONNECTOR
Beverly A. Lundy, New York, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application May 3, 1944, Serial No. 533,836
1 Claim. (Cl. 173—269)



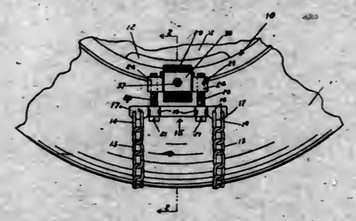
A device for electrically connecting a conductor to a binding post, including, in combination: an insulating shell, said insulating shell formed with an end wall formed with a through bore, a metallic shell positioned within the insulating shell and adapted to be pushed down over a cylindrical plug bearing identifying indicia electrically connected with a binding post, said shell formed with an end wall formed with a through bore; a metallic bushing formed with a through bore and shoulders and externally screw-threaded; a threaded nut for engagement with the thread of the bushing whereby the bushing may be passed through the through bore in the end wall of the insulating shell and the shoulders thereof bearing against the end wall of the metallic shell, the metallic shell may be held firmly in position by the application of the nut to the bushing and whereby a bared conductor may be passed through the bore of the bushing, means to attach the conductor to the bushing electrically; and a sleeve adapted to be passed down over the insulating shell for protecting the nut and bushing and bearing identifying indicia.

2,424,939
TRESTLE AND BRACKET THEREFOR
Malcolm B. Moyer, Syracuse, N. Y.
Application March 19, 1946, Serial No. 655,421
4 Claims. (Cl. 304—5)



1. A trestle bracket comprising a one-piece body having an upper portion to lie against one vertical side of a trestle stringer, a lower portion to lie against the outer side of a trestle leg, and bolt holes through said upper and lower portions; the inner side of said one-piece body being of stepped form, providing it with an upper stringer-abutting surface disposed in a vertical plane, with a lower inclined leg-abutting surface offset toward the outer side of said body from said stringer-abutting surface, and with a downwardly facing shoulder at the juncture of said upper and lower surfaces to seat upon the upper end of the trestle leg, said lower leg-abutting surface extending entirely to the vertical edges of said body to permit use of the bracket with a leg having greater width than said body.

2,424,940
CLAMPING DEVICE
John Muise, Everett, Mass.
Application June 7, 1946, Serial No. 675,228
3 Claims. (Cl. 152—233)

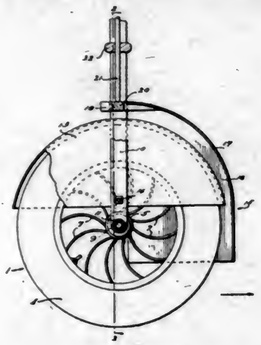


3. In a clamp for strap-type tire chains, a transverse bar having smooth vertical bores therethrough, chains secured to said bar, a headed screw member passed through said bores, a tranverse member having threaded bores therein aligned with said first-mentioned bores, a strap releasably secured to said transverse member for extending over the rim of a wheel, a member secured to the opposite end of said strap for engagement with the opposite ends of said chains, said strap being positioned in a vertical slot in said transverse member, and screw means securing said strap in said slot, said screw means including a bolt, a clamping plate, and a nut for said bolt.

2,424,941
WHEEL GEAR
Rawley H. Musser and Luster J. White, Salem, Va.
Application August 2, 1944, Serial No. 547,726
2 Claims. (Cl. 244—103)

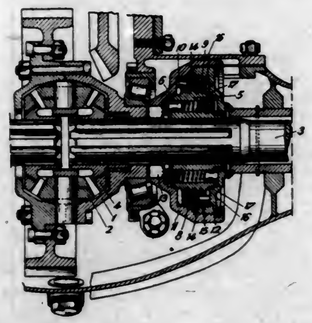
1. A wheel for use on landing gear of an airplane and rotation by air pressures caused by

flight of the airplane comprising a rim, a hub, and vanes connecting said rim and hub and each having the form of an isosceles trapezoid and a longitudinally curving spoke, said vanes flaring



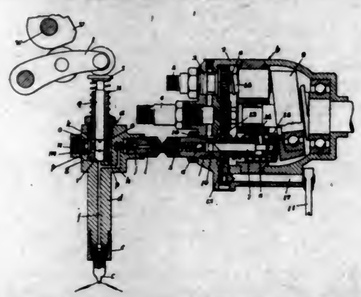
edgewise toward said rim and having side edge portions extending outwardly beyond the sides of the rim, said portions gradually increasing in width toward said rim.

2,424,942
SELF-LOCKING EQUALIZING DRIVE
Jacob Willem Mynssen, Schaffhausen, Switzerland, assignor to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland
Application December 31, 1943, Serial No. 516,455
In Switzerland November 26, 1942
8 Claims. (Cl. 74—315)



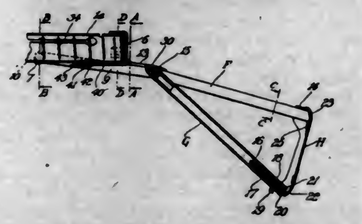
1. In a self-locking equalizing drive, particularly for motor vehicle, wheel-driving axles, driving gearing means provided with coupling means, two side wheel-driving axles for flexibly transmitting the drive from said gearing means separately for the individual axles, a screw thread carrier ring secured on each of said side axles, a screw nut having coupling means mating said gearing coupling means mounted on each of said rings, means for axially centering said screw nut relative to the associated screw thread carrier ring for obtaining bearing engagement solely between pairs of effectively cooperating screw thread flanks and means for locking the equalizing drive by shifting said nut axially of the associated ring into coupling engagement with said gearing means by virtue of said nut lagging behind said ring on abrupt undue rise in speed of revolution of the respective wheel-driving axle.

2,424,943
FUEL PUMP
Wilfrid Edward Walter Nicolls, Ealing, London, England, assignor to C. A. V. Limited, London, England
Application March 15, 1944, Serial No. 526,558
In Great Britain February 26, 1943
2 Claims. (Cl. 103—41)



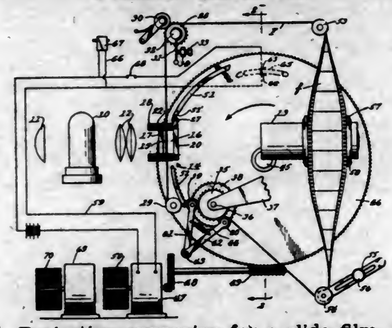
1. A liquid fuel pump having in combination a body, an inlet through which measured quantities of liquid fuel can be supplied under pressure to the inner end of a bore in the body, an actuating plunger slidable in the bore and extending through its outer end, a second plunger arranged coaxially with the actuating plunger in the inner end of the bore so that the second plunger is movable relatively to the actuating plunger by and to an extent dependent on the quantity of liquid fuel supplied to the inner end of the bore, the adjacent ends of the two plungers being spaced apart, ports which communicate under the control of the plungers with the space between the adjacent ends of the plungers, and through which an auxiliary liquid under pressure can flow into and out of the said space, an outlet through which liquid fuel supplied to the inner end of the bore can be discharged by movement imparted to the second plunger from the actuating plunger through the medium of the auxiliary liquid between the adjacent ends of the plungers, and means for imparting reciprocatory movements to the actuating plunger.

2,424,944
FOLDING STOCK FOR AUTOMATIC FIREARMS
George William Patchett, Chigwell, England
Application February 23, 1944, Serial No. 523,569
In Great Britain May 26, 1943
15 Claims. (Cl. 42—72)



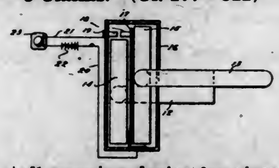
1. The combination of an automatic firearm comprising a casing having a main recoil spring therein, a butt pivoted to said casing to swing into an extended position at the rear of the firearm and into a folded position along the length thereof, and means biased by said main recoil spring for holding the butt in said extended position.

2,424,945
FILM SLIDE PROJECTION APPARATUS
Carleton C. Pierce, Jr., Washington, D. C.
Application August 31, 1944, Serial No. 552,043
6 Claims. (Cl. 88—28)



1. Projection apparatus for a slide film, comprising a feed roller for the film, means including a revoluble drive member for intermittently driving said roller whereby to feed said film a frame at a time, clamping means comprising two members between which the film passes for projection and of which one is movable to and away from clamping relation to the other, a revoluble cam member, a follower for said cam member in connection with said movable clamping member and intermittently engageable by said cam member to move said movable clamping member away from the other clamping member, return means for said movable clamping member, and means for driving said revoluble members in a constant relation comprising a rotary member on which said drive member and cam member are both mounted, said cam member having an action beginning just before the driving action of said drive member and ending immediately thereafter.

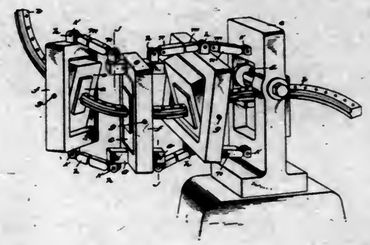
2,424,946
STALL WARNING DEVICE
Walter Wood Remy, Angola, Ind.
Application March 21, 1945, Serial No. 583,883
3 Claims. (Cl. 177—311)



1. In a stall warning device for aircraft having a wing, two oppositely disposed pressure sensitive elements facing the leading and trailing edges of the wing, and so positioned that during level flight the pressure on the forwardly facing element exceeds that on the rearwardly facing element, and an indicator operable upon reversal of said pressure occasioned by reversal of the air flow over the wing.

2,424,947
APPARATUS FOR FLANGING SHEET METAL STRIPS
Geoffrey Leonard Freeman Welham, South Ruislip, England, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England
Application January 15, 1946, Serial No. 641,315
In Great Britain December 12, 1944
3 Claims. (Cl. 153—3)

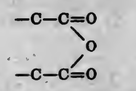
1. Mechanism for flanging sheet metal plates, strips and the like, comprising an abutment, a plurality of outer frames, a plurality of inner frames supported within said outer frames for pivotal movement about a first axis, forming means mounted within said inner frames, links connecting said outer frames together and connecting at least one of said outer frames with said abutment, and means pivoting said links to said



outer frames about second and third intersecting axes, at least one of said two last-mentioned axes being angularly disposed with respect to said first axis, whereby said inner frames are movable with respect to each other about a plurality of angularly related axes permitting flanging of work curved in a plurality of planes.

2,424,948
PROCESS FOR REMOVING CYCLOPENTADIENE FROM FORERUNNINGS
Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application November 29, 1943, Serial No. 512,253
2 Claims. (Cl. 260—342.4)

1. The process for removing cyclopentadiene from a forerunnings fraction with an endpoint distilling temperature of not more than 60 degrees C. obtained by fractionating the light oil produced in the by-product coking of coal, which comprises directly reacting the cyclopentadiene in the said forerunnings with an α,β unsaturated carbonyl compound containing the group

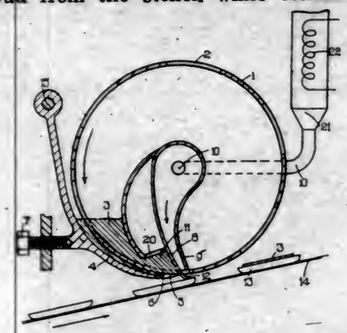


while maintaining the reaction temperature at not more than 15 degrees C., thereby preventing any substantial polymerization of the cyclopentadiene, and recovering the resulting substantially pure reaction product by filtration.

2,424,949
COATING OF ARTICLES
Percy White, Earlestown, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England
Application November 25, 1944, Serial No. 565,125
In Great Britain November 8, 1943
Section 1, Public Law 690, August 8, 1946.
Patent expires November 8, 1963
2 Claims. (Cl. 107—54)

1. A method of applying a layer of plastic material to an article consisting in taking up plastic material within the confines of an opening in a stencil plate and then progressively applying fluid pressure to the wad confined within said opening

from one side to the other to progressively eject the wad from the stencil while confining the



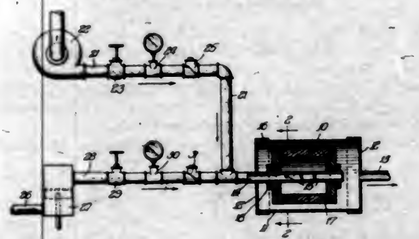
progressively diminishing remaining part of the wad in the stencil.

2,424,950

APPARATUS FOR MAKING CONFECTIONERY

Justin J. Alikonis, Bloomington, Ill., assignor to Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois

Application February 28, 1945, Serial No. 580,175
6 Claims. (Cl. 261—94)



1. Apparatus for processing confectionery and like stock, comprising the combination of means for supplying a gaseous medium under pressure, means for supplying a mass of viscous liquid stock to be processed under pressure, a diffuser communicating with and supplied with said medium and stock by said means, said respective means for supplying gaseous medium and stock being operatively connected to one another to effect preliminary admixture of the medium and stock substantitally prior to treatment by said diffuser, said diffuser comprising a rigid porous diffusion element disposed for passage of said preliminarily treated medium and stock therethrough under pressure, to thereby thoroughly admix the medium and stock and diffuse the former throughout the latter, and a receiving chamber in spaced relation to said element on the side thereof opposite that to which the medium and stock are supplied.

2,424,951

PROCESS OF MAKING MIXTURES OF EMULSIFYING AND WETTING AGENTS

Alfred R. Globus, Forest Hills, N. Y.

No Drawing. Application September 19, 1946, Serial No. 697,906
6 Claims. (Cl. 252—353)

1. The process of producing, as an end product, a mixture of chemical compounds having pronounced emulsifying, dispersing and wetting properties which consists in sulfonating a cycloaliphatic hydrocarbon by the use of an excess of concentrated sulfuric acid over the amount called for by the reaction equation sufficient to insure a substantial residuum of active free sulfuric acid in the product of this step, making a substantially saturated solution of the product of this step in chilled water, heating the saturated solution to at least 60° C. and effecting an absorption of the excess sulfuric acid content thereof by the addition of an unsaturated aliphatic acid, the molecule of which has at least one double bond and comprises at least ten carbon atoms, and then neutralizing the mixture of acids thus formed by adding thereto an ethanolamine, that will combine with each acid to form a salt thereof.

2,424,952

WAX EMULSIONS

James Otis Handy, Orlando, Fla., assignor to Duzzel Corporation, Dover, Del., a corporation of Delaware

No Drawing. Application August 22, 1945, Serial No. 612,140
11 Claims. (Cl. 99—168)

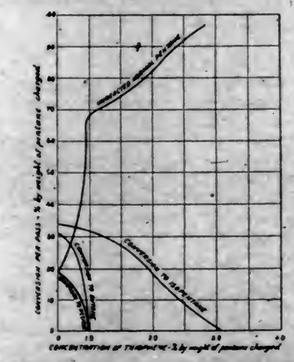
1. The process of preparing an emulsion for application to fruit and vegetables to retard decay and minimize shrinkage which consists in heating candelilla wax and oleic acid to a temperature between 190° and 212° Fahrenheit; adding, while maintaining the temperature between 190° Fahrenheit and the boiling point, an aqueous solution of sodium hydroxide in an amount sufficient to saponify the fats and fatty acids; adding water under stirring of the mixture while maintaining a temperature between 190° and the boiling point until a dilution containing between 10% and 30% solids is reached; and adding an aqueous solution of shellac in ammonia.

2,424,953

ISOMERIZATION OF PARAFFINS IN THE PRESENCE OF NASCENT ALUMINUM HALIDE AND A HETEROCYCLIC COMPOUND

Claude G. Myers, Bryn Mawr, Pa., and Rowland C. Hansford and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application June 30, 1945, Serial No. 602,440
12 Claims. (Cl. 260—683.5)



8. In the process which involves subjecting a paraffinic hydrocarbon having five to seven carbon atoms inclusive, to an isomerization reaction, which includes contacting said hydrocarbon in a reaction zone under isomerization reaction conditions, with a nascent aluminum halide isomerization catalyst formed in said reaction zone under said isomerization reaction conditions; the improvement which comprises effecting said isomerization reaction in the presence of material selected from the group consisting of thiophene, furfuraldehyde, furan, pyridine, piperidine, α-picoline, carbazole, indole, and quinoline, in amounts permitting the isomerization reaction and sufficient to materially suppress side reactions.

2,424,954

METHOD OF PREPARING HECTOGRAPHIC INK

Douglas A. Newman, Port Washington, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York

No Drawing. Application August 11, 1943, Serial No. 498,256
7 Claims. (Cl. 106—22)

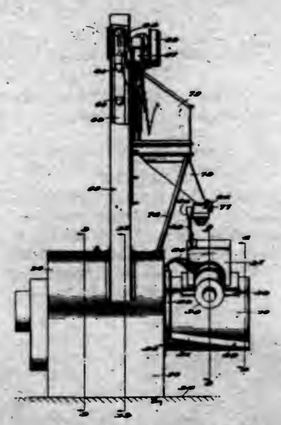
1. The method of preparing a hectographic ink, the coloring matter of which is composed of a plurality of water-soluble dyes of different colors, which comprises simultaneously and rapidly precipitating the dyes from a solution thereof in an aqueous solvent, while agitating the solution, to produce a residue of complex crystals wherein the several component dyes are present only in micro-crystalline form, and incorporating the complex dye crystals in a vehicle of the class consisting of oils and waxes.

2,424,955

TUMBLING MILL

Percy J. Potter, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application September 26, 1944, Serial No. 555,841
12 Claims. (Cl. 51—9)



12. In a tumbling mill for blasting a batch of articles and in combination, an oscillating drum, an abutment projecting inwardly from the inner wall of the drum and extending from end to end thereof and of a width substantially the same as the depth of the batch of articles placed in the drum for treatment, means movable in synchronism with the drum for propelling into the drum, in a chordal direction, a blast stream having an oblong impingement pattern with its longer axis substantially parallel to the axis of the drum, and means for moving the drum about its axis for causing the abutment to move laterally and upwardly the batch of articles to successively bring portions thereof above the angle of repose and cause the same to progressively cascade through said stream.

2,424,956

SYNTHETIC LUBRICANT

Orland M. Reiff, Woodbury, Howard D. Hartough, Pitman, and Harry J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application June 13, 1944, Serial No. 540,132
9 Claims. (Cl. 252—59)

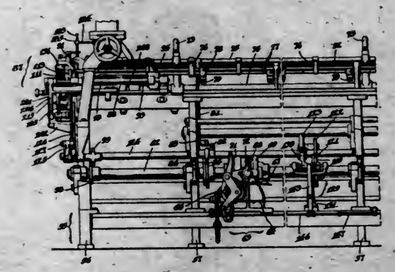
1. The method of preparing a synthetic lubricant of low pour point and susceptible of substantial pour point lowering, from a crystalline paraffin wax having a melting point not greater than about 140° F. and a xylene, which comprises: partially halogenating the paraffin wax to form a mixture of halogenated wax and substantially unhalogenated wax, said mixture being selected from the group consisting of a mixture containing an amount of halogen corresponding to from 12 to 27 percent chlorine; mixing the halogenated wax and unhalogenated wax with said xylene in the proportion of at least one mol of xylene to each atom of halogen in the halogenated wax mixture; adding thereto a catalyst capable of effecting a Friedel-Crafts type condensation; heating the mixture thus obtained at a Friedel-Crafts condensation temperature until substantially all of the halogenated wax has reacted with said xylene; and separating the Friedel-Crafts catalyst, unreacted xylene and unhalogenated wax from the reaction mixture, so obtained, to obtain said synthetic lubricant.

2,424,957

FASHIONING MEANS AND METHOD FOR KNITTING MACHINES

Richard E. Schletter, Elkins Park, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application January 16, 1943, Serial No. 472,636
30 Claims. (Cl. 66—89)



1. In a straight knitting machine, the combination with threaded end stop and comb moving spindles of means for turning said end stop spindles adapted to turn them simultaneously enough in one step in the widening direction to move the end stops at both ends of the machine twice the distance between adjacent needles and adapted to turn the comb spindles to move the combs in the widening direction a distance equal to the movement of the end stops but in two steps, and means for turning said end stop spindles and said comb spindles in the narrowing direction to move the end stops and combs to narrow the fabric.

DESIGNS

JULY 29, 1947

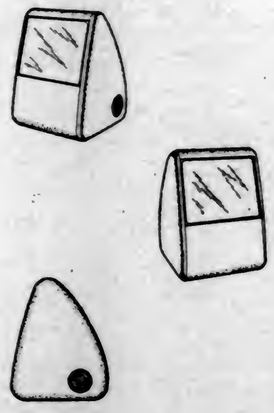
147,211
DESIGN FOR A COMBINED SCORE TABLE AND SCORE PROJECTOR OR SIMILAR ARTICLE
Robert I. Anderson, Grand Haven, and Bert Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application March 13, 1946, Serial No. 127,451
Term of patent 14 years
(Cl. D34—5)





The ornamental design for a combined score table and score projector or similar article, as shown.

147,212
DESIGN FOR A PHOTOGRAPHIC FILM PROJECTOR
Alfred M. Davock, Birmingham, Mich., assignor to The Jam Handy Organization, Inc., Detroit, Mich., a corporation of Delaware
Application June 5, 1946, Serial No. 130,416
Term of patent 7 years
(Cl. D61—1)



The ornamental design for a photographic film projector, substantially as shown.

147,213
DESIGN FOR AN EAR CLIP OR SIMILAR ARTICLE
Sigmund Dawer, New York, N. Y.
Application July 16, 1946, Serial No. 131,609
Term of patent 3½ years
(Cl. D45—9)



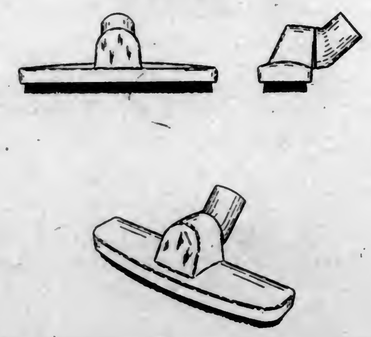
The ornamental design for an ear clip or similar article, substantially as shown.

147,214
DESIGN FOR AN EAR CLIP OR SIMILAR ARTICLE
Sigmund Dawer, New York, N. Y.
Application July 16, 1946, Serial No. 131,610
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an ear clip or similar article, substantially as shown.

147,215
DESIGN FOR A BRUSH FOR A SUCTION CLEANER OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 15, 1946, Serial No. 132,563
Term of patent 14 years
(Cl. D9—2)



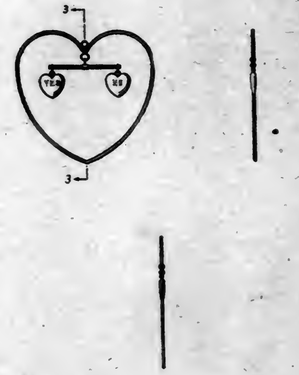
The ornamental design for a brush for a suction cleaner or similar article, as shown.

147,216
DESIGN FOR A PIPE RACK
Frederic H. Fisher, Syracuse, N. Y., assignor to Syracuse Ornamental Co. Inc., Syracuse, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 129,522
Term of patent 7 years
(Cl. D85—8)



The ornamental design for a pipe rack, substantially as shown.

147,217
DESIGN FOR A PENDANT OR SIMILAR ARTICLE
Oscar Guth, New York, N. Y.
Application January 26, 1946, Serial No. 126,008
Term of patent 3½ years
(Cl. D45—15)



The ornamental design for a pendant or similar article, as shown.

147,218
DESIGN FOR A BELT BUCKLE
John R. Hampel, Pewaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 24, 1946, Serial No. 130,058
Term of patent 14 years
(Cl. D17—1)



The ornamental design for a belt buckle, as shown.

147,219
DESIGN FOR A TOY DOG
Bertha M. Lochridge, Syracuse, N. Y.
Application August 28, 1946, Serial No. 132,909
Term of patent 14 years
(Cl. D34—2)



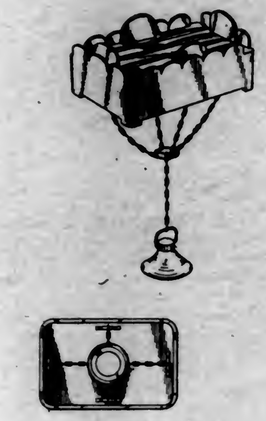
The ornamental design for a toy dog, as shown.

147,220
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Abraham Naidish, North Bergen, N. J.
Application August 21, 1946, Serial No. 132,698
Term of patent 3½ years
(Cl. D3—4)



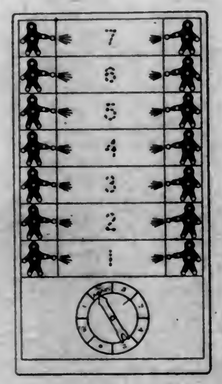
The ornamental design for a sweater or similar article, substantially as shown and described.

147,221
DESIGN FOR A SOAP DISH
Lloyd Sahley, Cleveland, Ohio
Application November 5, 1945, Serial No. 123,478
Term of patent 3½ years
(Cl. D4—3)



The ornamental design for a soap dish, as shown.

147,222
DESIGN FOR A GAME BOARD
Lillian Streib, Stratford, Conn.
Application March 2, 1946, Serial No. 127,045
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

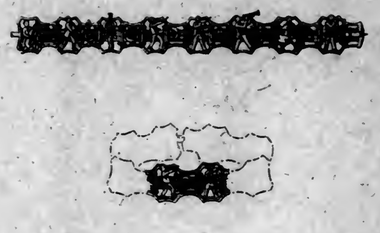
147,223
DESIGN FOR PAPER OR THE LIKE
Errington A. Whiteford, Darien, Conn.
Application September 20, 1946, Serial No. 133,441
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for paper or the like, as shown and described.

600 O. G.—53

147,224
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
David Damosa Zakwin, Los Angeles, Calif.
Application June 29, 1946, Serial No. 131,173
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ahlgrens, F., Tekniska Fabrik Aktiebolag, Gavle, Sweden. Bronchial tablets and pastilles. Serial No. 487,406; July 29. Class 6.

Alabe Crafts, Cincinnati, Ohio. Amusement device. Serial No. 509,262; July 29. Class 22.

Albion, Charles M., assignee: *See*—
Chal-Yon Corporation.

Allegheny Ludlum Steel Corporation, Brackenridge & Pittsburgh, Pa. Tool steel bars. Serial No. 513,008–11; July 29. Class 14.

American Dietaids Company, Inc., Yonkers, N. Y. Low calorie imitation mayonnaise. Serial No. 512,560; July 29. Class 46.

American Dietaids Company, Inc., Yonkers, N. Y. Gelatin desserts. Serial No. 512,562; July 29. Class 46.

Anabolic Food Products, Inc., Los Angeles, Calif. Multivitamin, multi-mineral product. Serial No. 508,697; July 29. Class 6.

Ashland Rubber Works: *See*—
Faultless Rubber Company, The.

Avigdor, Albert, doing business as Standard Editions Company, New York, N. Y. Series of foreign-language instruction books. Serial No. 455,470; July 29. Class 38.

Avon Products, Inc., New York, N. Y. Lipstick, nail polish, and rouge. Serial No. 509,687; July 29. Class 6.

Barr Foods, Inc., Oakland, Calif. Potato chips and salted nuts. Serial No. 506,727; July 29. Class 46.

Berk-Ray Corporation, New York, N. Y. Children's snow suits and men's and boys' jackets and shirts. Serial No. 508,510; July 29. Class 39.

Biro Manufacturing Company, The, Marblehead, Ohio. Power driven band saw meat, fish, and bone cutters. Serial No. 496,536; July 29. Class 23.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial No. 502,261; July 29. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Bending and straightening tools. Serial No. 482,458; July 29. Class 23.

Blossom Acres Ranch: *See*—
Meyer, Horace J.

Borden Company, The, New York, N. Y. Vitamin fortified food supplement. Serial No. 513,097; July 29. Class 46.

Borel, Ernest, & Co., Successeurs de Borel-Courvoisier S. A., Neuchatel, Switzerland. Watches, clocks, alarm clocks, etc. Serial No. 503,863; July 29. Class 27.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, Passaic, N. J., now by change of name Botany Mills, Inc. Woolen piece goods. Serial No. 511,447; July 29. Class 42.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Lubricant for surgical instruments. Serial No. 512,962; July 29. Class 6.

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Sloe gin. Serial No. 507,618; July 29. Class 49.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Insect repellent. Serial No. 506,419; July 29. Class 6.

Carbographic Studios, Chicago, Ill. Luminescent measuring rules. Serial No. 516,171; July 29. Class 26.

Carmachrome: *See*—
Carman, Robert C.

Carman, Robert C., doing business as Carmachrome, Canton, Ohio. Chromium polish. Serial No. 509,395; July 29. Class 4.

Catalina, Inc., Los Angeles, Calif. Clothing. Serial No. 504,252; July 29. Class 39.

Chal-Yon Corporation, Boston, Mass. Medicinal preparation. Serial No. 514,326; July 29. Class 6.

Chal-Yon Corporation, Boston, assignor to J. Christie and C. M. Albion, doing business as Christie and Albion, Brockton, Mass. Medicinal preparation. Serial No. 514,327; July 29. Class 6.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Animal shearing and clipping machines, hand-pieces for shearing and clipping machines, and parts thereof. Serial No. 488,193; July 29. Class 23.

Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Lawn mowers. Serial No. 488,197; July 29. Class 23.

Christie and Albion: *See*—
Chal-Yon Corporation.

Christie, James, assignee: *See*—
Chal-Yon Corporation.

Clairol Incorporated, Stamford, Conn. Liquid peroxide. Serial No. 508,789; July 29. Class 6.

Coastal Valley Canning Co., Oxnard, Calif. Canned pimentos. Serial No. 512,239; July 29. Class 46.

Continental Coffee Company, Chicago, Ill. Roasted coffee. Serial No. 503,060; July 29. Class 46.

Cooper, Cyrus, Inc., New York, N. Y. Medicinal preparation. Serial No. 508,793; July 29. Class 6.

Crespin, J., & M. Laurens-Frings & Cie., doing business as Zofaly, Paris, France. Perfumes and toilet waters. Serial No. 509,400; July 29. Class 6.

Crop King Company: *See*—
Oil Sprays, Inc.

Culbertson Investment Company, also doing business as Geo. C. Power Lemon Ranch, Ventura, Calif. Fresh citrus fruits. Serial No. 508,104; July 29. Class 46.

Danbury Rubber Company, Inc., Danbury, Conn. Rubber and synthetic rubber. Serial No. 501,239; July 29. Class 50.

Davis Millwork Company, Forty Fort, Pa. Kitchen cabinets. Serial No. 511,676; July 29. Class 32.

Dearborn Supply Company, Chicago, Ill. Astringent face cream, and powder base. Serial No. 512,489; July 29. Class 6.

Dejur-Amsco Corporation, Long Island City, N. Y. Motion picture projectors. Serial No. 510,573; July 29. Class 26.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. Serial No. 514,594; July 29. Class 6.

Electra Voice Corporation, Chicago, Ill. Diatherm equipment. Serial No. 509,834; July 29. Class 44.

Equipment Repair & Manufacturing Company, Denver, Colo. Tractors, tractor-drawn rippers and trailers, etc. Serial No. 503,065; July 29. Class 23.

Faultless Rubber Company, The, also doing business as Ashland Rubber Works, Ashland, Ohio. Rubber sponges. Serial No. 521,733; July 29. Class 1.

Fernandez, Manuel, Co., S. A., Habana, Cuba. Cordials and liqueurs. Serial No. 506,301; July 29. Class 49.

Fibrcan Corporation, New York, N. Y. Material or waste cans. Serial No. 502,961; July 29. Class 2.

Fitts Cotton Goods Company, Atlanta, Ga. Infants' diapers. Serial No. 511,678; July 29. Class 39.

Flagship Engine Company: *See*—
Owens Yacht Company.

Florence-Merrick Grocery Co., Inc., Forest Hills, N. Y. Processed foods. Serial No. 503,891; July 29. Class 46.

Flores, Francisco, Espinardo, Spain. Spanish paprika. Serial No. 501,655; July 29. Class 46.

Food Machinery Corporation, San Jose, Calif. Shallow well pumping apparatus. Serial No. 495,541; July 29. Class 23.

Foster, Charles, & Company, New York, N. Y. Optical goods. Serial No. 515,495–6; July 29. Class 26.

Franklin Leather Goods Co., Inc., Newark, N. J. Traveling bags and suit cases. Serial No. 506,807; July 29. Class 3.

Frederick, Fred J., doing business as Frederick Soap & Chemical Co., Los Angeles, Calif. Soap and cleaning compounds. Serial No. 509,087; July 29. Class 4.

Frederick Soap & Chemical Co.: *See*—
Frederick, Fred J.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. Serial No. 505,573; July 29. Class 26.

George, Arthur, & Co., Inc., New York, N. Y. Finger rings. Serial No. 515,759; July 29. Class 28.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Horse feed. Serial No. 509,653; July 29. Class 46.

Greiner, Earl H., Pemberville, Ohio. Automotive vehicles. Serial No. 510,249; July 29. Class 19.

Handman, Maurice, doing business as Maurella Products Co., assignor to Maurella Products Company, Inc., New York, N. Y. Bath preparations. Serial No. 482,532; July 29. Class 6.

Hansen Manufacturing Company Incorporated, Princeton, Ind. Electrical motors. Serial No. 511,611; July 29. Class 21.

Jacobson, Serge G., New York, N. Y. Watches, watch movements, watch cases, etc. Serial No. 515,429; July 29. Class 27.

Jetoba Company, The, Overland Park, Kans. Children's slippery slides. Serial No. 509,009; July 29. Class 22.

Kaluk Products Co.: *See*—
Koehler, Herbert M.

Kelite Products, Inc., Los Angeles, Calif. Liquid for cleaning automotive and engine parts. Serial No. 509,851; July 29. Class 4.

King Extract Company, San Francisco, Calif. Flavoring extracts. Serial No. 509,582; July 29. Class 46.

Kitray Products Company: *See*—
Nosek, Kathryn I.

Klutch, Joseph, doing business as Slender Theme Fashions, New York, N. Y. Novelty products. Serial No. 480,071; July 29. Class 50.

Koehler, Herbert M., doing business as Kaluk Products Co., Rochester, N. Y. Liquid cleaner and liquid metal polish. Serial No. 506,533; July 29. Class 4.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 500,310; July 29. Class 28.

La S. A. R. L. Usilame (Société à Responsabilités Limitées) Paris, France. Razor blades. Serial No. 499,336; July 29. Class 23.

Limestone Products Corporation of America, Newton, N. J. Pulverized limestone. Serial No. 511,690; July 29. Class 1.

Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. Serial No. 511,691; July 29. Class 1.

Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. Serial Nos. 511,694–5; July 29. Class 1.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 512,334; July 29. Class 46.

Masco Corporation, Chicago, Ill. Magnetic toy figures. Serial No. 508,911; July 29. Class 22.

Matulich, T. J., doing business as T. J. Matulich Co., Watsonville, Calif. Fresh vegetables. Serial No. 507,739; July 29. Class 46.

Matulich, T. J., Co.: *See*—
Matulich, T. J.

Maurella Products Co.: *See*—
Handman, Maurella.

Maurella Products Company, Inc., assignee: *See*—
Handman, Maurice.

McNeill and McNeill, Los Angeles, Calif. Table cloths, window curtains, and towels. Serial No. 509,022; July 29. Class 42.

Meyer, Horace J., doing business as Blossom Acres Ranch, Paso Robles, Calif. Roasted salted almonds. Serial No. 498,433; July 29. Class 46.

Miller, J. C., Company, Grand Rapids, Mich. Buffing compound. Serial No. 509,095; July 29. Class 4.

Mineral Research, Incorporated, Des Moines, Iowa. Vitaminic nutritional supplement preparations. Serial No. 513,266; July 29. Class 6.

Monitor Process Corporation, Jersey City, N. J. Refrigerated liquid dispensing device and commercial refrigerated storage cabinets. Serial No. 518,730; July 29. Class 31.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 514,214; July 29. Class 6.

Muncie Gear Works, Inc., Muncie, Ind. Heat pumps. Serial No. 513,450; July 29. Class 34.

Nosek, Kathryn I., Arlington, Calif., doing business as Kitray Products Company. Sachet pads and sachet in the shape of miniature dolls and pillows. Serial No. 513,270; July 29. Class 40.

Nussbaum and Bruckner, New York, N. Y. Infant girls', girls', and women's garments. Serial No. 511,035; July 29. Class 39.

Oil Sprays, Inc., also doing business as Crop King Company, Yakima, Wash. Hormone spray containing naphthalene-acetic acid. Serial No. 506,339; July 29. Class 6.

Old Dutch Mustard Co., Inc., Brooklyn, N. Y. Prepared mustard. Serial No. 493,075; July 29. Class 46.

Owens Yacht Company, doing business as Flagship Engine Company, Dundalk, Baltimore, Md. Internal combustion engines, and engine parts. Serial No. 485,417; July 29. Class 23.

Paramount Photo Service, Ridgefield, N. J. Photoprints. Serial No. 512,284; July 29. Class 38.

Peerless Precision Products, Providence, R. I. Bench fixture or fixture for machine tools. Serial No. 492,458; July 29. Class 23.

Pessl, Helene, Inc., New York, N. Y. Face powder, rouge, lipstick, etc. Serial No. 509,673; July 29. Class 6.

Polyplastex: *See*—
Riley, Herbert W. E.

Power, Geo. C., Lemon Ranch: *See*—
Culbertson Investment Company.

Preco Incorporated, Los Angeles, Calif. Hydraulic presses. Serial No. 497,198; July 29. Class 23.

Reese, Stephanie R., Minneapolis, Minn., doing business as Universal Wood Products Co., assignor to Universal Wood Products Co. Clothes drying rack. Serial No. 493,981; July 29. Class 24.

Reilly-Whiteman-Walton Company, Conshohocken, Pa. Fatty oils, modified by alcoholysis. Serial No. 503,673; July 29. Class 4.

Richmond-Chase Company, San Jose, Calif. Canned fruits. Serial No. 501,409; July 29. Class 46.

Riley, Herbert W. E., doing business as Polyplastex, Elmhurst, N. Y. Composite fabric sheets of glass fibre webs or mats. Serial No. 508,922–5; July 29. Class 1.

Roger & Gallet, New York, N. Y. Perfumes, toilet waters, lipsticks, etc. Serial No. 508,859; July 29. Class 6.

Rogerson, Wm., & Co. Limited, Bradford, England. Silk piece goods. Serial No. 511,419; July 29. Class 42.

Rougier Freres Compagnie Inc., Montreal, Quebec, Canada. Anti-dyspnoeic and anti-asthmatic pharmaceutical products. Serial No. 508,616; July 29. Class 6.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asbestos-cement siding. Serial No. 519,100; July 29. Class 12.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. Serial No. 510,803; July 29. Class 46.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Pullorum disease stained antigen, medicated oil, insect powder, etc. Serial No. 507,542; July 29. Class 6.

Sanders, Alfred B., doing business as Sanders Midwest Agents, Minneapolis, Minn. Wrapping paper. Serial No. 492,226; July 29. Class 37.

Sanders Midwest Agents: *See*—
Sanders, Alfred B.

Schaper, Harry C., Niagara Falls, N. Y. Weighing scales. Serial No. 512,023; July 29. Class 26.

Schenley Distributors, Inc., New York, N. Y. Whiskey. Serial No. 483,634; July 29. Class 49.

Schwartz Mfg. Company, The, Baltimore, Md. Outer wearing apparel. Serial No. 506,696; July 29. Class 39.

Shanda Laboratories, Inc., Union City, N. J. Soldering flux. Serial No. 511,355; July 29. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in antibacterial therapy. Serial No. 514,136–7; July 29. Class 6.

Slender Theme Fashions: *See*—
Klutch, Joseph.

Soil-Off Manufacturing Co., Glendale, Calif. Preparation for removing spots and stains from wearing apparel. Serial No. 509,171; July 29. Class 4.

Speidel Corporation, Providence, R. I. Bracelets. Serial No. 515,725; July 29. Class 28.

Standard Editions Company: *See*—
Avigdor, Albert.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Synthetic Yarns, Inc. (Mass.), Lowell, Mass. Yarns. Serial No. 503,953; July 29. Class 43.

Tetco Co., Los Angeles, Calif. Portable fire extinguishers. Serial No. 513,224; July 29. Class 23.

Titan Valve and Manufacturing Company, The, Cleveland, Ohio. Thermostatic controls. Serial No. 515,343; July 29. Class 26.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Dielectric material and supplies. Serial No. 511,116; July 29. Class 1.

Underwood Corporation, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 514,075; July 29. Class 11.

United States Hoffman Machinery Corporation, New York, N. Y. Shaping and drying forms and related appliances of the type used in cleaning, dyeing, etc., establishments. Serial No. 512,939; July 29. Class 24.

Universal Shredder Company: *See*—
Willits, Charles W.

Universal Wood Products Co., assignee: *See*—
Reese, Stephanie R.

Vokes Limited, Guildford, England. Air filters and oil filters. Serial No. 512,881; July 29. Class 31.

West Disinfecting Company, Long Island City, N. Y. Disinfectants. Serial No. 508,764; July 29. Class 6.

Western Marketing Company, assignor to Western Marketing Company, Glendale, Ariz. Fresh vegetables. Serial No. 500,195; July 29. Class 46.

Whisnant, Georgia B., Washington, D. C. Frozen desserts. Serial No. 508,196; July 29. Class 46.

Willits, Charles W., doing business as Universal Shredder Company, Saginaw, Mich. Self-feeding shredding machine. Serial No. 486,186; July 29. Class 23.

Zamax Manufacturing Co., Inc., Haverstraw, N. Y. Hand operated vehicle jack. Serial No. 512,359; July 29. Class 23.

Zofaly: *See*—
Crespin, J., & M. Laurens-Frings & Cie.

LIST OF REGISTRANTS OF TRADE-MARKS

Adams Plastics Co., Inc., Holyoke, Mass. Cutlery handles and picker sticks. 431,617; July 29; Serial No. 502,609; published May 6, 1947. Class 23.

Affiliated Products, Inc., New York, N. Y. Soap. 431,632; July 29; Serial No. 505,675; published Apr. 29, 1947. Class 4.

Air Cleaner Service Company: *See*—
Simonsen, Charles W.

Airite Corporation, The, Stamford, Conn. Air conditioners of the humidifier heating and cooling type. 431,641; July 29; Serial No. 506,361; published May 6, 1947. Class 34.

Allied Chemical & Dye Corporation, New York, N. Y. Felt base shingles. 431,630; July 29; Serial No. 505,469; published May 6, 1947. Class 12.

American Fluresit Company, The, Cincinnati, Ohio. Materials for rendering mortar and hydraulic cement materials waterproof, etc. 431,656; July 29; Serial No. 508,956; published Apr. 22, 1947. Class 12.

American Mohawk Company, New York, N. Y. Oil burners, 431,601; July 29; Serial No. 498,973; published Apr. 22, 1947. Class 34.

American Needlecrafts, Inc., New York, N. Y. Handkerchief cases, lingerie cases, cosmetic cases, etc. 431,589; July 29; Serial No. 494,419; published Apr. 8, 1947. Class 2.

American Radiator Company, East Orange, N. J., Chicago, Ill., New York, N. Y., Philadelphia, Pa., Boston, Mass., London, England, Paris, France, and Berlin, Germany, to American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Boilers and heaters. 58,433; re-renewed Dec. 18, 1946. O. G. July 29. Class 34.

American Radiator & Standard Sanitary Corporation: *See*—
American Radiator Company.

Armstrong Cork Company, Manheim Township, Lancaster County, Pa. Acoustical insulation. 431,615; July 29; Serial No. 502,180; published Apr. 22, 1947. Class 12.

Asbestos Supply Company of Seattle, Seattle, Wash. Furnace cement and hot water tank covers. 431,645; July 29; Serial No. 506,854; published Apr. 15, 1947. Class 12.

Atlas-Ansonia Company, The, North Haven, Conn. Rope tighteners, combination garden rakes and hoes, knife sharpeners, etc. 431,673; July 29; Serial No. 510,154; published May 6, 1947. Class 23.

Automatic Temperature Control Co., Inc., Philadelphia, Pa. Electric motorized operators for valves; electric motorized controls; electric motorized drives, etc. 431,667–8; July 29; Serial Nos. 509,815–16; published May 6, 1947. Class 21.

Bagpak, Inc., New York, N. Y. Multi-wall paper bags. 431,608; July 29; Serial No. 499,752; published Apr. 22, 1947. Class 2.

Baker, Joseph E., Newark, Ohio. Table place mats, bath tub mats, kitchen sink mats, etc. 431,606; July 29; Serial No. 499,195; published Apr. 29, 1947. Class 50.

Banta, George, Publishing Company, Menasha, Wis. Magazines and books. 228,359; renewed May 31, 1947. O. G. July 29. Class 38.

Basca Manufacturing Co., Inc., Indianapolis, Ind. Milk bottle caps. 431,607; July 29; Serial No. 499,196; published Apr. 29, 1947. Class 50.

Beaunit Mills, Inc.: *See*—
Luxuray, Inc.

Beldam Packing & Rubber Co. Limited, London, England. Asbestos fibre for lagging, asbestos covering for boilers, pipes, etc. 431,680; July 29; Serial No. 511,442; published Apr. 15, 1947. Class 12.

Bendix Aviation Corporation, Teterboro, N. J. Electric motors, generators, magnetos, etc. 431,622; July 29; Serial No. 503,418; published May 6, 1947. Class 21.

Booster Glove Co.: *See*—
Booster Glove Company, The.

Booster Glove Company, The, to Norman Rivkin, doing business as Booster Glove Co., Chicago, Ill. Combined leather and fabric gloves. 220,052; renewed Nov. 2, 1946. O. G. July 29. Class 39.

Booster Glove Company, The, to Norman Rivkin, doing business as Booster Glove Co., Chicago, Ill. Combined leather and fabric gloves. 220,065; renewed Nov. 2, 1946. O. G. July 29. Class 39.

Borg-Warner Corporation, Chicago, Ill. Refrigerator parts and accessories. 431,688; July 29; Serial No. 515,154; published May 6, 1947. Class 31.

Brill Metal Fabricators, Jersey City, N. J. Hampers and garbage cans. 431,690; July 29; Serial No. 516,059; published May 6, 1947. Class 2.

Bullard Company, The, Bridgeport, Conn. Machine tool. 431,594; July 29; Serial No. 496,884; published Apr. 29, 1947. Class 23.

Capewell Horse Nail Company, The, to The Capewell Manufacturing Company, Hartford, Conn. Horse nails. 228,103; renewed May 24, 1947. O. G. July 29. Class 13.

Capewell Manufacturing Company, The: *See*—
Capewell Horse Nail Company, The.

Christianson, David A., Associates, Inc., New York, N. Y. Razor blades. 431,671; July 29; Serial No. 510,009; published May 6, 1947. Class 23.

Clearprint Paper Company, San Francisco, Calif. Tracing paper. 431,702; July 29. Class 37.

Cleveland Mill & Power Co., Lawndale, N. C. Cotton clothes-lines. 62,146–7; re-renewed Apr. 23, 1947. O. G. July 29. Class 7.

Cohn, Aaron, Philadelphia, Pa. Hot-air dampers. 226,620; renewed Apr. 12, 1947. O. G. July 29. Class 34.

Continental Roofing & Manufacturing Co., The, Baltimore, Md., to The Ruberoid Co., New York, N. Y. Asphalt roof paint. 228,451; renewed May 31, 1947. O. G. July 29. Class 16.

Crider Corporation, The, Lima, Ohio. Refrigerant compressors. 431,661; July 29; Serial No. 509,267; published May 6, 1947. Class 31.

Crosfield, Joseph, & Sons, Limited, Warrington, England. Caustic soda and silicate of soda. 29,135; re-renewed Nov. 10, 1946. O. G. July 29. Class 6.

Crusader Candle Co., Brooklyn, N. Y. Candles. 431,620; July 29; Serial No. 502,888; published Apr. 29, 1947. Class 15.

Cutler-Hammer, Inc., Milwaukee, Wis. Surface heating units. 431,655; July 29; Serial No. 508,646; published May 6, 1947. Class 21.

Davison Chemical Corporation, The, Baltimore, Md. Car body undercoating and sound deadener in the nature of paint. 431,598; July 29; Serial No. 498,056; published Apr. 8, 1947. Class 16.

Delapenha, R. U., & Co., Inc., New York, N. Y. Candy, crystallized ginger, preserved ginger, etc. 225,701; renewed Mar. 22, 1947. O. G. July 29. Class 46.

De Lisser Manufacturing Corp., New Rochelle, N. Y. Electric household appliances. 431,665; July 29; Serial No. 509,566; published May 6, 1947. Class 21.

Dempster Brothers, Incorporated, Knoxville, Tenn. Machines for preparing aggregates for the manufacture of concrete blocks. 431,628; July 29; Serial No. 504,754; published May 6, 1947. Class 23.

Diehl, Albert N., doing business as The Diehl Steel Co., Cincinnati, Ohio. Tool steel. 228,403; renewed May 31, 1947. O. G. July 29. Class 14.

Diehl Steel Co., The: *See*—
Diehl, Albert N.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, machine knives, paper knives, etc. 431,581; July 29; Serial No. 493,172; published Apr. 29, 1947. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws, saw handles, saw teeth, etc. 431,582; July 29; Serial No. 493,259; published Apr. 29, 1947. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws. 431,583; July 29; Serial No. 493,435; published Apr. 29, 1947. Class 23.

Doughten Seed Company, The, Jersey City, N. J. Mixed grass seed and lawn seed mixture. 431,698; July 29. Class 1.

Douglas Pectin Corporation, Rochester, to General Foods Corporation, New York, N. Y. Pectin. 228,213; renewed May 24, 1947. O. G. July 29. Class 46.

Duffy, J.: *See*—
Duffy, John J.

Duffy, John J., doing business as J. Duffy, New York, N. Y. Suspension mixture of soap, abrasive, and oil for cleansing. 431,626; July 29; Serial No. 504,099; published May 6, 1947. Class 4.

Duriron Company, Inc., The, Dayton, Ohio. Factory equipment for handling corrosive liquids. 431,640; July 29; Serial No. 506,296; published May 13, 1947. Class 2.

Dwinell-Wright Company, Boston, Mass. Tea. 227,583; renewed May 10, 1947. O. G. July 29. Class 46.

Ekco Products Company, Chicago, Ill. Flashlights. 431,683–4; July 29; Serial Nos. 511,735–6; published May 6, 1947. Class 21.

Ernst, Edward S., doing business as Ernst Food Sales, New Orleans, La. Frozen shell fish, creole gumbo, and creole courtbouillon. 431,575; July 29; Serial No. 491,002; published May 6, 1947. Class 46.

Ernst Food Sales: *See*—
Ernst, Edward S.

Fennville Canning Co., Fennville, to Michigan Fruit Canners, Inc., Benton Harbor, Mich. Canned fruit and vegetables. 227,476; renewed May 10, 1947. O. G. July 29. Class 46.

Fernandez, Alice L., doing business as Victory Enterprises, New York, N. Y. Cleaner for pots and pans, woodwork, etc. 431,592; July 29; Serial No. 496,177; published May 6, 1947. Class 4.

Fernly, Joseph E., doing business as Fernly Products Co., Muskegon Heights, Mich. Charcoal and other solid fuel grills. 431,676; July 29; Serial No. 510,773; published Apr. 22, 1947. Class 34.

Fernly Products Co.: *See*—
Fernly, Joseph E.

Flynn and Emrich Company, Baltimore, Md. Industrial and domestic coal stokers. 431,663; July 29; Serial No. 509,508; published Apr. 15, 1947. Class 34.

Ford Manufacturing Company: *See*—
Ford, Wellman B.

Ford, Wellman B., doing business as Ford Manufacturing Company, Mount Kisco, N. Y. Hot water range boilers. 431,682; July 29; Serial No. 511,606; published Apr. 22, 1947. Class 34.

Freit Laboratories, Inc., Jacksonville, Fla. Wood preservative and lubricant. 431,588; July 29; Serial No. 494,319; published Apr. 29, 1947. Class 15.

Frostorage, assignee: *See*—
Rench, L.

Fry, William J., Chicago, Ill. Plastic containers. 431,614; July 29; Serial No. 501,126; published May 6, 1947. Class 2.

Galbraith, C. C., & Son, Inc., New York, N. Y. Electric space heaters. 431,695; July 29. Class 21.

General Foods Corporation: *See*—
Douglas Pectin Corporation.

General Motors Corporation, Detroit, Mich. Ice trays. 431,650; July 29; Serial No. 507,251; published May 6, 1947. Class 31.

Georgie Porgie Co.: *See*—
Willey, R. F.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 431,670; July 29; Serial No. 509,936; published May 6, 1947. Class 23.

Goldsmith Metal Lath Co., The, Cincinnati, Ohio. Metal roof deck. 431,686; July 29; Serial No. 513,823; published May 6, 1947. Class 12.

Grissmer, Earl, Company, Anderson, Ind. Cleaner for rugs, upholstery, woolens, canvas, etc. 431,599; July 29; Serial No. 498,061; published May 6, 1947. Class 4.

Grocers Baking Company, Louisville, Ky. Cake and cookies. 223,785; renewed Feb. 8, 1947. O. G. July 29. Class 46.

Hanscom Baking Corporation, Long Island City, N. Y. Cakes and cookies. 431,633–4; July 29; Serial Nos. 505,825–6; published May 6, 1947. Class 46.

Harnischfeger Corporation, Milwaukee, Wis. Electric travelling cranes, electric hoists, gantry cranes, etc. 227,637; renewed May 10, 1947. O. G. July 29. Class 23.

Hearn Department Stores, Inc.: *See*—
Swarts, Fred U.

Heurich, Chr., Brewing Co., Washington, D. C. Beer. 30,124; re-renewed June 1, 1947. O. G. July 29. Class 48.

Hobart Manufacturing Company, The, Troy, Ohio. Band saws for sawing food products. 413,616; July 29; Serial No. 502,580; published Apr. 29, 1947. Class 23.

Horn, Max, Zerner & Lewis, Inc., New York, N. Y. China and crystal electric table and floor lamps. 431,678; July 29; Serial No. 510,841; published May 6, 1947. Class 21.

Houchens Medicine Company, Baltimore, Md. Remedy for coughs, colds, bronchitis, etc. 62,810; re-renewed May 28, 1947. O. G. July 29. Class 6.

I. P. Container Corporation, Somerville, Mass. Boxes. 431,595; July 29; Serial No. 497,665; published Mar. 25, 1947. Class 2.

I. P. Container Corporation, Somerville, Mass. Boxes. 431,596; July 29; Serial No. 497,716; published Mar. 25, 1947. Class 2.

Ideal Industries, Inc., Sycamore, Ill. Pneumatic tools. 431,618; July 29; Serial No. 502,696; published May 6, 1947. Class 23.

Interchemical Corporation: *See*—
Queen City Printing Ink Co., The.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies. 431,576; July 29; Serial No. 491,331; published Mar. 18, 1947. Class 21.

International Chemical Company, Chicago, Ill. Dry detergent preparation. 431,563; July 29; Serial No. 480,245; published Apr. 29, 1947. Class 4.

International Lubricant Corporation, New Orleans, La. Lubricating oils and greases. 431,577; July 29; Serial No. 491,333; published May 21, 1946. Class 15.

International Paper Company, New York, N. Y. Boxes made of paper board. 431,580; July 29; Serial No. 491,573; published Apr. 29, 1947. Class 2.

International Textbook Company: *See*—
Technical Supply Company.

Jaden, F., Manufacturing Co. Inc., Hastings, Nebr., now by change of name to Jaden Manufacturing Co. Centrifugal steam unit heaters. 431,568; July 29; Serial No. 483,502; published Apr. 15, 1947. Class 34.

Jaden Manufacturing Co.: *See*—
Jaden, F., Manufacturing Co., Inc.

Jellum, Inc., Joliet, Ill. Macaroni. 431,657; July 29; Serial No. 509,008; published May 6, 1947. Class 46.

Kingston-Conley Electric Company, North Plainfield, N. J. Electric motors. 431,679; July 29; Serial No. 511,331; published May 6, 1947. Class 21.

Lamont, Corliss & Company: *See*—
Runkel Brothers Incorporated.

Lee, Sharon, Candy Co.: *See*—
Nassar, Nicholas, Jr.

Londex Limited, London, England. Electric and magnetic relays and parts thereof. 431,597; July 29; Serial No. 497,727; published May 6, 1947. Class 21.

Lovell and Covel Company, Cambridge, Mass. Candy. 431,556; July 29; Serial No. 448,735; published May 6, 1947. Class 46.

Lovell and Covel Company, Cambridge, Mass. Candy. 431,557; July 29; Serial No. 458,077; published May 6, 1947. Class 46.

Luxuray, Inc., Brooklyn, to Beaunit Mills, Inc., New York, N. Y. Women's underwear of knitted rayon. 223,629; renewed Feb. 8, 1947. O. G. July 29. Class 39.

M. & S. Farms, Fresno and Parlier, Calif. Fresh deciduous fruits and fresh grapes. 431,573; July 29; Serial No. 488,825; published May 6, 1947. Class 46.

Maimin, H., Company, Incorporated, New York, N. Y. Cloth-cutting machines. 431,625; July 29; Serial No. 503,656; published Apr. 29, 1947. Class 23.

Malden Knitting Mills, Malden, Mass. Sweaters and bathing suits. 228,468; renewed May 31, 1947. O. G. July 29. Class 39.

Malko & Lock Machine Products, Chicago, Ill. Mechanical pencils. 431,703; July 29. Class 37.

Manufacturers and Fabricators, Inc., Elyria, Ohio. Non-electric industrial furnaces and parts therefor. 431,664; July 29; Serial No. 509,521; published May 6, 1947. Class 34.

Mariani, Frank N., Washington Heights, New York, N. Y. Fruit juice squeezers. 431,649; July 29; Serial No. 507,010; published Apr. 29, 1947. Class 23.

Mariposa Products Co., New York, N. Y. Flints. 431,696; July 29. Class 34.

Marlin Firearms Company, The, New Haven, Conn. Razors. 431,658; July 29; Serial No. 509,017; published Apr. 29, 1947. Class 23.

Marwin Company, The, West Caldwell, N. J. Metallographic abrasives and materials. 431,593; July 29; Serial No. 496,851; published May 6, 1947. Class 4.

Mayco, Inc., New York, N. Y. Compacts. 431,600; July 29; Serial No. 498,296; published Apr. 29, 1947. Class 2.

Mernit, Ralph, Inc., New York, N. Y. Compound for detarnishing silver. 431,590; July 29; Serial No. 494,914; published Apr. 29, 1947. Class 4.

Metz, H. A., Laboratories, Inc., to Winthrop Chemical Company, Inc., New York, N. Y. Remedies against fever, rheumatism, and neuralgia. 228,308; renewed May 31, 1947. O. G. July 29. Class 6.

Michigan Fruit Canners, Inc.: *See*—
Fennville Canning Co.

Mill & Mine Supply Co., assignor to Mill and Mine Supply Co. Incorporated, Seattle, Wash. Power saws. 431,564; July 29; Serial No. 480,781; published Apr. 29, 1947. Class 23.

Mill and Mine Supply Co. Incorporated, assignee: *See*—
Mill & Mine Supply Co.

Milwaukee Lace Paper Company, Milwaukee, Wis. Paper cups. 431,584; July 29; Serial No. 493,799; published May 6, 1947. Class 2.

Molloy Machine Corporation, Chicago, Ill. Insulation blowing machines. 431,610; July 29; Serial No. 500,113; published May 6, 1947. Class 23.

Nashua Manufacturing Company, Nashua, N. H. Cotton piece goods, and cotton blankets. 62,158; re-renewed Apr. 23, 1947. O. G. July 29. Class 42.

Nassar, Nicholas, Jr., doing business as Sharon Lee Candy Co., Toledo, Ohio. Chocolates, candy, and nut meats. 431,585; July 29; Serial No. 493,929; published May 6, 1947. Class 46.

National Metal Products Company, Kansas City, Mo. Gasoline driven power mowing machine. 431,638; July 29; Serial No. 506,053; published Apr. 29, 1947. Class 23.

National Starch Products Inc., New York, N. Y. Resin and starch adhesives. 431,643; July 29; Serial No. 506,832; published May 13, 1947. Class 5.

Nordberg Manufacturing Company, Milwaukee, Wis. Machines for cleaning track ballast. 431,629; July 29; Serial No. 505,162; published Apr. 29, 1947. Class 23.

Norlin, Clarence F., Chicago, Ill. Splash shields. 431,704; July 29. Class 39.

Northwest Machine Works, Oreg. Ltd., Portland, Oreg. Pick-up elevator. 431,586; July 29; Serial No. 494,164; published Apr. 29, 1947. Class 23.

Oil City Brass Works, The, Beaumont, Tex. Trawler blocks. 431,646; July 29; Serial No. 506,889; published May 6, 1947. Class 23.

Oil City Brass Works, The, Beaumont, Tex. Trawler blocks designed for use in the fishing industry. 431,647; July 29; Serial No. 506,890; published Apr. 29, 1947. Class 23.

Oil Purifier, Inc., Oakland, Calif. Automobile jacks. 431,571; July 29; Serial No. 488,705; published May 28, 1946. Class 23.

Okonite Company, The, Passaic, N. J. Non-metallic tape, non-metallic sheaths, and insulation. 431,674; July 29; Serial No. 510,272; published May 6, 1947. Class 21.

Pal Blade Co., Inc., New York, N. Y. Razor blades. 431,651; July 29; Serial No. 507,337; published May 6, 1947. Class 23.

Paley Manufacturing Corporation, Brooklyn, N. Y. Frozen food cabinets. 431,669; July 29; Serial No. 509,872; published May 13, 1947. Class 31.

Palmer, John G., Chicago, Ill. Razor blades. 431,666; July 29; Serial No. 509,719; published May 6, 1947. Class 23.

Palmer Manufacturing Corporation, Phoenix, Ariz. Heating apparatus, specifically gas fired furnaces. 431,691; July 29; Serial No. 516,593; published May 6, 1947. Class 34.

Patented Appliances Incorporated, Saybrook, Conn. Food patty forming machine. 431,591; July 29; Serial No. 495,983; published Apr. 29, 1947. Class 23.

Paxe and Baker Manufacturing Co., North Attleboro, Mass. Jewelry, solid, plated, and precious-metal tableware, etc. 62,729; re-renewed May 21, 1947. O. G. July 29. Class 28.

Perma-Temp Products, Inc., Philadelphia, Pa. Frozen food cabinets. 431,692; July 29; Serial No. 516,718; published May 6, 1947. Class 31.

Pessl, Helene, Inc., New York, N. Y. Soap. 431,612; July 29; Serial No. 500,768; published May 6, 1947. Class 4.

Peterson, Charles A., Company, The, Cleveland, Ohio. Shelled edible nuts. 431,574; July 29; Serial No. 488,926; published May 6, 1947. Class 46.

Phi Sigma Kappa Fraternity, Appleton, Wis. Fraternity badges, lapel buttons, scarf, lapel and breast pins, etc. 222,080; renewed Dec. 21, 1946. O. G. July 29. Class 28.

Picot Company, The: *See*—
Valldejuli, Manuel S.

Picot Laboratories, Inc.: *See*—
Valldejuli, Manuel S.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Garden hoes, garden rakes, garden sprayers, etc. 431,570; July 29; Serial No. 488,425; published Apr. 29, 1947. Class 23.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. 431,602; July 29; Serial No. 499,002; published Apr. 22, 1947. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. 431,603; July 29; Serial No. 499,004; published Apr. 22, 1947. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs. 431,604; July 29; Serial No. 499,005; published Apr. 22, 1947. Class 2.

Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs and insulated picnic boxes. 431,605; July 29; Serial No. 499,007; published Apr. 29, 1947. Class 2.

Postalending Library Club, Inc., New York, N. Y. Books. 431,607; July 29. Class 38.

Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Portable picnic ice boxes. 431,694; July 29; Serial No. 518,320; published May 6, 1947. Class 31.

Queen City Printing Ink Co., The, Cincinnati, Ohio, to Interchemical Corporation, New York, N. Y. Printing inks. 62,760; re-renewed May 21, 1947. O. G. July 29. Class 11.

Raxor Trading Corporation, New York, N. Y. Mechanically grooved phonograph records. 431,642; July 29; Serial No. 506,390; published May 6, 1947. Class 36.

Reflectal Corporation, New York, N. Y. Heat protecting and insulating material. 431,689; July 29; Serial No. 515,198; published May 6, 1947. Class 12.

Rench, L., assignor to Frostorage, Oakland, Calif. Paper bags. 431,569; July 29; Serial No. 485,603; published Apr. 29, 1947. Class 2.

Renie Metal Products Corporation, The, Mansfield, Ohio. Metal bins. 431,660; July 29; Serial No. 509,169; published Apr. 15, 1947. Class 2.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials. 431,652; July 29; Serial No. 507,851; published May 13, 1947. Class 5.

Rice-Stix Dry Goods Company, St. Louis, Mo. Percales. 62,558; re-renewed May 14, 1947. O. G. July 29. Class 42.

Richmond Metal and Plastics Corporation, Philadelphia, Pa. Exhaust gas deflectors. 431,654; July 29; Serial No. 508,547; published Apr. 29, 1947. Class 23.

Rivkin, Norman: *See*—
Booster Glove Company, The.

Rogers, Glenn M., Inc., Buffalo, N. Y. Unitary structures. 431,613; July 29; Serial No. 500,828; published May 6, 1947. Class 23.

Rosser, Robert F., Miami, Fla. Clamp for holding concrete forms. 431,627; July 29; Serial No. 504,634; published May 6, 1947. Class 12.

Ruberoid Co., The.: *See*—
Continental Roofing & Manufacturing Co., The.

Runkel Brothers Incorporated, to Lamont, Corliss & Company, New York, N. Y. Chocolate, sweet and unsweetened, and cocoa. 61,006; re-renewed Mar. 5, 1947. O. G. July 29. Class 46.

Sanders Clothes, Inc., Allentown, Pa. Men's and boys' clothing. 431,699; July 29. Class 39.

Sasha Studios, Los Angeles, Calif. Figurines and statuettes. 431,572; July 29; Serial No. 488,708; published May 6, 1947. Class 50.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, and cordage. 222,822; renewed Jan. 11, 1947. O. G. July 29. Class 7.

Schermerhorn Bros. Co., Chicago, Ill. Twine, rope, string, etc. 227,625; renewed May 10, 1947. O. G. July 29. Class 7.

Sears, Roebuck and Co., Chicago, Ill. Brooder houses, hog houses, and stock stalls. 431,681; July 29; Serial No. 511,508; published Apr. 15, 1947. Class 12.

Selber Brothers: *See*—
Selber Bros., Inc.

Selber Bros., Inc., to Selber Brothers, Shreveport, La. Men's suits and overcoats. 226,261; renewed Apr. 5, 1947. O. G. July 29. Class 39.

Sheffield Manufacturing Corp., Newark, N. J. Razor blades. 431,639; July 29; Serial No. 509,105; published Apr. 29, 1947. Class 23.

Simonsen, Charles W., doing business as Air Cleaner Service Company, Glencullen, Oreg. Air cleaners and oil filters and filter elements. 431,623; July 29; Serial No. 503,534; published May 6, 1947. Class 23.

Sioux Electrical Appliance Co., Sioux City, Iowa. Electrical refrigerators. 431,653; July 29; Serial No. 508,392; published May 6, 1947. Class 31.

Sizer, Richard, Limited, Hull, England. Machines for manufacturing cattle cake. 227,244; renewed May 3, 1947. O. G. July 29. Class 23.

Smith-Johnston Corporation, Los Angeles, Calif. Machine tool equipment. 431,567; July 29; Serial No. 482,509; published May 6, 1947. Class 23.

Southern Dairies, Inc., Washington, D. C. Ice cream, frozen confections, fluid milk, etc. 431,559; July 29; Serial No. 479,994; published May 6, 1947. Class 46.

Southern Dairies, Inc., Washington, D. C. Ice cream, ices, sherbets, etc. 431,560; July 29; Serial No. 479,996; published May 6, 1947. Class 46.

Southern Dairies, Inc., Washington, D. C. Ice cream, ice cream tarts, sherbets, etc. 431,561; July 29; Serial No. 479,997; published May 6, 1947. Class 46.

Southern Dairies, Inc., Washington, D. C. Ice cream, ices, sherbets, etc. 431,562; July 29; Serial No. 479,999; published May 6, 1947. Class 46.

Southern Dairies, Inc., Washington, D. C. Milk, cream, buttermilk, etc. 431,565; July 29; Serial No. 480,802; published May 6, 1947. Class 46.

Southern Saw Works, Inc., East Point, Atlanta, Ga. Saw bits and saw shanks. 431,675; July 29; Serial No. 510,283; published May 6, 1947. Class 23.

Specialty Development Company, The, Bluffton, Ind. Bakery product. 431,587; July 29; Serial No. 494,290; published May 6, 1947. Class 46.

Spotnails, Inc., Chicago, Ill. Machines for driving securing elements. 431,611; July 29; Serial No. 500,633; published May 6, 1947. Class 23.

Standard Fuel Engineering Company, Detroit, Mich. Gas burners. 431,677; July 29; Serial No. 510,809; published Apr. 22, 1947. Class 34.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Cleaning compounds. 431,637; July 29; Serial No. 505,988; published May 6, 1947. Class 4.

Staze, Inc., New York, N. Y. Preparation for cleaning dentures. 431,621; July 29; Serial No. 503,267; published May 6, 1947. Class 4.

Street, R. R., & Co., Inc., Chicago, Ill. Detergent for use in dry cleaning operations. 431,635–6; July 29; Serial Nos. 505,864–5; published Apr. 29, 1947. Class 4.

Structural Insulation Corporation, The, Quincy, Ill. Building board. 431,672; July 29; Serial No. 510,129; published May 6, 1947. Class 12.

Swallow, Kingston F., Milwaukee, Wis. Cork pullers, 431,619; July 29; Serial No. 502,855; published May 6, 1947. Class 23.

Swarts, Fred U., Penn Yan, to Hearn Department Stores, Inc., New York, N. Y. Champagne. 58,571; re-renewed Dec. 18, 1946. O. G. July 29. Class 47.

Technical Supply Company, The, to International Textbook Company, Scranton, Pa. T-squares, drawing boards, triangles, etc. 59,832; re-renewed Jan. 22, 1947. O. G. July 29. Class 26.

Technical Supply Company, to International Textbook Company, Scranton, Pa. Drawing and tracing paper. 60,176; re-renewed Jan. 29, 1947. O. G. July 29. Class 37.

Technical Supply Company, to International Textbook Company, Scranton, Pa. Blue-print paper. 61,675; re-renewed Apr. 2, 1947. O. G. July 29. Class 26.

Terrill, D. D., Saw Company: *See*—
Terrill, Delmer D.

Terrill, Delmer D., doing business as D. D. Terrill Saw Company, Bangor, Maine. Saw blades. 431,631; July 29; Serial No. 505,532; published May 6, 1947. Class 23.

Thompson Equipment Co., Madera, Calif. Cattle chute or operating table and cattle dehorning chute, etc. 431,566; July 29; Serial No. 481,345; published Apr. 29, 1947. Class 23.

Time Oil Co., Seattle, Wash. Gasoline. 431,558; July 29; Serial No. 477,381; published May 13, 1947. Class 15.

Times Publishing Company, Inc., The, St. Cloud, Minn. Daily newspaper. 227,871; renewed May 17, 1947. O. G. July 29. Class 38.

Tool Specialty Co., Los Angeles, Calif. Metal working tools. 431,639; July 29; Serial No. 506,068; published May 6, 1947. Class 23.

Trimedge, Inc., Youngstown, Ohio. Metallic and plastic mouldings. 431,578–9; July 29; Serial Nos. 491,526–7; published May 6, 1947. Class 12.

Turner Halsey Co., New York, N. Y. Cotton piece goods. 228,343; renewed May 31, 1947. O. G. July 29. Class 42.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 431,609; July 29; Serial No. 499,810; Apr. 29. Class 2.

Union Fire Brick Company, The, Grantsville, Md., and Pittsburgh, Pa. Fire brick. 431,705; July 29. Class 12.

United Masters, Inc., New York, N. Y. Mechanically grooved phonograph records. 431,624; July 29; Serial No. 503,538; published Apr. 29, 1947. Class 36.

Valldejuli, Manuel S., doing business as The Picot Company, Buffalo, N. Y., to Picot Laboratories, Inc., Wilmington, Del. Preparations for the treatment of indigestion, uric-acid conditions, etc. 228,435; renewed May 31, 1947. O. G. July 29, 1947. Class 6.

Victory Enterprises: *See*—
Fernandez, Alice L.

Vokes Limited, Guildford, England. Air filters and oil filters. 431,685; July 29; Serial No. 512,879; published May 6, 1947. Class 31.

Walker, W. & F., to W. & F. Walker Limited, Liverpool, England. Liquid soap, dry soap, soap powders, etc. 29,022; re-renewed Oct. 20, 1946. O. G. July 29, 1947. Class 4.

Walker, W. & F., Limited: *See*— Walker, W. & F.

Weatherall Engineers, Incorporated, Providence, R. I. Oil or gas burning heat generating units. 431,648; July 29; Serial No. 494,152; published Apr. 22, 1947. Class 34.

Weatherall Engineers, Incorporated, Providence, R. I. Fluid fuel burners, fluid fuel burning heat generating units, etc. 431,687; July 29; Serial No. 514,384; published Apr. 22, 1947. Class 34.

Weil Pump Co., Chicago, Ill. Electric water pumps. 431,644; July 29; Serial No. 506,848; published Apr. 29, 1947. Class 23.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 228,429–30; renewed May 31, 1947. O. G. July 29. Class 26.

White Mountain Freezer Company, Inc., The, Nashua, N. H. Ice cream freezers. 431,693; July 29; Serial No. 517,335; published May 6, 1947. Class 31.

Willey, R. F., doing business as Georgie Porgie Co., Council Bluffs, Iowa. Washing compound. 431,701; July 29. Class 4.

Winthrop Chemical Company, Inc.: *See*— Metz, H. A., Laboratories, Inc.

Wolf, L., & Company, Chicago, Ill. Electric floor and table lamps and shades therefor. 431,662; July 29; Serial No. 509,486; published May 6, 1947. Class 21.

Wood Construction Publishing Co., The, Xenia, Ohio. Bi-monthly magazine. 431,700; July 29. Class 38.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 227,114; renewed Apr. 26, 1947. O. G. July 29. Class 12.

Woodville Lime Products Company, The, Toledo, Ohio. Lime. 227,912; renewed May 17, 1947. O. G. July 29. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Seed and lawn seed mixture, Mixed grass. Doughten Seed Company. 431,698; July 29.

CLASS 2

Bags, Multi-wall paper. Bagpak, Inc. 431,608; July 29; Serial No. 499,752; published Apr. 22, 1947.

Bags, Paper. L. Rench. 431,569; July 29; Serial No. 485,603; published Apr. 29, 1947.

Bags, Paper. Union Bag & Paper Corporation. 431,609; July 29; Serial No. 499,810; published Apr. 29, 1947.

Bins, Metal. Renie Metal Products Corporation, The. 431,660; July 29; Serial No. 509,169; published Apr. 15, 1947.

Boxes. I. P. Container Corporation. 431,595; July 29; Serial No. 497,665; published Mar. 25, 1947.

Boxes. I. P. Container Corporation. 431,596; July 29; Serial No. 497,716; published Mar. 25, 1947.

Boxes made of paper board. International Paper Company. 431,580; July 29; Serial No. 491,573; published Apr. 29, 1947.

Cases, lingerie cases, cosmetic cases, etc., Handkerchief. American Needlecrafts, Inc. 431,589; July 29; Serial No. 494,419; published Apr. 8, 1947.

Compacts. Mavco, Inc. 431,600; July 29; Serial No. 498,296; published Apr. 29, 1947.

Containers, Plastic. W. J. Fry. 431,614; July 29; Serial No. 501,126; published May 6, 1947.

Cups, Paper. Milwaukee Lace Paper Company. 431,584; July 29; Serial No. 493,799; published May 6, 1947.

Equipment for handling corrosive liquids, Factory. Duriron Company, Inc. 431,640; July 29; Serial No. 506,296; published May 13, 1947.

Hampers and garbage cans. Brill Metal Fabricators. 431,690; July 29; Serial No. 516,059; published May 6, 1947.

Jugs and insulated picnic boxes, Insulated picnic. Poloron Products, Inc. 431,602; July 29; Serial No. 499,002; published Apr. 22, 1947.

Jugs and insulated picnic boxes, Insulated picnic. Poloron Products, Inc. 431,603; July 29; Serial No. 499,004; published Apr. 22, 1947.

Jugs and insulated picnic boxes, Insulated picnic. Poloron Products, Inc. 431,605; July 29; Serial No. 499,007; published Apr. 29, 1947.

Jugs, Insulated picnic. Poloron Products, Inc. 431,604; July 29; Serial No. 499,005; published Apr. 22, 1947.

CLASS 4

Abrasives and materials, Metallographic. Marwin Company. 431,593; July 29; Serial No. 496,851; published May 6, 1947.

Cleaner for pots and pans, woodwork, etc. A. L. Fernandez. 431,592; July 29; Serial No. 496,177; published May 6, 1947.

Cleaner for rugs, upholstery, woolens, canvas, etc. Earl Grissmer Company. 431,599; July 29; Serial No. 498,061; published May 6, 1947.

Cleaning compounds. Standard Oil Company of California. 431,637; July 29; Serial No. 505,988; published May 6, 1947.

Compound for detarnishing silver. Ralph Mernit, Inc. 431,590; July 29; Serial No. 494,914; published Apr. 29, 1947.

Detergent for use in dry cleaning operations. R. R. Street & Co., Inc. 431,635–6; July 29; Serial Nos. 505,864–5; published Apr. 29, 1947.

Dry detergent preparation. International Chemical Company. 431,563; July 29; Serial No. 480,245; published Apr. 29, 1947.

Preparation for cleaning dentures. Staze, Inc. 431,621; July 29; Serial No. 503,267; published May 6, 1947.

Soap. Affiliated Products, Inc. 431,632; July 29; Serial No. 505,675; published Apr. 29, 1947.

Soap. Helene Pessl, Inc. 431,612; July 29; Serial No. 500,768; published May 6, 1947.

Soap, abrasive and oil for cleansing, Suspension mixture of. J. J. Duffy. 431,626; July 29; Serial No. 504,099; published May 6, 1947.

Soap, dry soap, soap powders, etc., Liquid. W. & F. Walker. 29,022; re-renewed Oct. 20, 1946. O. G. July 29.

Washing compound. R. F. Willey. 431,701; July 29.

CLASS 5

Adhesives, Resin and starch. National Starch Products Inc. 431,643; July 29; Serial No. 506,832; published May 13, 1947.

Resinous materials, Synthetic. Resinous Products & Chemical Company. 431,652; July 29; Serial No. 507,851; published May 13, 1947.

CLASS 6

Preparations for the treatment of indigestion, uric-acid conditions, etc. M. S. Valldejuli. 228,435; renewed May 31, 1947. O. G. July 29.

Remedies against fever, rheumatism, and neuralgia. H. A. Metz Laboratories, Inc. 228,308; renewed May 31, 1947. O. G. July 29.

Remedy for coughs, colds, bronchitis, etc. Houchens Medicine Company. 62,810; re-renewed May 28, 1947. O. G. July 29.

Soda and silicate of soda, Caustic. Joseph Crosfield & Sons, Limited. 29,135; re-renewed Nov. 10, 1946. O. G. July 29.

CLASS 7

Clothes-lines, Cotton. Cleveland Mill & Power Co. 62,146–7; re-renewed Apr. 23, 1947. O. G. July 29.

Twine, rope, string, and cordage. Schermerhorn Bros. Co. 222,822; renewed Jan. 11, 1947. O. G. July 29.

Twine, rope, string, etc. Schermerhorn Bros. Co. 227,625; renewed May 10, 1947. O. G. July 29.

CLASS 11

Printing inks. Queen City Printing Ink Co. 62,760; re-renewed May 21, 1947. O. G. July 29.

Class 12

Asbestos fibre for lagging, asbestos covering for boilers, pipes, etc. Beldam Packing & Rubber Co. Limited. 431,680; July 29; Serial No. 511,442; published Apr. 15, 1947.

Board, Building. Structural Insulation Corporation. 431,672; July 29; Serial No. 510,129; published May 6, 1947.

Brick, Fire. Union Fire Brick Company. 431,705; July 29.

Cement and hot water tank covers, Furnace. Asbestos Supply Company of Seattle. 431,645; July 29; Serial No. 506,854; published Apr. 15, 1947.

Clamp for holding concrete forms. R. F. Rosser. 431,627; July 29; Serial No. 504,634; published May 6, 1947.

Houses, hog houses, and stock stalls, Brooder. Sears, Roebuck and Co. 431,681; July 29; Serial No. 511,508; published Apr. 15, 1947.

Insulation, Acoustical. Armstrong Cork Company. 431,615; July 29; Serial No. 502,180; published Apr 22, 1947.

Lime. Woodville Lime Products Company. 227,114; renewed Apr. 26, 1947. O. G. July 29.

Lime. Woodville Lime Products Company. 227,912; renewed May 17, 1947. O. G. July 29.

Materials for rendering mortar and hydraulic cement materials waterproof; etc. American Fluresit Company. 431,656; July 29; Serial No. 508,956; published Apr. 22, 1947.

Mouldings, Metallic and plastic. Trimedge, Inc. 431,578–9; July 29; Serial Nos. 491,526–7; published May 6, 1947.

Protecting and insulating material, Heat. Reflectal Corporation. 431,689; July 29; Serial No. 515,198; published May 6, 1947.

Roof deck, Metal. Goldsmith Metal Lath Co. 431,686; July 29; Serial No. 513,823; published May 6, 1947.

Shingles, Felt base. Allied Chemical & Dye Corporation. 431,630; July 29; Serial No. 505,469; published May 6, 1947.

CLASS 13

Nails, Horse. Capewell Horse Nail Company. 228,103; renewed May 24, 1947. O. G. July 29.

CLASS 14

Steel, Tool. A. N. Diehl. 228,403; renewed May 31, 1947. O. G. July 29.

CLASS 15

Candles. Crusader Candle Co. 431,620; July 29; Serial No. 502,888; published Apr. 29, 1947.

Gasoline. Time Oil Co. 431,558; July 29; Serial No. 477,381; published May 13, 1947.

Oils and greases, Lubricating. International Lubricant Corporation. 431,577; July 29; Serial No. 491,333; published May 21, 1946.

Preservative and lubricant, Wood. Freit Laboratories, Inc. 431,588; July 29; Serial No. 494,319; published Apr. 29, 1947.

CLASS 16

Paint, Asphalt roof. Continental Roofing & Manufacturing Co. 228,451; renewed May 31, 1947. O. G. July 29.

Undercoating and sound deadener in the nature of paint, Car body. Davison Chemical Corporation. 431,598; July 29; Serial No. 498,056; published Apr. 8, 1947.

CLASS 21

Electrical equipment and supplies. International Brotherhood of Electrical Workers. 431,576; July 29; Serial No. 491,331; published Mar. 18, 1947.

Flashlights. Ekco Products Company. 431,683–4; July 29; Serial Nos. 511,735–6; published May 6, 1947.

Heaters, Electric space. C. C. Galbraith & Son, Inc. 431,695; July 29.

Heating units, Surface. Cutler-Hammer, Inc. 431,655; July 29; Serial No. 508,646; published May 6, 1947.

Household appliances, Electric. De Lisser Manufacturing Corp. 431,665; July 29; Serial No. 509,566; published May 6, 1947.

Lamps and shades therefor, Electric floor and table. L. Wolf & Company. 431,662; July 29; Serial No. 509,486; published May 6, 1947.

Lamps, China and crystal electric table and floor. Max Horn, Zerner & Lewis, Inc. 431,678; July 29; Serial No. 510,841; published May 6, 1947.

Motorized operators for valves; electric motorized controls; electric motorized drives; etc., Electric. Automatic Temperature Control Co., Inc. 431,667–8; July 29; Serial Nos. 509,815–16; published May 6, 1947.

Motors, Electric. Kingston-Conley Electric Company. 431,679; July 29; Serial No. 511,331; published May 6, 1947.

Motors, generators, magnetos, etc., Electric. Bendix Aviation Corporation. 431,622; July 29; Serial No. 503,418; published May 6, 1947.

Relays and parts thereof, Electric and magnetic. Londex Limited. 431,597; July 29; Serial No. 497,727; published May 6, 1947.

Tape, non-metallic sheaths, and insulation, Non-metallic. Okonite Company. 431,674; July 29; Serial No. 510,272; published May 6, 1947.

CLASS 23

Blocks, Trawler. Oil City Brass Works. 431,646; July 29; Serial No. 506,889; published May 6, 1947.

Blowing machines, Insulation. Molloy Machine Corporation. 431,610; July 29; Serial No. 500,113; published May 6, 1947.

Chute or operating table and cattle dehorning chute, etc., Cattle. Thompson Equipment Co. 431,566; July 29; Serial No. 481,345; published Apr. 29, 1947.

Cleaners and oil filters and filter elements, Air. C. W. Simonsen. 431,623; July 29; Serial No. 503,534; published May 6, 1947.

Cloth-cutting machines. H. Maimin Company, Incorporated. 431,625; July 29; Serial No. 503,656; published Apr. 29, 1947.

Cranes, electric hoists, gantry cranes, etc., Electric travelling. Harnischfeger Corporation. 227,637; renewed May 10, 1947. O. G. July 29.

Cutlery handles and picker sticks. Adams Plastics Co., Inc. 431,617; July 29; Serial No. 502,609; published May 6, 1947.

Deflectors, Exhaust gas. Richmond Metal and Plastics Corporation. 431,654; July 29; Serial No. 508,547; published Apr. 29, 1947.

Elevator, Pick-up. Northwest Machine Works, Oreg. Ltd. 431,586; July 29; Serial No. 494,164; published Apr. 29, 1947.

Gasoline driven power mowing machine. National Metal Products Company. 431,638; July 29; Serial No. 506,053; published Apr. 29, 1947.

Hoes, garden rakes, garden sprayers, etc., Garden. Plymouth Wholesale Dry Goods Corporation. 431,570; July 29; Serial No. 488,425; published Apr. 29, 1947.

Jacks, Automobile. Oil Purifier, Inc. 431,571; July 29; Serial No. 488,705; published May 28, 1946.

Machine tool equipment. Smith-Johnson Corporation. 431,567; July 29; Serial No. 482,509; published May 6, 1947.

Machines for cleaning track ballast. Nordberg Manufacturing Company. 431,629; July 29; Serial No. 505,162; published Apr. 29, 1947.

Machines for driving securing elements. Spotnails, Inc. 431,611; July 29; Serial No. 500,633; published May 6, 1947.

Machines for manufacturing cattle cake. Richard Sizer Limited. 227,244; renewed May 3, 1947. O. G. July 29.

Machines for preparing aggregates for the manufacture of concrete blocks. Dempster Brothers, Incorporated. 431,628; July 29; Serial No. 504,754; published May 6, 1947.

Patty forming machine, Food. Patented Appliances Incorporated. 431,591; July 29; Serial No. 495,983; published Apr. 29, 1947.

Pullers, Cork. K. F. Swallow. 431,619; July 29; Serial No. 502,855; published May 6, 1947.

Pumps, Electric water. Weil Pump Co. 431,644; July 29; Serial No. 506,848; published Apr. 29, 1947.

Razor blades. David A. Christianson Associates, Inc. 431,671; July 29; Serial No. 510,009; published May 6, 1947.

Razor blades. Pal Blade Co., Inc. 431,651; July 29; Serial No. 507,337; published May 6, 1947.

Razor blades. J. G. Palmer. 431,666; July 29; Serial No. 509,719; published May 6, 1947.

Razor blades. Sheffield Manufacturing Corp. 431,659; July 29; Serial No. 509,105; published Apr. 29, 1947.

Razor blades, Safety. Gillette Safety Razor Company. 431,670; July 29; Serial No. 509,936; published May 6, 1947.

Razors. Marlin Firearms Company. 431,658; July 29; Serial No. 509,017; published Apr. 29, 1947.

Rope tighteners, combination garden rakes and hoes, knife sharpeners, etc. Atlas-Ansonia Company. 431,673; July 29; Serial No. 510,154; published May 6, 1947.

Saw bits and saw shanks. Southern Saw Works, Inc. 431,675; July 29; Serial No. 510,283; published May 6, 1947.

Saw blades. D. D. Terrill. 431,631; July 29; Serial No. 505,532; published May 6, 1947.

Saws. Henry Disston & Sons, Incorporated. 431,583; July 29; Serial No. 493,435; published Apr. 29, 1947.

Saws for sawing food products, Band. Hobart Manufacturing Company. 413,616; July 29; Serial No. 502,580; published Apr. 29, 1947.

Saws, machine knives, paper knives, etc. Henry Disston & Sons, Incorporated. 431,581; July 29; Serial No. 493,172; published Apr. 29, 1947.

Saws, Power. Mill & Mine Supply Co. 431,564; July 29; Serial No. 480,781; published Apr. 29, 1947.

Saws, saw handles, saw teeth, etc. Henry Disston & Sons, Incorporated. 431,582; July 29; Serial No. 493,259; published Apr. 29, 1947.

Squeezers, Fruit juice. F. N. Mariani. 431,649; July 29; Serial No. 507,010; published Apr. 29, 1947.

Tool, Machine. Bullard Company. 431,594; July 29; Serial No. 496,884; published Apr. 29, 1947.

Tools, Metal working. Tool Specialty Co. 431,639; July 29; Serial No. 506,068; published May 6, 1947.

Tools, Pneumatic. Ideal Industries, Inc. 431,618; July 29; Serial No. 502,696; published May 6, 1947.

Trawler blocks designed for use in the fishing industry. Oil City Brass Works. 431,647; July 29; Serial No. 506,890; published Apr. 29, 1947.

Unitary structures. Glenn M. Rogers, Inc. 431,613; July 29; Serial No. 500,828; published May 6, 1947.

CLASS 26

Blue-print paper. Technical Supply Company. 61,675; re-renewed Apr. 2, 1947. O. G. July 29.

Spectacle frames. White-Haines Optical Company. 228,429–30; renewed May 31, 1947. O. G. July 29.

T-squares, drawing-boards, triangles, etc. Technical Supply Company. 59,832; re-renewed Jan. 22, 1947. O. G. July 29.

CLASS 28

Badges, lapel buttons, scarf, lapel, and breast pins, etc., Fraternity. Phi Sigma Kappa Fraternity. 222,080; renewed Dec. 21, 1946. O. G. July 29.

Jewelry, solid, plated, and precious-metal tableware, etc. Paye and Baker Manufacturing Co. 62,729; re-renewed May 21, 1947. O. G. July 29.

CLASS 31

Boxes, Portable picnic ice. Prentiss Wabers Products Co. 431,694; July 29; Serial No. 518,320; published May 6, 1947.

Cabinets, Frozen food. Paley Manufacturing Corporation. 431,669; July 29; Serial No. 509,872; published May 13, 1947.

Cabinets, Frozen food. Perma-Temp Products, Inc. 431,692; July 29; Serial No. 516,718; published May 6, 1947.

Filters and oil filters, Air. Vokes Limited. 431,685; July 29; Serial No. 512,879; published May 6, 1947.
Freezers, Ice cream. White Mountain Freezer Company, Inc. 431,693; July 29; Serial No. 517,335; published May 6, 1947.
Refrigerant compressors. Crider Corporation. 431,661; July 29; Serial No. 509,267; published May 6, 1947.
Refrigerator parts and accessories. Borg-Warner Corporation. 431,688; July 29; Serial No. 515,154; published May 6, 1947.
Refrigerators, Electrical. Sioux Electrical Appliance Co. 431,653; July 29; Serial No. 508,392; published May 6, 1947.
Trays, Ice. General Motors Corporation. 431,650; July 29; Serial No. 507,251; published May 6, 1947.

CLASS 34

Air conditioners of the humidifier, heating, cooling type. Airite Corporation. 431,641; July 29; Serial No. 506,361; published May 6, 1947.
Boilers and heaters. American Radiator Company. 58,433; re-renewed Dec. 18, 1946. O. G. July 29.
Boilers, Hot water range. W. B. Ford. 431,682; July 29; Serial No. 511,606; published Apr. 22, 1947.
Burners, fluid fuel burning heat generating units, etc., Fluid fuel. Weatherall Engineers, Incorporated. 431,687; puly 29; Serial No. 514,384; published Apr. 22, 1947.
Burners, Gas. Standard Fuel Engineering Company. 431,677; July 29; Serial No. 510,809; published Apr. 22, 1947.
Burners, Oil. American Mohawk Company. 431,601; July 29; Serial No. 498,973; published Apr. 22, 1947.
Dampers, Hot-air. A. Cohn. 226,620; renewed Apr. 12, 1947. O. G. July 29.
Flints. Mariposa Products Co. 431,696; July 29.
Fuel grills, Charcoal and other solid. J. E. Fernly. 431,676; July 29; Serial No. 510,773; published Apr. 22, 1947.
Furnaces, and parts therefor, Non-electric industrial. Manufacturers and Fabricators, Inc. 431,664; July 29; Serial No. 509,521; published May 6, 1947.
Heat generating units, Oil or gas burning. Weatherall Engineers, Incorporated. 431,648; July 29; Serial No. 494,152; published Apr. 22, 1947.
Heaters, Centrifugal steam unit. F. Jaden Manufacturing Co. Inc. 431,568; July 29; Serial No. 485,502; published Apr. 15, 1947.
Heating apparatus, specifically gas fired furnaces. Palmer Manufacturing Corporation. 431,691; July 29; Serial No. 516,593; published May 6, 1947.
Stokers, Industrial and domestic coal. Flynn and Emrich Company. 431,663; July 29; Serial No. 509,508; published Apr. 15, 1947.

CLASS 36

Records, Mechanically grooved phonograph. Razor Trading Corporation. 431,642; July 29; Serial No. 506,390; published May 6, 1947.
Records, Mechanically grooved phonograph. United Masters, Inc. 431,624; July 29; Serial No. 503,538; published Apr. 29, 1947.

CLASS 37

Paper, Drawing and tracing. Technical Supply Company. 60,176; re-renewed Jan. 29, 1947. O. G. July 29.
Paper, Tracing. Clearprint Paper Company. 431,702; July 29.
Pencils, Mechanical. Malko & Lock Machine Products. 431,703; July 29.

CLASS 38

Books. Postalending Library Club, Inc. 431,697; July 29.
Magazine, Bi-monthly. Wood Construction Publishing Co. 431,700; July 29.
Magazines and books. George Banta Publishing Company. 228,359; renewed May 31, 1947. O. G. July 29.
Newspaper, Daily. Times Publishing Company, Inc. 227,871; renewed May 17, 1947. O. G. July 29.

CLASS 39

Clothing, Men's and boys'. Sanders Clothes, Inc. 431,699; July 29.
Gloves, Combined leather and fabric. Booster Glove Company, The. 220,052; renewed Nov. 2, 1946. O. G. July 29.
Gloves, Combined leather and fabric. Booster Glove Company, The. 220,065; renewed Nov. 2, 1946. O. G. July 29.
Shields, Splash. C. F. Norlin. 431,704; July 29.
Suits and overcoats, Men's. Selber Bros., Inc. 226,261; renewed Apr. 5, 1947. O. G. July 29.
Sweaters and bathing suits. Maiden Knitting Mills. 228,468; renewed May 31, 1947. O. G. July 29.
Underwear of knitted rayon, Women's. Luxuray, Inc. 223,629; renewed Feb. 8, 1947. O. G. July 29.

CLASS 42

Cotton piece goods. Turner Halsey Co. 228,343; renewed May 31, 1947. O. G. July 29.
Cotton piece goods, and cotton blankets. Nashua Manufacturing Company. 62,158; re-renewed Apr. 23, 1947. O. G. July 29.
Percales. Rice-Stix Dry Goods Company. 62,558; re-renewed May 14, 1947. O. G. July 29.

CLASS 46

Bakery product. Specialty Development Company. 431,587; July 29; Serial No. 494,290; published May 6, 1947.
Cake and cookies. Grocers Baking Company. 223,785; renewed Feb. 8, 1947. O. G. July 29.
Cakes and cookies. Hanscom Baking Corporation. 431,633–4; July 29; Serial Nos. 505,825–6; published May 6, 1947.
Candy. Lovell and Covel Company. 431,556; July 29; Serial No. 448,735; published May 6, 1947.
Candy. Lovell and Covel Company. 431,557; July 29; Serial No. 458,077; published May 6, 1947.
Candy, crystallized ginger, preserved ginger, etc. R. U. Delapenha & Co., Inc. 225,701; renewed Mar. 22, 1947. O. G. July 29.
Canned fruit and vegetables. Fennville Canning Co. 227,476; renewed May 10, 1947. O. G. July 29.
Chocolate, sweet and unsweetened, and cocoa. Runkel Brothers Incorporated. 61,066; re-renweed Mar. 5, 1947. O. G. July 29.
Chocolates, candy, and nut meats. N. Nassar. 431,585; July 29; Serial No. 493,929; published May 6, 1947.
Fish, creole gumbo and creole court-bouillon, Frozen shell. E. S. Ernst. 431,575; July 29; Serial No. 491,002; published May 6, 1947.
Fruits and fresh grapes, Fresh deciduous. M. & S. Farms. 431,573; July 29; Serial No. 488,825; published May 6, 1947.
Ice cream, frozen confections, fluid milk, etc. Southern Dairies, Inc. 431,559; July 29; Serial No. 479,994; published May 6, 1947.
Ice cream, ice cream tarts, sherbets, etc. Southern Dairies, Inc. 431,561; July 29; Serial No. 479,997; published May 6, 1947.
Ice cream, ices, sherbets, etc. Southern Dairies, Inc. 431,560; July 29; Serial No. 479,996; published May 6, 1947.
Ice cream, ices, sherbets, etc. Southern Dairies, Inc. 431,562; July 29; Serial No. 479,999; published May 6, 1947.
Macaroni. Jellum, Inc. 431,657; July 29; Serial No. 509,008; published May 6, 1947.
Milk, cream, buttermilk, etc. Southern Dairies, Inc. 431,565; July 29; Serial No. 480,802; published May 6, 1947.
Nuts, Shelled edible. Charles A. Peterson Company. 431,574; July 29; Serial No. 488,926; published May 6, 1947.
Pectin. Douglas Pectin Corporation. 228,213; renewed May 24, 1947. O. G. July 29.
Tea. Dwinell-Wright Company. 227,583; renewed May 10, 1947. O. G. July 29.

CLASS 47

Champagne. F. U. Swarts. 58,571; re-renewed Dec. 18, 1946. O. G. July 29.

CLASS 48

Beer. Chr. Heurich Brewing Co. 30,124; re-renewed June 1, 1947. O. G. July 29.

CLASS 50

Caps, Milk bottle. Basca Manufacturing Co., Inc. 431,607; July 29; Serial No. 499,196; published Apr. 29, 1947.
Figuernes and statuettes. Sasha Studios. 431,572; July 29; Serial No. 488,708; published May 6, 1947.
Mats, bath tub mats, kitchen sink mats, etc., Table place. J. E. Baker. 431,606; July 29; Serial No. 499,195; published Apr. 29, 1947.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cramer, Stanley S., Haddon Heights, N. J. Solenoid type of electromagnet. Re. 22,902; July 29.

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 749; July 29.
Conard-Pyle Company, The, assignee: *See*— De Vink, John.
De Vink, John, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 748; July 29.
Hill, Joseph H., Company, assignee: *See*— Byrum, Roy L.
Symonds, Henry J., Decorah, Iowa. Carnation plant. 750; July 29.

LIST OF DESIGN PATENTEES

Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Combined score table and score projector or similar article. 147,211; July 29.
Brunswick-Balke-Collender Company, The, assignee: *See*— Anderson, Robert I., and Hoeker.
Davock, Alfred M., Birmingham, assignor to The Jam Handy Organization, Inc., Detroit, Mich. Photographic film projector. 147,212; July 29.
Dawer, Sigmund, New York, N. Y. Ear clip or similar article. 147,213; July 29.
Dawer, Sigmund, New York, N. Y. Ear clip or similar article. 147,214; July 29.
Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Brush for a suction cleaner or similar article. 147,215; July 29.
Fisher, Frederic H., assignor to Syracuse Ornamental Co. Inc., Syracuse, N. Y. Pipe rack. 147,216; July 29.
Guth, Oscar, New York, N. Y. Pendant or similar article. 147,217; July 29.
Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Belt buckle. 147,218; July 29.
Hoeker, Bert: *See*— Anderson, Robert I., and Hoeker.
Hoover Company, The, assignee: *See*— Dreyfuss, Henry.
Jam Handy Organization, Inc., The, assignee: *See*— Davock, Alfred M.
Lochridge, Bertha M., Syracuse, N. Y. Toy dog. 147,219; July 29.
Milwaukee Saddlery Company, assignee: *See*— Hampel, John R.
Naidish, Abraham, North Bergen, N. J. Sweater or similar article. 147,220; July 29.
Sahley, Lloyd, Cleveland, Ohio. Soap dish. 147,221; July 29.
Streib, Lillian, Stratford, Conn. Game board. 147,222; July 29.
Syracuse Ornamental Co. Inc., assignee: *See*— Fisher, Frederic H.
Whiteford, Errington A., Darien, Conn. Paper or the like. 147,223; July 29.
Zakwin, David D., Los Angeles, Calif. Bracelet or similar article. 147,224; July 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbrecht, Hermann R., Shaker Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Power transmission mechanism. 2,424,873; July 29.

Abraham, David: *See*—
Greene, Gardiner G., and Abraham.

Acme Steel Company, assignee: *See*—
Spiller, William R., and Niederhauser.

Acrotorque Company, The, assigne: *See*—
Orshansky, Elias, Jr.

Adam, Frank, Electric Company, assignee: *See*—
Adam, Frederick B., Green, and Stieglitz.

Adam, Frederick B., St. Louis County, F. S. Green, and H. M. Stieglitz, assignors to Frank Adam Electric Company, St. Louis, Mo. Circuit interrupting device. 2,424,909; July 29.

Adams, Charles, Jr., Crton-on-Hudson, N. Y. Pipe coupling. 2,424,542; July 29.

Adams, William H., Jr., assignor to Haveg Corporation, Newark, Del. Making a phenol formaldehyde molding composition. 2,424,787; July 29.

Aktiengesellschaft der Eisen- und Stahlverke vormals Georg Fischer, assignee: *See*—
Mynssen, Jacob W.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive device. 2,424,543; July 29.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine locomotive. 2,424,676; July 29.

Albert, Harry E., Akron, Ohio, and R. J. Reid, Fair Lawn, N. J., assignors to The Firestone and Rubber Company, Akron, Ohio. Beneficiation of chlorine-containing rubber derivatives. 2,424,920; July 29.

Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Apparatus for making confectionery. 2,424,950; July 29.

Allen, Walter S.: *See*—
Bell, Harry A., and Allen.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Harrer, Paul H.

All-Steel-Equip Company, assignee: *See*—
Kelerleber, Arthur P.

Alsdorf, James W., Winnetka, Ill., assignor, by mesne assignments, to Cory Corporation. Grinding annular surfaces. 2,424,544; July 29.

American Can Company, assignee: *See*—
Eckman, George E.
Peters, John F.

American Locomotive Company, assignee: *See*—
Gunter, Addison Y.

American Rolling Mill Company, The, assignee: *See*—
White, Harold I.

American Steel Foundries, assignee: *See*—
Light, David M.

American Viscose Corporation, assignee: *See*—
Conti, John D.
Curtis, Dale M.
Delano, William R. P.

Andreasen, Juel L., Salinas, Calif. Dentist's mobile equipment unit. 2,424,729; July 29.

Andress, Harry J., Jr.: *See*—
Reiff, Orland M., Hartough, and Andress.

Anthracite Equipment Corporation, The, assignee: *See*—
Johnson, Raymond C.

Armstrong Cork Company, assignee: *See*—
Hill, Ralph M.

Arnott, David D.: *See*—
Coverley, Robert H., and Arnott.

Aronheim, Edward, Detroit, Mich. Shower cabinet for bathtubs. 2,424,537; July 29.

Attorney General of the United States: *See*—
Béhin, Raymond.

Automatic Voting Machine Corporation, assignee: *See*—
Gustavson, Alvin H.

Autopoint Company, assignee: *See*—
Bauer, Hans A., Woods, and Beckstrom.

Aves, Fred J., Beverly Hills, assignor to V. A. Marco, Los Angeles, Calif. Light shutter and dimmer. 2,424,575; July 29.

Avial, Juan B., assignee: *See*—
Perez, Jose U.

Babcock & Wilcox Company, The, assignee: *See*—
Smith, Charles S., and Rowand.

Bachman, Charles H., Scotia, and S. Ramo, Schenectady, N. Y., assignors to General Electric Company. Electron microscope. 2,424,788; July 29.

Bachman, Charles H., Scotia, and S. Ramo, Schenectady, N. Y., assignors to General Electric Company. Electron microscope. 2,424,789; July 29.

Bachman, Charles H., Scotia, and S. Ramo, Schenectady, N. Y., assignors to General Electric Company. Electron microscope. 2,424,790; July 29.

Bachman, Charles H., Scotia, and S. Ramo, Niskayuna, N. Y., assignors to General Electric Company. Electron microscope apparatus. 2,424,791; July 29.

Bailey, Howard: *See*—
Rush, George C., and Bailey.

Balassa, Ladislaus, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition comprising a vehicle containing drying oil-modified alkyd or phenol-formaldehyde resin pigment, litharge and calcium hydrate. 2,424,730; July 29.

Bard, Francis N., Highland Park, Ill. Revolving electrically conductive joint. 2,424,545; July 29.

Barrett, Howard J., Philadelphia, Pa. Janitor's truck. 2,424,644; July 29.

Bassick Company, The, assignee: *See*—
Herold, Walter F.

Bauer, Hans A., Prairie View, F. D. Woods, Glencoe, and G. L. Beckstrom, assignors to Autopoint Company, Chicago, Ill. Fountain pen. 2,424,731; July 29.

Bauer, Jordan V., Elmwood Park, and R. A. Selner, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Pregummed hanging material. 2,424,546; July 29.

Baumann, Henry N., Jr., and R. C. Benner, assignors to The Carborundum Company, Niagara Falls, N. Y. Fused aluminum oxide abrasive material. 2,424,645; July 29.

Beals, Gillson W., assignor to The Miller Company, Meriden, Conn. Lamp retainer for fluorescent lamps and the like. 2,424,874; July 29.

Beckstrom, Garfield L.: *See*—
Bauer, Hans A., Woods, and Beckstrom.

Beder, Samuel L., assignor of one-half to Irwin F. Mills Associates, New York, N. Y. Toy. 2,424,538; July 29.

Béhin, Raymond, Gennevilliers, France; vested in the Attorney General of the United States. Wall construction. 2,424,547; July 29.

Beich, Paul F., Company, assignee: *See*—
Alikonis, Justin J.

Bell Aircraft Corporation, assignee: *See*—
Williams, William W.

Bell, Harry A., and W. S. Allen, Detroit, Mich. Sink trap. 2,424,548; July 29.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Black, Robert, Jr., and Romanow.
Brown, Henry B.
Edwards, Paul G., and Robertson.
Halbrook, Warwick W.
Lang, Wilmarth Y.
Mason, Warren P.

Belluche, Elmer W. and F. R., assignors to The Christensen Machine Company, Racine, Wis. Paper sheet varnisher and printing machine. 2,424,732; July 29.

Belluche, Frank R.: *See*—
Belluche, Elmer W. and F. R.

Belmont Radio Corporation, assignee: *See*—
Plensler, Alexander W.

Bendix Aviation Corporation, assignee: *See*—
Goepfrich, Rudolph A.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.

Benner, Raymond C.: *See*—
Baumann, Henry N., Jr., and Benner.

Benson, Jesse M., Concord, Tenn., assignor to Sasgen Derrick Co., Chicago, Ill. Safety scaffold winch. 2,424,910; July 29.

Benson, Merle K., Benton Harbor, Mich. Birdhouse. 2,424,733; July 29.

Berman, Paul, Philadelphia, Pa. Collapsible clothes drier. 2,424,646; July 29.

Bernkull, Oscar H., Goteborg, Sweden. Antiskid device. 2,424,647; July 29.

Binns, Frank: *See*—
Glendinning, Edward, and Binns.

Bird Machine Company, assignee: *See*—
Downes, Frank A.

Bishop, John A., Woodside, N. Y., assignor to Johnson Research Corporation. Spring paper punch. 2,424,539; July 29.

Bixby, Willard F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Continuously transforming a dispersion of a rubbery material into sheets. 2,424,648; July 29.

Black, Robert, Jr., South Orange, and F. F. Romanow, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal detector or receiver. 2,424,549; July 29.

Blum, Albert J., Maplewood, assignor to Mt. Vernon Farm Dairy, Pittstown, N. J. Cooling apparatus. 2,424,792; July 29.

Bodin, George, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,424,911; July 29.

Bogoslowsky, Boris, Jackson Heights, N. Y. Apparatus for making convolute wound tubing from sheet material. 2,424,540; July 29.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Sectional ironing board having foldable supports. 2,424,734; July 29.

Booth, Harry O., Richmond, Calif. Book-marker. 2,424,541; July 29.

Boothroyd, Wilson P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control apparatus. 2,424,735; July 29.

Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making molds. 2,424,919; July 29.

Bosomworth, George P., and H. G. Hager, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Vulcanizing apparatus. 2,424,915; July 29.

Bracke, Oscar J. J., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electric ringer. 2,424,550; July 29.

Brady, George W., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Reinforced propeller blade. 2,424,875; July 29.

Brams, Stewart L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Rubber composition and making same. 2,424,736; July 29.

Brannock, Arlyss H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bending machine for reclaiming deformed machine gun belt links. 2,424,917; July 29.

Breul, Frederic W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,424,793; July 29.

Breyfogle, Paul L.: *See*—
Steadman, Thomas R., and Breyfogle.

Briggs, Thomas H. and W. H., assignors to Burman & Sons Limited, Birmingham, England. Steering control mechanism. 2,424,912; July 29.

Briggs, Walter H.: *See*—
Briggs, Thomas H. and W. H.

British Celanese Limited, assignee: *See*—
Olpin, Henry C., and Wright.

Broglie, Francis J., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying apparatus. 2,424,737; July 29.

Bromander, Wilhelm B., Montclair, N. J. Valve mechanisms. 2,424,738; July 29.

Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Load-responsive fluid-pressure brake for vehicles. 2,424,913; July 29.

Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Surface hardening of ferrous metal by self-quenching. 2,424,794; July 29.

Brown, Henry B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controlling mechanism. 2,424,551; July 29.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pivotal joint. 2,424,914; July 29.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tubeless tire and rim. 2,424,918; July 29.

Brownlee, Allan L., Itasca, Ill. Approach protective apparatus. 2,424,677; July 29.

Builders Iron Foundry, assignee: *See*—
Miner, Irving O.

Buist, Jack M., D. A. Harper, W. F. Smith, and G. N. Welding, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Paraformaldehyde treatment of reaction products of diisocyanate with linear polyesters and linear polyester-amides and products resulting therefrom. 2,424,885; July 29.

Burman & Sons Limited, assignee: *See*—
Briggs, Thomas H. and W. H.

Burndy Engineering Company, Inc., assignee: *See*—
Rogoff, Julian, and Matthysse.

Burns, Bruce, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Reenforced elliptical oil cooler. 2,424,795; July 29.

Burns, Thomas S., Chicago, Ill. Weedless fishhook guard. 2,424,599; July 29.

Butler, Johnnie R., Fort Worth, Tex. Gangway. 2,424,876; July 29.

C. A. V. Limited, assignee: *See*—
Nicolls, Wilfrid E. W.

Cadous, Esther, New York, N. Y. Garment. 2,424,600; July 29.

Canady, Don, Cleveland, Ohio. Motion picture projector. 2,424,739; July 29.

Carborundum Company, The, assignee: *See*—
Baumann, Henry N., Jr., and Benner.

Carlson, Wendell L., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne radio altimeter or locator. 2,424,796; July 29.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Wells, Joseph H., and Wilson.

Carr, Edward L.: *See*—
Smith, George E. P., Jr., and Carr.

Casciani, Ferri, Lewiston, assignor to Niagara Alkali Company, Niagara Falls, N. Y. Purification of cellulosic material. 2,424,797; July 29.

Chamberlain, Frederic W., and A. J. Klute, assignors to The Warren Featherbone Co., Three Oaks, Mich. Shaped featherbone material and making same. 2,424,740; July 29.

Chambers, Edward J., assignor of forty-nine per cent to J. B. Whigam, Chicago, Ill. Auto jack. 2,424,741; July 29.

Chandler & Price Company, The, assignee: *See*—
Root, Charles F.

Chernow, Michael, New York, N. Y. Jewelry chain. 2,424,924; July 29.

Chicago Roller Skate Company, assignee: *See*—
Ware, Robert R., Jr.

Chisholm-Ryder Company, Incorporated, assignee: *See*—
De Back, William.

Christensen Machine Company, The, assignee: *See*—
Belluche, Elmer W. and F. R.

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,424,798; July 29.

Clemmer, Julius B., and C. Rampacek, Tuscaloosa, Ala. Froth flotation of nonmetallic minerals. 2,424,552; July 29.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Coetzee, Matthys J. U., Nigel, Transvaal, Union of South Africa. Rotary planter. 2,424,742; July 29.

Collinson, Frederick B., Litherland, Liverpool, England. Machine for and method of cutting shaped pieces from sheet material. 2,424,678; July 29.

Colombo, Tullio, Milan, Italy. Traction-increasing wheel. 2,424,799; July 29.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Newman, Douglas A.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Mantle, Hermon L.

Connell, Frederick T.: *See*—
Jones, John M., and Connell.

Connell, Isabel L., administratrix: *See*—
Jones, John M., and Connell.

Conrad, Ivan W., Alexandria, Va. Noise reduction device in radio receivers. 2,424,925; July 29.

Conti, John D., Philadelphia, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Package of rolls of sheet material. 2,424,553; July 29.

Continental Can Company, Inc., assignee: *See*—
Stevenson, Arthur E., and Schaub.

Cook, James G., D. A. Harper, R. J. W. Reynolds, and W. F. Smith, Blackley, Manchester, England, assignors to Imperial Industries Limited. Sulfur vulcanization of unsaturated reaction products of diisocyanate with linear polyesters and linear polyester-amides and products resulting therefrom. 2,424,884; July 29.

Cornu, Pierre L. C., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,424,554; July 29.

Cory Corporation, assignee: *See*—
Alsdorf, James W.

Coverley, Robert H., and D. D. Arnott, Gloucester, England, assignors to Rotol Limited. Cylinder construction. 2,424,800; July 29.

Cowles Company, The, assignee: *See*—
Cowles, Edwin.

Cowles, Edwin, Cayuga, N. Y., assignor to The Cowles Company, Princeton, N. J. Apparatus for disseminating materials in liquids. 2,424,679; July 29.

Crabbe, Lindsay T., Chicago, Ill., and D. C. Lathrop, Los Angeles, Calif., assignors to Phoenix Metal Cap Company, Chicago, Ill. Closure means for containers. 2,424,801; July 29.

Crawford, William E., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Weight calculator for vertical balancing. 2,424,877; July 29.

Crook, William M., assignor to Reed Roller Bit Company, Houston, Tex. Bonding a liner within a bore. 2,424,878; July 29.

Crosby, Stephen A., assignor, by mesne assignments, to Speed Products Co., Inc., New York, N. Y. Stapling machine. 2,424,649; July 29.

Crouch, Joel E., State College, Pa. Icosahedral map. 2,424,601; July 29.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Rubber valve stem. 2,424,802; July 29.

Curtis, Dale M., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Cutting apparatus. 2,424,555; July 29.

Curtiss-Wright Corporation, assignee: *See*—
Brady, George W.
Custer, Willard R., Hagerstown, Md. Multiple propeller wing channel. 2,424,556; July 29.
Dach, Max, Flushing, N. Y. Air tank. 2,424,879; July 29.
Darby, Douglas, assignee: *See*—
Swain, Frank E.
Daven Company, The, assignee: *See*—
Doucette, Edmund.
Davenport Machine and Foundry Company, assignee: *See*—
Scherer, Charles F., and Popp.
Davis, Archibald H., Washington, D. C. Composite textile strand and fabric. 2,424,743; July 29.
Dayton Acme Co., assignee: *See*—
McMath, Marl.
De Back, William, assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Horizontal rotary abrading drum for peeling fruit and vegetables. 2,424,803; July 29.
De Bra, Donald W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Composite article and manufacture. 2,424,557; July 29.
Delano, William R. P., New York, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Apparatus for heat sealing. 2,424,558; July 29.
De Marco, Louis, assignee: *See*—
Preneta, Peter A.
Den Hertog, Martinus: *See*—
Simon, Stephane, Kruithof, and den Hertog.
Dennison Manufacturing Company, assignee: *See*—
Towne, Harold G., and Peterson.
De Swart, Jan, Los Angeles, Calif., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Pass-through insulator. 2,424,804; July 29.
De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Flush rivet. 2,424,602; July 29.
De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. High-frequency magnetron. 2,424,805; July 29.
Dicken, Paul and R., Dysart, Iowa. Face and neck protector for hair dryers. 2,424,744; July 29.
Dicken, Ruth: *See*—
Dicken, Paul and R.
Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Gun turret swivel. 2,424,650; July 29.
Dill Manufacturing Company, The, assignee: *See*—
Crowley, John C.
Dillon, Harry R., Niagara Falls, N. Y. Hand loom. 2,424,880; July 29.
Doucette, Edmund, assignor to The Daven Company, Newark, N. J. Electrical switch. 2,424,745; July 29.
Downer, Elon H., assignee: *See*—
Pelham, Harry D.
Downes, Frank A., Westport, Conn., assignor, by mesne assignments, to Bird Machine Company, Walpole, Mass. Cement manufacture. 2,424,746; July 29.
Dowty, George H., Cheltenham, England. Emergency extension mechanism. 2,424,926; July 29.
Doyle, Mary R., Danville, Calif. Paper bib. 2,424,680; July 29.
Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Control for variable pitch propellers. 2,424,559; July 29.
Dubner, Harry J., Forest Hills, N. Y. Foundation garment. 2,424,651; July 29.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Balassa, Ladislaus.
Ernsberger, Maurice L., anud Pinkney.
Ford, Thomas A.
Heckert, Winfield W.
McQueen, David M.
Raasch, Maynard S.
Dutro, Harold, trustee, assignee, et al.: *See*—
French, Elby E.
Duzzel Corporation, assignee: *See*—
Handy, James O.
Dzus, William, West Islip, N. Y. Fastening device. 2,424,603; July 29.
Dzus, William, West Islip, N. Y. Fastening means. 2,424,604; July 29.
Earp, Charles W., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Visual course indicator for radio directive systems. 2,424,560; July 29.
Eastman Kodak Company, assignee: *See*—
Scull, Herbert G.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism for vehicle steering gear. 2,424,806; July 29.
Eberhart, Clem, Goshen, Ind. Sleeve puller. 2,424,681; July 29.
Ebert, Walter, assignor to Tri-Clover Machine Co., Kenosha, Wis. Sanitary pipe joint. 2,424,682; July 29.
Eckman, George E., Oradell, N. J., assignor to American Can Company, New York, N. Y. Piercing device for filling batteries. 2,424,807; July 29.
Eckman, Meril L., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Galvanizing apparatus. 2,424,808; July 29.
Edgar, Kenneth L., Cuyahoga Falls, F. W. Stavely, Akron, Ohio, and C. K. Novotny, Des Moines, Iowa, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Fibrous laminate and process of making same. 2,424,923; July 29.
Edmonson, William H., Jr., Bridgewater, Va. Featherable pin type oarlock. 2,424,605; July 29.
Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Selsyn controlled electric motor system. 2,424,809; July 29.
Edwards, Paul G., Verona, N. J., and D. D. Robertson, Hartsdale, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for locating the source of an explosion wave. 2,424,561; July 29.
Edwards, William S.: *See*—
Voight, Henry G., and Edwards.
Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and McCullough.
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,424,683; July 29.
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Multiunit electron tube. 2,424,684; July 29.
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Multiunit electron tube. 2,424,685; July 29.
Electric & Musical Industries Limited, assignee: *See*—
Mansford, Hugh L.
Electric Railway Equipment Company, The, assignee: *See*—
Gallaher, Clyde O.
Electric Steel Foundry, assignee: *See*—
Haun, Joye C., and R. E. and H. H. Richmond.
Ellis, Norman S., Hamilton, Ontario, Canada, assignor to Metal Textile Corporation, West Orange, N. J. Scouring device. 2,424,747; July 29.
Engler, Max, assignor to The General Tire & Rubber Company, Akron, Ohio. Printing device. 2,424,606; July 29.
English, Joseph B., Atlanta, Ga. Picture frame. 2,424,686; July 29.
Ernsberger, Maurice L., and P. S. Pinkney, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhydric alcohol esters of phenoxyacetoxyacetic acid. 2,424,652; July 29.
Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Housing and conveyor connections for screw conveyors. 2,424,810; July 29.
Fairey Aviation Company, Limited, assignee: *See*—
Welham, Geoffrey L. F.
Fall, Albert P., Toledo, Ohio. Piston ring assembly. 2,424,881; July 29.
Farnsworth Television and Radio Corporation, assignee: *See*—
Roman, Alfred F.
Farrel-Birmingham Company, Inc., assignee: *See*—
Schnuck, Carl F.
Firestone Tire and Rubber Company, The, assignee: *See*—
Albert, Harry E., and Reid.
Bosomworth, George P.
Bosomworth, George P., and Hager.
Brannock, Arlyss H.
Brown, Roy W.
Edgar, Kenneth L., Stavely, and Novotny.
Sadon, Edwin J.
Smith, George E. P., Jr., and Carr.
Stedman, Theodore W.
First Industrial Corporation, assignee: *See*—
Riche, Arthur L.
Fisher, Herman G., assignor to Fisher-Price Toys, Inc., East Aurora, N. Y. Action toy. 2,424,607; July 29.
Fisher-Price Toys, Inc., assignee: *See*—
Fisher, Herman G.
Ford Motor Company, assignee: *See*—
Groven, Fredrick, and Pioch.
Ford, Thomas A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of ethyl, alpha, alpha-dimethyl butyrate. 2,424,653; July 29.
Fragola, Caesar F., East Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Gyro flux valve compass system. 2,424,562; July 29.
Freed, Meyer L., Ansonia, assignor to The Seymour Manufacturing Co., Seymour, Conn. Homogeneous flaked catalyst composition and its preparation. 2,424,811; July 29.
French, Elby E., Denver, Colo., assignor to H. V. James, R. Turner, and H. Dutro, as trustees for the O. K. Rubber Welding System. Tire tread. 2,424,608; July 29.
Friedmann, Martin, Jr., Norfolk, Va. Footwear. 2,424,609; July 29.

Gallaher, Clyde O., Beckley, W. Va., assignor to The Electric Railway Equipment Company, Cincinnati, Ohio. Safety power extension and junction box. 2,424,812; July 29.
Gamble, Slade L., assignor to Lindberg Engineering Company, Chicago, Ill. Fluid mixing device. 2,424,654; July 29.
Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
Burns, Bruce.
Garvey, Thomas H., Natick, and P. V. Scally, Randolph, Mass. Air heating and humidifying apparatus. 2,424,927; July 29.
Gegner, Paul J., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Caustic resistant coatings. 2,424,813; July 29.
General Electric Company, assignee: *See*—
Bachman, Charles H., and Ramo.
De Walt, Kenneth C.
Edwards, Martin A.
Jackson, Frederick R., Jr.
Kenefake, Edwin W.
Safford, Moyer M.
General Motors Corporation, assignee: *See*—
Brams, Stewart L.
De Bra, Donald W.
Haines, John F.
General Railway Signal Company, assignee: *See*—
Judge, Thomas J.
General Tire & Rubber Company, The, assignee: *See*—
Engler, Max.
Schwall, Chester F., Jr.
Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Conjoint polymerization product of dicarboxylic compounds and vinylic compounds. 2,424,814; July 29.
Gilbert, Harry R. T., Los Angeles, Calif. Presser foot for cloth cutting machines. 2,424,748; July 29.
Gillette Safety Razor Company, assignee: *See*—
Testi, Nicholas.
Glendinning, Edward, Huddersfield, and F. Binns, Bradford, England. Weaving and woven fabrics. 2,424,928; July 29.
Globe Hoist Company, assignee: *See*—
Thompson, Elmer B.
Globus, Alfred R., Forest Hills, N. Y. Making mixtures of emulsifying and wetting agents. 2,424,951; July 29.
Gluhareff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Horizontal stabilizer for rotary wing aircraft. 2,424,882; July 29.
Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Rotating combustion apparatus. 2,424,610; July 29.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake adjustor. 2,424,655; July 29.
Gohorel, Fernand P., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Private automatic branch exchange system. 2,424,563; July 29.
Goldblatt, Charles, New York, N. Y. Coupling for bands or the like. 2,424,656; July 29.
Goodman, Harry, Britton, Okla. Liquid level control device for pumping units. 2,424,657; July 29.
Goodman Manufacturing Company, assignee: *See*—
Bodin, George.
Goodrich, B. F., Company, The, assignee: *See*—
Bixby, Willard F.
Steadman, Thomas R.
Steadman, Thomas R., and Breyfogle.
Gorton-Pew Fisheries Company, Ltd., assignee: *See*—
Hempel, Herbert.
Grant, Leona H., Highland Park, Mich. Hair curler. 2,424,815; July 29.
Grassi, Louis, Los Angeles, Calif. Compact or vanity. 2,424,817; July 29.
Graydon, George E., Windsor, Ontario, Canada. Location indicator having an endless web and sliding name plate to cover and uncover indications on the web. 2,424,611; July 29.
Green, Floyd S.: *See*—
Adam, Frederick B., Green, and Stieglitz.
Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.
Greene, Gardiner G., Waban, and D. Abraham, Waltham, assignors to Workshop Associates, Incorporated, Newton, Mass. Conductor support. 2,424,687; July 29.
Grimes, Warren G., Urbana, Ohio. Quick detachable landing light for airplanes. 2,424,688; July 29.
Groven, Fredrick J., Highland Park, and W. F. Pioch, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Apparatus for induction heating of gears and like objects. 2,424,816; July 29.
Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.
Gunter, Addison Y., Larchmont, assignor to American Locomotive Company, New York, N. Y. Fin-tube. 2,424,612; July 29.
Gustafson, August W., Corpus Christi, Tex. Christmas tree stand. 2,424,818; July 29.
Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,424,613; July 29.
Guttridge, Stanley, Wanstead, London, England. Roller and other skates. 2,424,819; July 29.
Habgood, Bernard J., D. A. Harper, and R. J. W. Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Paraformaldehyde modified reaction products of diisocyanates with linear polyester polyamide. 2,424,883; July 29.
Hager, Hans G.: *See*—
Bosomworth, George P., and Hager.
Haines, John F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Propeller pitch control. 2,424,749; July 29.
Halbrook, Warwick W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Geared speed reducer with means for adjusting backlash. 2,424,564; July 29.
Haley Cate Company, Inc., assignee: *See*—
Stuart, Ethan A.
Hall, Harry T.: *See*—
Strohecker, Henry R., and Hall.
Hall, Hugh M., White Swan, Wash. Irrigation ditch plow. 2,424,820; July 29.
Hamill, Ret O., Elmhurst, N. Y. Demand meter. 2,424,689; July 29.
Hamilton, Harry C., Compton, Calif. Shaft seal. 2,424,690; July 29.
Hamilton Watch Company, assignee: *See*—
Luckey, George P., and Schwalm.
Handy, James O., Orlando, Fla., assignor to Duzzel Corporation, Dover, Del. Wax emulsions. 2,424,952; July 29.
Haney, Lawrence A., St. Paul, Minn. Post handling jack. 2,424,929; July 29.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,424,986; July 29.
Hansford, Rowland C.: *See*—
Myers, Claude G., Hansford, and Sachanen.
Hansford, Rowland C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Interpolymerization of thiophene with vinyl esters of organic fatty acids. 2,424,691; July 29.
Hanson, Theodore, Minneapolis, Minn. Fish stringer. 2,424,658; July 29.
Harper, David A.: *See*—
Buist, Jack M., Harper, Smith, and Welding.
Cook, James G., Harper, Reynolds, and Smith.
Habgood, Bernard J., Harper, and Reynolds.
Harrer, Paul H., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Baling machine. 2,424,821; July 29.
Harshberger, Charles W., Portland, Oreg. Lumber handling device. 2,424,692; July 29.
Hartley, Elvin C., Portland, Oreg. Excavator. 2,424,822; July 29.
Hartman, William W., Los Angeles, Calif. Band blade slicing machine. 2,424,659; July 29.
Hartough, Howard D.: *See*—
Reiff, Orland M., Hartough, and Andress.
Hathaway, Claude M., Denver, Colo., assignor to Hathaway Instrument Company. Galvanometer movement mounting. 2,424,823; July 29.
Hathaway Instrument Company, assignee: *See*—
Hathaway, Claude M.
Haun, Joye C., San Francisco, Calif., and R. E. and H. H. Richmond, assignors to Electric Steel Foundry, Portland, Oreg. Process and apparatus for treatment of gases. 2,424,614; July 29.
Haupert, William H.: *See*—
Hermo, Carl E., and Haupert.
Haveg Corporation, assignee: *See*—
Adams, William H., Jr.
Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for metering, in its bubble-free state, a bubble-containing fluid. 2,424,750; July 29.
Heckert, Winfield W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pumping. 2,424,751; July 29.
Heermans, Thaddeus A., Dallas, Tex. Tamper pliers. 2,424,752; July 29.
Hempel, Herbert, Essex, assignor to Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Treating salt and product thereof. 2,424,615; July 29.
Henricks, John A., Ann Arbor, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Method and electrolyte for the electro-deposition of metals. 2,424,887; July 29.
Herlihy, William F., Haverhill, Mass. Shoe quarter moulding apparatus. 2,424,888; July 29.
Herman, Harold M., Steger, Ill. Paper moistening dispenser. 2,424,565; July 29.
Hermo, Carl E., Quincy, and W. H. Haupert, Portland, Oreg. Vehicle-mounted distillation apparatus for peppermint hay. 2,424,824; July 29.
Herold, Walter F., Easton, assignor to The Bassick Company, Bridgeport, Conn. Tilting chair. 2,424,753; July 29.

Heron, Amedee A. C., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,424,566; July 29.

Heyman Manufacturing Company, assignee: *See*—
Klumpp, Ferdinand, Jr.

Heymann, Seymour E., assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding system with combined valve and air vent. 2,424,754; July 29.

Hill, Ralph M., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Packing and making the same. 2,424,567; July 29.

Hogan, Charles A., Chicago Heights, Ill. Repairing open hearth furnace banks. 2,424,825; July 29.

Holmes, Tracy S., Vallejo, Calif. Airplane control system. 2,424,889; July 29.

Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon soles. 2,424,616; July 29.

Houdaille-Hershey Corporation, assignee: *See*—
Henricks, John A.

Howard, Frank C., Dearborn, Mich. Wobble plate engine. 2,424,660; July 29.

Howells, John N. M., Kittery, Maine. Tax calculator. 2,424,890; July 29.

Hoyle, Robert I., Camp Parks, Calif. Power steering mechanism for tractors. 2,424,617; July 29.

Hydraulic Impact Tool Company, assignee: *See*—
Warren, Charles F.

Imperial Chemical Industries Limited, assignee: *See*—
Buist, Jack M., Harper, Smith, and Welding.
Cook, James G., Harper, Reynolds, and Smith.
Habgood, Bernard J., Harper, and Reynolds.

Improved Carloading Company, assignee: *See*—
Nalbandian, Peter.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Parry, Vernon F.

International Derrick & Equipment Company, assignee: *See*—
Konkle, Charles R.

International Standard Electric Corporation, assignee: *See*—
Bracke, Oscar J. J.
Cornu, Pierre L. C.
Gohorel, Fernand P.
Heron, Amedee A. C.
Mauge, Marcel R.
Penet, Gabriel J. M.
Pouliart, Willy.
Simon, Stephane, Kruithof, and den Hertog.
Theillaumas, Clement M.
Willoughby, Eric O.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Isbister, Eric J.: *See*—
Moseley, Francis I., Isbister, and Steinhauser.

Isbister, Eric J., Brooklyn, N. Y., and F. L. Moseley, Chevy Chase, Md., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Self-synchronous positional control system. 2,424,568; July 29.

Jackson, Frederick R., Jr., Pittsfield, Mass., assignor to General Electric Company. Sequential electric switching system. 2,424,826; July 29.

Jackson, Jack J. A., Black Diamond, Wash. Leakproof stopper. 2,424,930; July 29.

James, Harold V., trustee, assignee, et al.: *See*—
French, Elby E.

Jay, Matthew C., Gary, Ind. Metal mold. 2,424,931; July 29.

Jenks, Frederic A., Rockville Centre, N. Y., assignor to Sperry Gyroscope Company, Inc. Cross pointer meter. 2,424,570; July 29.

Jessop Steel Company, assignee: *See*—
Townsend, Leyshon W.

Johnson, Raymond C., Philadelphia, Pa., assignor, by mesne assignments, to The Anthracite Equipment Corporation, New York, N. Y. Method and apparatus for burning solid fuels. 2,424,755; July 29.

Johnson Research Corporation, assignee: *See*—
Bishop, John A.

Jones, John M., and F. T. Connell, deceased, London, by I. L. Connell, administratrix, Southwick, assignor to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Fuzing unit for use in dropping bombs from aircraft. 2,424,618; July 29.

Jones, Joseph C., Memphis, Tenn. Signal device for mailboxes. 2,424,661; July 29.

Jones, Lewis H., Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio. Packaging cheese curd. 2,424,693; July 29.

Jones, Lloyd, assignor to M. S. Jones, North East, Pa. Hauling device. 2,424,694; July 29.

Jones, Margaret S., assignee: *See*—
Jones, Lloyd.

Jork, Walter, Montreal, Quebec, Canada. Ash tray. 2,424,695; July 29.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Remote-control system for railway signals. 2,424,696; July 29.

Juhasz, Stephen, Denver, Colo., assignor of fifty-one per cent to O. Menachof. Filter comprising a sediment trap and drain outlet. 2,424,932; July 29.

Kalmus, Henry P., Chicago, Ill. Radiation meter. 2,424,933; July 29.

Kaprelian, Edward K., Alexandria, Va. Extreme aperture objective. 2,424,827; July 29.

Kasper, Melvin E., Detroit, Mich. Projectile. 2,424,934; July 29.

Keep, Charles R., Norwood, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air mixing and distributing duct for air conditioning systems. 2,424,828; July 29.

Keepers, Cecil H., Nekoosa, assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Device for and method of measuring volume of wood in stacks. 2,424,619; July 29.

Keierleber, Arthur P., Aurora, Ill., assignor to All-Steel Equip Company. Cable clamp. 2,424,829; July 29.

Kenefake, Edwin W., Schenectady, N. Y., assignor to General Electric Company. Frequency modulation. 2,424,830; July 29.

Keystone Manufacturing Co., The, assignee: *See*—
Wenk, Edward A.
Wenk, Edward A. and R. B.

Kidde Manufacturing Co., Inc., assignee: *See*—
Werry, John A.

Kimball, A., Company, assignee: *See*—
Weimont, Joseph.

Kimmel, George P., Brookeville, Md. Hearing aid attachment for spectacles. 2,424,935; July 29.

Kirchhoff, Richard C., assignor to The Powers Regulator Company, Chicago, Ill. Thermostatic mixer for liquids. 2,424,891; July 29.

Klaber, Joseph H., Philadelphia, assignor to Quaker Chemical Products Corporation, Conshohocken, Pa. Composition for waterproofing and fireproofing textile material, and treated material. 2,424,831; July 29.

Klumpp, Ferdinand, Jr., Union, N. J. Self-locking bushing. 2,424,757; July 29.

Klumpp, Ferdinand, Jr., Union, assignor to Heyman Manufacturing Company, Kenilworth, N. J. Strain-relief bushing. 2,424,756; July 29.

Klumpp, Ferdinand, Jr., Union, assignor to Heyman Manufacturing Company, Kenilworth, N. J. Strain-relief bushing. 2,424,758; July 29.

Klumpp, Ferdinand, Jr., Union, assignor to Heyman Manufacturing Company, Kenilworth, N. J. Strain-relief bushing. 2,424,759; July 29.

Klute, Anthony J.: *See*—
Chamberlain, Frederic W., and Klute.

Koehring Company, assignee: *See*—
Mortag, Edward H.

Koerber, Walter L., Kingston, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Producing penicillin. 2,424,832; July 29.

Konkle, Charles R., assignor to International Derrick & Equipment Company, Columbus Ohio. Cable-gripping mechanism. 2,424,760; July 29.

Koppers Company, Inc., assignee: *See*—
Nickels, Joseph E.

Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Frequency comparison and control circuit. 2,424,833; July 29.

Korn, John J., Butte, Mont. Skip. 2,424,620; July 29.

Kruithof, Jacob: *See*—
Simon, Stephane, Kruithof, and den Hertog.

Kuffler, Roland I., Detroit, and S. M. Renfrew, Hazel Park, Mich. Stacking device. 2,424,761; July 29.

Lamparelli, Albert: *See*—
Scharf, Louis, and Lamparelli.

Lang, Wilmarth Y., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph alarm system. 2,424,571; July 29.

Lathrop, Donald C.: *See*—
Crabbe, Lindsay T., and Lathrop.

Lavin, Max, Philadelphia, Pa. Shoulder pad. 2,424,662; July 29.

Lear, Incorporated, assignee: *See*—
Lear, William P.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recorder. 2,424,607; July 29.

Lever Brothers Company, assignee: *See*—
Tainsh, Peter W.

Lewis, Rose, New York, N. Y. Combination nether garment. 2,424,698; July 29.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,424,936; July 29.

Lincoln, Roland L., Dover, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Dust collector. 2,424,572; July 29.

Lindberg Engineering Company, assignee: *See*—
Gamble, Slade L.

Linzell, Harry K., Long Lake, assignor to United States Gypsum Company, Chicago, Ill. Incendiary composition. 2,424,937; July 29.

Little, Arthur D., Inc., assignee: *See*—
Marek, Leroy F.

Lobelle, Marcel J. O., assignor to Messrs. R. Malcolm Limited, Slough, England. Slidable and releasable hood for aircraft. 2,424,834; July 29.

Lockheed Aircraft Corporation, assignee: *See*—
Richolt, Robert R.

Loeb, Moritz, New York, N. Y. Merchandise display card. 2,424,762; July 29.

Luckey, George P., and T. R. Schwalm, Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Surfacing small parts. 2,424,835; July 29.

Lundy, Beverly A., assignor to Railroad Accessories Corporation, New York, N. Y. Electrical connector. 2,424,938; July 29.

Malcolm, R., Messrs., Limited, assignee: *See*—
Lobelle, Marcel J. O.

Malek, Edward W.: *See*—
Streicker, Seymour F., and Malek.

Malke, Sven, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric resistance welding fixture. 2,424,892; July 29.

Mallory, Marion, Detroit, Mich. Engine governor. 2,424,836; July 29.

Mangan, Joseph B., Wethersfield, Conn. Clothesline apparatus. 2,424,837; July 29.

Mansford, Hugh L., Ickenham, assignor to Electric & Musical Industries Limited, Hayes, England. Amplifier circuits. 2,424,893; July 29.

Mantle, Hermon L., Painesville, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Removal of water from aqueous solutions. 2,424,663; July 29.

Marco, Vincent A., assignee: *See*—
Aves, Fred J.

Marco, Vincent A., Beverly Hills, Calif. Tell-tale and testing light. 2,424,573; July 29.

Marco, Vincent A., Beverly Hills, Calif. Signal light. 2,424,574; July 29.

Marek, Leroy F., Lexington, assignor to Arthur D. Little, Inc., Cambridge, Mass. Making carbon bisulfide. 2,424,894; July 29.

Marschak, Howard J., Chicago, Ill. Speed computing and map reading device. 2,424,763; July 29.

Marshall, William A., Jr., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Cabin pressure control apparatus. 2,424,764; July 29.

Marty, Amos R., Marion, Ohio. Manual massaging device. 2,424,699; July 29.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillator. 2,424,576; July 29.

Matthysse, Irving F.: *See*—
Rogoff, Julian, and Matthysse.

Mauge, Marcel R., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Long distance telephone signaling system. 2,424,577; July 29.

McClatchey, Marvin R., Jr., Atlanta, Ga. Shipping tags, labels or the like and method of making the same. 2,424,621; July 29.

McClure, Carroll D., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Timing device for recorders. 2,424,622; July 29.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Hot-air heater having means to re-circulate cooled gases. 2,424,765; July 29.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McCollough, Jack A.: *See*—
Eitel, William W., and McCollough.

McMath, Marl, Newport, Ky., assignor to Dayton Acme Co., Cincinnati, Ohio. Generator light. 2,424,700; July 29.

McQueen, David M., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-beta-cyanoethylalkanesulfonamides. 2,424,664; July 29.

Menachof, Oscar, assignee: *See*—
Juhasz, Stephen.

Merrill, James A., Barberton, assignor to Wingfoot Corporation, Akron, Ohio. Fuel tank casing. 2,424,701; July 29.

Metal Textile Corporation, assignee: *See*—
Ellis, Norman S.

Met-Elec Corporation, assignee: *See*—
Reitan, John A.

Miller Company, The, assignee: *See*—
Beals, Gilison W.

Miller, Elmer V., Duluth, Minn. Abrasive strip holder. 2,424,702; July 29.

Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.

Miner, Irving O., East Providence, assignor to Builders Iron Foundry, Providence, R. I. Telemetric apparatus. 2,424,766; July 29.

Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Jones, John M., and Connell.

Moffett, Eugene W., Milwaukee, Wis., and R. E. Smith, New York, N. Y., assignors to Pittsburgh Plate Glass Company. Conjoint polymerization products. 2,424,838; July 29.

Monsarrat, Nicholas, Seekonk, Mass., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Drying means for garment pressing machines. 2,424,623; July 29.

Moore, Elijah F., Laurinburg, N. C. Combined cap and shield. 2,424,624; July 29.

Morgan, Edward M., Westmount, Quebec, Canada. Egg beating device. 2,424,703; July 29.

Mortag, Edward H., assignor to Koehring Company, Milwaukee, Wis. Wheel and axle unit. 2,424,578; July 29.

Morton, Harry E., assignor to B. F. Sturtevant Company, Boston, Mass. Spin vanes control device for cooling fans in aircraft engines. 2,424,839; July 29.

Moseley, Francis L.: *See*—
Isbister, Eric J., and Moseley.

Moseley, Francis L., Chevy Chase, Md., E. J. Isbister, Brooklyn, and H. B. Steinhauser, Jersey City, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electric motor follow-up system. 2,424,569; July 29.

Moses, Barney H., De Ridder, La. Veterinarian's instrument. 2,424,767; July 29.

Mt. Vernon Farm Dairy, assignee: *See*—
Blum, Albert J.

Moyer, Malcolm B., Syracuse, N. Y. Trestle and bracket therefor. 2,424,939; July 29.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Fabricated wheel structure. 2,424,704; July 29.

Muise, John, Everett, Mass. Clamping device. 2,424,940; July 29.

Murphy, William H., Chicago, Ill. Drafting apparatus. 2,424,840; July 29.

Musser, Rawley H., and L. J. White, Salem, Va. Wheel gear. 2,424,941; July 29.

Myers, Claude G., Bryn Mawr, Pa., and R. C. Hansford and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Isomerization of paraffins in the presence of nascent aluminum halide and a heterocyclic compound. 2,424,953; July 29.

Mynssen, Jacob W., assignor to Aktiengesellschaft der Eisen- und Stahlverke vormals Georg Fischer, Schaffhauser, Switzerland. Self-locking equalizing drive. 2,424,942; July 29.

Nalbandian, Peter, assignor to Improved Carloading Company, Fresno, Calif. Car squeeze. 2,424,768; July 29.

Nekoosa-Edwards Paper Company, assignee: *See*—
Keepers, Cecil H.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Preparing hectographic ink. 2,424,954; July 29.

Newport Industries, Inc., assignee: *See*—
Palmer, Robert C.

Niagara Alkali Company, assignee: *See*—
Casciani, Ferri.

Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Separation of alkyl and alkylene naphthalene isomers. 2,424,841; July 29.

Nicolls, Wilfrid E. W., Ealing, London, assignor to C. A. V. Limited, London, England. Fuel pump. 2,424,943; July 29.

Niederhauser, Robert J.: *See*—
Spiller, William R., and Niederhauser.

Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.

Novotny, Charles K.: *See*—
Edgar, Kenneth L., Stavely, and Novotny.

Noyes, Stanley E., Los Angeles, Calif. Dental impression composition. 2,424,895; July 29.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railway car truck spring mounting. 2,424,625; July 29.

O. K. Rubber Welding System, assignee: *See*—
French, Elby E.

Oakes, George W., Crystal City, Mo. Fountain pen filling device. 2,424,896; July 29.

Oberdick, Ervin O., Cleveland, Ohio. Circuit breaker and contact therefor. 2,424,626; July 29.

Olney, George J., Westernville, N. Y. Can filling machine. 2,424,842; July 29.

Olpin, Henry C., and J. Wright, Spondon, near Derby, assignors to British Celanese Limited, London, England. Monazo and disazo dyes with N-substituted 1,3,5 xylidines. 2,424,627; July 29.

Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Universal conduit joint. 2,424,897; July 29.

Osborn Manfuacturing Company, The, assignee: *See*—
Abbrecht, Hermann R.

Owsley, Ollie M., Alexandria, Va. Self-synchronous remote-control system. 2,424,843; July 29.

Page, Edward H., Middleburgh, N. Y. Helicopter having folding rotor. 2,424,769; July 29.

Palm, Gunnar E. F.: *See*—
Rahm, Erik T.

Palmer, Robert C., assignor to Newport Industries, Inc., Pensacola, Fla. Extracting resinous wood. 2,424,628; July 29.

Pangborn Corporation, assignee: *See*—
Potter, Percy J.

Pantex Manufacturing Corporation, assignee: *See*—
Monsarrat, Nicholas.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,424,705; July 29.

Parry, Vernon F., Golden, Colo., assignor to the United States of America, as represented by the Secretary of the Interior. System for heating liquids. 2,424,844; July 29.

Patchett, George W., Chigwell, England. Folding stock for automatic firearms. 2,424,944; July 29.

Patterson, Fred W., assignee: *See*—
Patterson, William M.

Patterson, William M., Ravenna, assignor of one-half to F. W. Patterson, Coshocton, Ohio. Nursing nipple and bottle. 2,424,629; July 29.

Pedersen, John, Mexico, Mo. Dishwashing machine. 2,424,770; July 29.

Pelham, Harry D., assignor of one-half to E. H. Downer, Oroville, Calif. Fishing lure. 2,424,706; July 29.

Penet, Gabriel J. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,424,579; July 29.

Pennock, Charles W., Miami, Fla. Necktie. 2,424,580; July 29.

Pentz, Albert D., Staten Island, N. Y. Hydraulic coupling with changeable volume of working fluid. 2,424,707; July 29.

Perez, Jose U., assignor of fifty per cent to J. B. Avila, Mexico City, Mexico. Drawing board. 2,424,630; July 29.

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can beading machine which skips longitudinal seams. 2,424,581; July 29.

Peterson, Lester M.: *See*—
Towne, Harold G., and Peterson.

Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.
Tolk, John F.

Philco Corporation, assignee: *See*—
Boothroyd, Wilson P.
Shoemaker, Malcolm G.

Phillips Petroleum Company, assignee: *See*—
Tate, Carman C.

Phoenix Metal Cap Company, assignee: *See*—
Crabbe, Lindsay T., and Lathrop.

Pierce, Carleton C., Jr., Washington, D. C. Film slide projection apparatus. 2,424,945; July 29.

Pierce, Harold C., Pomona, Calif. Variable speed rail car mover. 2,424,631; July 29.

Pinkney, Paul S.: *See*—
Ernsberger, Maurice L., and Pinkney.

Pioch, William F.: *See*—
Groven, Fredrick, and Pioch.

Pioneer Suspender Company, assignee: *See*—
Segal, Samuel.

Pittsburgh Plate Glass Company, assignee: *See*—
Gegner, Paul J.
Gerhart, Howard L.
Moffett, Eugene W., and Smith.
Rudoff, Hyman.

Plensler, Alexander W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Radio control unit. 2,424,845; July 29.

Pope, Teddy R., Sr., Memphis, Tenn. Collapsible camp-stove. 2,424,665; July 29.

Popp, Charles C.: *See*—
Scherer, Charles F., and Popp.

Potter, Percy J., assignor to Pangborn Corporation, Hagerstown, Md. Tumbling mill. 2,424,955; July 29.

Pouliart, Willy, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signalling system with remote control. 2,424,582; July 29.

Powers Regulator Company, The, assignee: *See*—
Kirchhoff, Richard C.

Powlick, Nicholas J., Chicago, Ill. Pony cycle for children. 2,424,632; July 29.

Prange, Maurice N., Highland Park, Mich. Honing tool. 2,424,846; July 29.

Prencta, Peter A., Derby, assignor of one-third to L. De Marco, Shelton, Conn. Woven fabric and making the same. 2,424,771; July 29.

Prentiss, John G., Berwyn, Ill., assignor to Zenith Radio Corporation. Amplifier circuit. 2,424,847; July 29.

Pressman, Jacob, New York, N. Y. Paint cup. 2,424,898; July 29.

Previdi, William T., Allendale, N. J. Garment pocket. 2,424,666; July 29.

Priester, Henry, Middletown, N. Y. Truck hoist. 2,424,899; July 29.

Purington, Ellison S., Gloucester, Mass., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Multiplex control system. 2,424,900; July 29.

Quaker Chemical Products Corporation, assignee: *See*—
Kleber, Joseph H.

Raasch, Maynard S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated hydrocarbons. 2,424,667; July 29.

Radio Corporation of America, assignee: *See*—
Brown, George H.
Carlson, Wendell L.
Hansell, Clarence W.
Korman, Nathaniel I.
Purington, Ellison S.
Sanders, Royden C., Jr.
Scheldorf, Ranald D.

Rahm, Erik T., Stockholm, Sweden, assignor of forty-five per cent to G. E. F. Palm, Calle Altanirano, Mexico. Plated article and manufacturing same. 2,424,583; July 29.

Railroad Accessories Corporation, assignee: *See*—
Lundy, Beverly A.

Ramo, Simon: *See*—
Bachman, Charles H., and Ramo.

Rampacek, Carl: *See*—
Clemmer, Julius B., and Rampacek.

Reagan, Sydney C., Sr., Arlington, Va. Bathtub headrest. 2,424,786; July 29.

Reed Roller Bit Company, assignee: *See*—
Crook, William M.

Reese, John D., Philadelphia, Pa. Dermatone attachment. 2,424,584; July 29.

Reid, Robert J.: *See*—
Albert, Harry E., and Reid.

Reiff, Orland M., Woodbury, H. D. Hartough, Pitman, and H. J. Andress, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricant. 2,424,956; July 29.

Reiman, Clarence K.: *See*—
Welling, Charles H., and Reiman.

Reitan, John A., assignor to Met-Elec Corporation, Minneapolis, Minn. Soldering iron. 2,424,848; July 29.

Remy, Walter W., Angola, Ind. Stall warning device. 2,424, 946; July 29.

Renfrew, Samuel M.: *See*—
Kuffler, Roland I., and Renfrew.

Republic Steel Corporation, assignee: *See*—
Eckman, Meril L.

Resch, Stewart H., Temple, Pa. Telescope mount. 2,424,708; July 29.

Reynolds, Reginald J. W.: *See*—
Cook, James G., Harper, Reynolds, and Smith.
Habgood, Bernard J., Harper, and Reynolds.

Riche, Arthur L., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Gang switch for dispatch systems. 2,424,668; July 29.

Richmond, Harry H.: *See*—
Haun, Joye C., and R. E. and H. H. Richmond.

Richmond, Robert E.: *See*—
Haun, Joye C., and R. E. and H. H. Richmond.

Richolt, Robert R., Tujunga, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Valve for pressure fluid servomotors. 2,424,901; July 29.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Acoustic reservoir for use in a magnetic sound recording and reproducing system. 2,424,633; July 29.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Theater amplifying and sound distribution system. 2,424,634; July 29.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. System for detecting magnetic masses. 2,424,772; July 29.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Locating device. 2,424,773; July 29.

Riggs, Herbert E., assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for cutting rubber sheet stock and the like. 2,424,709; July 29.

Rinnela, Andrew, New York, N. Y. Shoe stretcher. 2,424,669; July 29.

Roberts, Forrest A., assignor of fifteen one-hundredths to M. L. Roberts, Arlington, Va. Cigarette ash receiver. 2,424,710; July 29.

Roberts, Mary L., assignee: *See*—
Roberts, Forrest A.

Robertson, Donald D.: *See*—
Edwards, Paul G., and Robertson.

Robertson, H. H., Company, assignee: *See*—
Snyder, Purdum M.

Rogoff, Julian, New Rochelle, and I. F. Matthysse, New York, N. Y., assignors to Burndy Engineering Company, Inc. Portable compressing tool and detachable press. 2,424,849; July 29.

Roman, Alfred F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Photoelectron multiplier. 2,424,850; July 29.

Romanow, Frank F.: *See*—
Black, Robert, Jr., and Romanow.

Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 2,424,902; July 29.

Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for platen printing presses. 2,424,903; July 29.

Rosenfeld, L., & Co., Inc., assignee: *See*—
Willenbacher, August.

Rossi, Irving, assignee: *See*—
Spooner, Henry W.

Rotol Limited, assignee: *See*—
Coverley, Robert H., and Arnott.

Rowand, Will H.: *See*—
Smith, Charles S., and Rowand.

Ruben, Samuel, New Rochelle, N. Y. Treatment of regenerated sheet cellulose to improve its dielectric properties. 2,424,904; July 29.

Rudoff, Hyman, Santa Fe, N. Mex., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polymeric peroxides of acetonyl acetone. 2,424,851; July 29.

Rush, George C., Portland, and H. Bailey, Salamonia, Ind. Carrier. 2,424,852; July 29.

Sachanen, Alexander N.: *See*—
Myers, Claude G., Hansford, and Sachanen.

Sadon, Edwin J., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Brake. 2,424,922; July 29.

Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Titanium dioxide dielectric materials. 2,424,853; July 29.

Sanders, Leonard T., Oklahoma City, Okla. Drying rack. 2,424,711; July 29.

Sanders, Royden C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Pulsed frequency modulated altimeter. 2,424,854; July 29.

Sargent & Company, assignee: *See*—
Voight, Henry G., and Edwards.

Sasgen Derrick Co., assignee: *See*—
Benson, Jesse M.

Sauer, George, assignor to Union Special Machine Company, Chicago, Ill. Lock stitch sewing machine and lubricating the same. 2,424,855; July 29.

Scally, Paul V.: *See*—
Garvey, Thomas H., and Scally.

Scharf, Louis, and A. Lamparelli, West New York, N. J. Double tie adapter for yarn. 2,424,774; July 29.

Schaub, Benton H.: *See*—
Stevenson, Arthur E., and Schaub.

Scheldorf, Ranald D., Haddon Heights, N. J., assignor to Radio Corporation of America. Automatic amplitude control for variable frequency oscillators. 2,424,905; July 29.

Scherer, Charles F., Davenport, Iowa, and C. C. Popp, Rock Island, Ill., assignors to Davenport Machine and Foundry Company, Davenport, Iowa. Draw unit. 2,424,712; July 29.

Schletter, Richard E., Elkins Park, assignor to Textile Machine Works, Wyomissing, Pa. Fashioning means and method for knitting machines. 2,424,957; July 29.

Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Inc., Ansonia, Conn. Calender. 2,424,856; July 29.

Schwall, Chester F., Jr., assignor to The General Tire & Rubber Company, Akron, Ohio. Fender for ships, piers, and the like. 2,424,635; July 29.

Schwalm, Theodore R.: *See*—
Luckey, George P., and Schwalm.

Screw Conveyor Corporation, assignee: *See*—
Escher, Edward P.

Scull, Herbert G., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Dyeing textile materials comprising a cellulose carboxylic ester with vat dyes. 2,424,857; July 29.

Segal, Samuel, New York, N. Y., assignor to Pioneer Suspender Company, Philadelphia, Pa. Key retainer. 2,424,775; July 29.

Seidman, Emil, Cleveland, Ohio. Vernier for slide rules. 2,424,713; July 29.

Selner, Rudolph A.: *See*—
Bauer, Jordan V., and Selner.

Senn, Jurg A., Washington, D. C. Colorimeter. 2,424,858; July 29.

Seymour Manufacturing Co., The, assignee: *See*—
Freed, Meyer L.

Sharrock, J. C., Birmingham, Ala., and J. A. Sheeley, Stamford, Conn. Dental press. 2,424,906; July 29.

Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Steering baby carriage. 2,424,714; July 29.

Sheeley, John A.: *See*—
Sharrock, James C., and Sheeley.

Shell Development Company, assignee: *See*—
Snider, Alya V., and Van Winkle.

Shellmar Products Corporation, assignee: *See*—
De Swart, Jan.

Shimer, Joseph N., Los Angeles, Calif. Dump truck. 2,424,670; July 29.

Shoemaker, Malcolm G., Abington, assignor to Philco Corporation, Philadelphia, Pa. Control apparatus for reversible motors. 2,424,859; July 29.

Shreve, Clifford B., assignor to Tyler Fixture Corporation, Niles, Mich. Cabinet having means for supporting a horizontal closure in a vertical position. 2,424,715; July 29.

Simon, Stephane, J. Kruithof, and M. den Hertog, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,424,585; July 29.

Singer Manufacturing Company, The, assignee: *See*—
Breul, Frederic W.
Zonis, Sydney.

Smart, Ralph F., St. Louis, Mo. Foldable cardboard box. 2,424,716; July 29.

Smith, A. O., Corporation, assignee: *See*—
Crawford, William E.
Malke, Sven.

Smith, Charles S., Westfield, and W. H. Rowand, Meadowbrook Village, assignors to The Babcock & Wilcox Company, Newark, N. J. Air heater. 2,424,587; July 29.

Smith, George E. P., Jr., and E. L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company. Thiocarbamyl sulfenamides. 2,424,921; July 29.

Smith, John O., Jr., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Catalytic dehydrogenation of hydrocarbons. 2,424,636; July 29.

Smith, John O., Jr., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Process and catalyst for aromatizing aliphatic hydrocarbons. 2,424,637; July 29.

Smith, Roy E.: *See*—
Moffett, Eugene W., and Smith.

Smith, Walter F.: *See*—
Buist, Jack M., Harper, Smith, and Welding.
Cook, James G., Harper, Reynolds, and Smith.

Snider, Alva V., Richmond, and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Insecticidal compositions. 2,424,860; July 29.

Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Manufacture of impregnated flexible fabric. 2,424,861; July 29.

Snyder, Purdum M., Ben Avon, assignor to H. H. Robertson Company, Pittsburgh, Pa. Coated fibrous material. 2,424,638; July 29.

Sobirai, Joseph J., Hartford, Conn. Bicycle. 2,424,639; July 29.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hansford, Rowland C.
McClure, Carroll D.
Myers, Claude G., Hansford, and Sachanen.
Reiff, Orland M., Hartough, and Andress.

Sontag, Harcourt C., Arlington, Va. Breathing apparatus. 2,424,586; July 29.

Southern Friction Materials Company, assignee: *See*—
Snow, Howard.

Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricant composition. 2,424,588; July 22.

Speed-Products Co., Inc., assignee: *See*—
Crosby, Stephen A.

Sperry Gyroscope Company, Inc., assignee: *See*—
Fragola, Caesar F.
Isbister, Eric J., and Moseley.
Jenks, Frederic A.
Moseley, Francis L., Isbister, and Steinhauser.
Webber, Hugh E.

Spiller, William R., and R. J. Niederhauser, Dayton, Ohio., assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Stitching machine. 2,424,717; July 29.

Spooner, Henry W., Short Hills, assignor to I. Rossi, West Orange, N. J. Apparatus for casting metals continuously. 2,424,640; July 29.

Squibb, E. R., & Sons, assignee: *See*—
Koerber, Walter L.

Standard Oil Development Company, assignee: *See*—
Sparks, William J., and Young.

Standard Telephones and Cables Limited, assignee: *See*—
Earp, Charles W.

Stapleton, George M., Sea Cliff, N. Y., assignor to Ward Leonard Electric Company. Shockproof electromagnetic device. 2,424,776; July 29.

Stavely, Frederick W.: *See*—
Edgar, Kenneth L., Stavely, and Novotny.

Steadman, Thomas R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta lactones. 2,424,589; July 29.

Steadman, Thomas R., and P. L. Breyfogle, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta lactones. 2,424,590; July 29.

Stedman, Theodore W., New York, N. Y., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Base plate for frogs and crossings. 2,424,916; July 29.

Stein, Hall & Co., Inc., assignee: *See*—
Bauer, Jordan V., and Selner.

Steinhauser, Hayes B.: *See*—
Moseley, Francis L., Isbister, and Steinhauser.

Stephens, Robert, Guthrie, Okla. Machine for reclaiming bearings. 2,424,591; July 29.

Stevenson, Arthur E., Oak Park, Ill., and B. H. Schaub, Long Beach, assignors to Continental Can Company, Inc., New York, N. Y. Electrolytic treatment of tin plate for preventing sulfur staining. 2,424,718; July 29.

Stewart-Warner Corporation, assignee: *See*—
Heymann, Seymour E.
Marshall, William A., Jr.
McCollum, Henry J. D.

Stieglitz, Henry M.: *See*—
Adam, Frederick B., Green, and Stieglitz.

Stoeck, Joseph F., and A. J. Valrose, Chicago, Ill. Auto-reel light. 2,424,719; July 29.

Stoehr, Mary, New York, N. Y. Nether garment. 2,424,720; July 29.

Stossel, Ernest, New York, N. Y. Producing oxidized hydrocarbon waxes. 2,424,671; July 29.

Stover, Jasper S., De Queen, Ark. Automatic garage door. 2,424,721; July 29.

Streicker, Seymour F., and E. W. Malek, Chicago, Ill.; said Malek assignor to said Streicker. Boat construction. 2,424,672; July 29.

Strohecker, Henry R., and H. T. Hall, assignors to The Youngstown Welding & Engineering Co., Youngstown, Ohio. Jet for tanks and the like. 2,424,722; July 29.

Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Tail gate assembly. 2,424,862; July 29.

Stuart, Ethan A., Wakefield, assignor to Haley Cate Company, Inc., Everett, Mass. Laminated elastic material for footwear, making same and improved footwear made thereby. 2,424,777; July 29.

Sturtevant, B. F., Company, assignee: *See*—
Keep, Charles R.
Lincoln, Roland L.
Morton, Harry E.

Svenka Aktiebolaget Bromsregulator, assignee: *See*—
Browall, Bert H.

Swain, Frank E., Ewell, assignor of one-half to D. Darby, Northwood, Middlesex, England. Flexible pipe. 2,424,863; July 29.

Swanson, Bernard A., Port Angeles, Wash. Trailer attachment. 2,424,641; July 29.

Tainsh, Peter W., Spital, Bromborough, Wirral, England, assignor to Lever Brothers Company, Cambridge, Mass. Composition for and method of whitening textiles with a blue fluorescent material and ultramarine. 2,424,778; July 29.

Tate, Carman C., Mexico City, Mexico, assignor to Phillips Petroleum Company. Internal-combustion engine. 2,424,723; July 29.

Terwilliger, Ivan M., Pasadena, Calif. Subtractive optical image modulation. 2,424,592; July 29.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade and magazine therefor. 2,424,593; July 29.

Textile Machine Works, assignee: *See*—
Schletter, Richard E.

Theiliaumas, Clement M., Boulogne, Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical signaling system. 2,424,594; July 29.

Thompson, Elmer B., assignor to Globe Hoist Company, Des Moines, Iowa. Vehicle hoist. 2,424,673; July 29.

Three-In-One Doll Corporation, assignee: *See*—
Winterfeld, Elsie G.

Tide Water Associated Oil Company, assignee: *See*—
Smith, John O., Jr.

Tolk, John F., assignor to O. S. Petty, San Antonio, Tex. Position dampened seismometer. 2,424,724; July 29.

Towne, Harold G., Westboro, and L. M. Peterson, Newton, assignors to Dennison Manufacturing Company, Framingham, Mass. Slide box with slidable latch. 2,424,642; July 29.

Townsend, Leyshon W., assignor to Jessop Steel Company, Washington, Pa. Ingot for and making composite articles. 2,424,779; July 29.

Traffic Transport Engineering, Inc., assignee: *See*—
Stuart, Clarence C.

Trent, Harold E., Media, Pa., assignor to Trent, Inc. Refractory support for electric resistors. 2,424,780; July 29.

Trent, Inc., assignee: *See*—
Trent, Harold E.

Treseder, Robert C., Dayton, Ohio. Vibration responsive apparatus. 2,424,864; July 29.

Tri-Clover Machine Co., assignee: *See*—
Ebert, Walter.

Turner, Roscoe, trustee, assignee, et al.: *See*—
French, Elby E.

Tweit, Olav M., Mountain Lakes, N. J., assignor to Wilputte Coke Oven Corporation, New York, N. Y. Valve mechanism for gas uptake pipes of a coke oven battery. 2,424,865; July 29.

Tyler Fixture Corporation, assignee: *See*—
Shreve, Clifford B.

Udy, Marvin J., Niagara Falls, N. Y. Treatment of matte to recover metallic salts. 2,424,866; July 29.

Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
Sauer, George.

United Aircraft Corporation, assignee: *See*—
Dickerman, Fred N.
Gluhareff, Michael E.

United Shoe Machinery Corporation, assignee: *See*—
Hood, Charles E.
Wedger, Walter H.

United States Gypsum Company, assignee: *See*—
Linzell, Harry K.

Valrose, Anthony J.: *See*—
Stoeck, Joseph F., and Valrose.

Vanetzian, Alexander, London, England. Lighter using vaporizable fluids. 2,424,781; July 29.

Van Winkle, John L.: *See*—
Snider, Alva V., and Van Winkle.

Vicars, T & T, Limited, assignee: *See*—
White, Percy.

Voight, Henry G., and W. S. Edwards, Hamden, assignors to Sargent & Company, New Haven, Conn. Door lock. 2,424,782; July 29.

Voss, Joseph A., Denver, Colo. Adjustable bed cover support. 2,424,907; July 29.

Wagstaff, George, Long Eaton, England. Spring contacts for electric plug couplings. 2,424,867; July 29.

Wantz, June G., Knob Noster, Mo. Full floating piston. 2,424,868; July 29.

Ward Leonard Electric Company, assignee: *See*—
Stapleton, George M.

Ware, Robert R., Jr., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller skate reinforcing plate. 2,424,783; July 29.

Ware, Robert R., Jr., assignor to Chicago Roller Skate Company, Chicago, Ill. Wheel structure. 2,424,784; July 29.

Warren, Charles F., assignor, by mesne assignments, to Hydraulic Impact Tool Company, Milwaukee, Wis. Pumping mechanism. 2,424,595; July 29.

Warren Featherbone Co., The, assignee: *See*—
Chamberlain, Frederic W., and Klute.

Webber, Hugh E., Williston Park, N. Y., assignor to Sperry Gyroscope Company, Inc. Microwave wattmeter unit. 2,424,596; July 29.

Wedger, Walter H., Newton Centre, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stiffening portions of the uppers of shoes. 2,424,869; July 29.

Weimont, Joseph, Bogota, N. J., assignor to A. Kimball Company, New York, N. Y. Ink ribbon feeding device. 2,424,725; July 29.

Welding, George N.: *See*—
Buist, Jack M., Harper, Smith, and Welding.

Welham, Geoffrey L. F., South Ruislip, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Apparatus for flanging sheet metal strips. 2,424,947; July 29.

Welling, Charles H., New Canaan, Conn., and C. K. Reiman, Newton, assignors to Z Pack Corporation, Boston, Mass. Freezing comestibles. 2,424,870; July 29.

Wells, Harold D., Glens Falls, N. Y. Pulp beater and selector. 2,424,726; July 29.

Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Removing cyclopentadiene from forerunnings. 2,424,948; July 29.

Wenk, Edward A., New York, assignor to The Keystone Manufacturing Co., Buffalo, N. Y. Adapter for flared tube fittings. 2,424,727; July 29.

Wenk, Edward A. and R. B., New York, assignors to The Keystone Manufacturing Co., Buffalo, N. Y. Tool for flaring tubing. 2,424,871; July 29.

Wenk, Ruth B.: *See*—
Wenk, Edward A. and R. B.

Werry, John A., Cedar Grove Township, Essex County, N. J., assignor to Kidde Manufacturing Co., Inc. Inflatable device. 2,424,597; July 29.

Westinghouse Electric Corporation, assignee: *See*—
Alben, Frank L.
Broglie, Francis J.

Whigam, John B., assignee: *See*—
Chambers, Edward J.

White, Harold I., assignor to The American Rolling Mill Company, Middletown, Ohio. Electrolytic bright polishing. 2,424,674; July 29.

White, Luster J.: *See*—
Musser, Rawley H., and White.

White, Percy, assignor to T & T Vicars Limited, Earlstown, Newton-le-Willows, England. Coating of articles. 2,424,949; July 29.

Whitney, F. A., Carriage Company, assignee: *See*—
Shaw, Harold F.

Willenbacher, August, assignor to L. Rosenfeld & Co., Inc., New York, N. Y. Lighting fixture. 2,424,908; July 29.

Williams, Oliver M., St. Louis, Mo. Overhead boxcar door. 2,424,728; July 29.

Williams, William W., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Apparatus for dimpling sheet material and preheating the area to be dimpled. 2,424,648; July 29.

Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Adjustable aerial. 2,424,598; July 29.

Wilputte Coke Oven Corporation, assignee: *See*—
Twelt, Olav M.

Wilson, Philip J., Jr.: *See*—
Wells, Joseph H., and Wilson.

Wingfoot Corporation, assignee: *See*—
Jones, Lewis H.
Merrill, James A.
Riggs, Herbert E.

Winterfeld, Elsie G., assignor to Three-In-One Doll Corporation, New York, N. Y. Doll. 2,424,785; July 29.

Wood, William A., Minneapolis, Minn. Dispenser with rotary conveyer type trap chamber. 2,424,675; July 29.

Woods, Fred D.: *See*—
Bauer, Hans A., Woods, and Beckstrom.

Woodward Governor Company, assignee: *See*—
Drake, George F.

Workshop Associates, Incorporated, assignee: *See*—
Greene, Gardiner G., and Abraham.

Wright, John: *See*—
Oipin, Henry C., and Wright.

Young, David W.: *See*—
Sparks, William J., and Young.

Youngstown Welding & Engineering Co., The, assignee: *See*—
Strohecker, Henry R., and Hall.

Zenith Radio Corporation, assignee: *See*—
Prentiss, John G.

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Convertible flat-bed and cylinder-arm sewing machines. 2,424,872; July 29.

Z Pack Corporation, assignee: *See*—
Welling, Charles H., and Reiman.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Solenoid type of electromagnet. S. S. Cramer. Re. 22,902; July 29.

LIST OF PLANT INVENTIONS

Carnation plant. H. J. Symonds. 750; July 29.
Rose plant. R. L. Byrum. 749; July 29.
Rose plant. J. de Vink. 748; July 29.

LIST OF DESIGN INVENTIONS

Bracelet or similar article. D. D. Zakwin. 147,224; July 29.
Brush for a suction cleaner or similar article. H. Dreyfuss. 147,215; July 29.
Buckle, Belt. J. R. Hample. 147,218; July 29.
Clip or similar article, Ear. S. Dawer. 147,213–14; July 29.
Dish, Soap. L. Sahley. 147,221; July 29.
Game board. L. Streib. 147,222; July 29.
Paper or the like. E. A. Whiteford. 147,223; July 29.
Pendant or similar article. O. Guth. 147,217; July 29.
Projector, Photographic film. A. M. Davock. 147,212; July 29.
Rack, Pipe. F. H. Fisher. 147,216; July 29.
Sweater or similar article. A. Naidish. 147,220; July 29.
Table and score projector, or similar article, Combined score. R. I. Anderson and B. Hoeker. 147,211; July 29.
Toy dog. B. M. Lochridge. 147,219; July 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive strip holder. E. V. Miller. 2,424,702; July 29.
Acoustic reservoir for use in a magnetic sound recording and reproducing system. F. Rieber. 2,424,633; July 29.
Adapter for flared tube fittings. E. A. Wenk. 2,424,727; July 29.
Adjustable bed cover support. J. A. Voss. 2,424,907; July 29.
Aerial, Adjustable. E. O. Willoughby. 2,424,598; July 29.
Air heater. C. S. Smith and W. H. Rowand. 2,424,587; July 29.
Air tank. M. Dach. 2,424,879; July 29.
Alkyl and alkylene naphthalene isomers, Separation of. J. E. Nickels. 2,424,841; July 29.
Altimeter, Pulsed frequency modulated. R. C. Sanders, Jr. 2,424,854; July 29.
Aluminum oxide abrasive material, Fused. H. N. Baumann, Jr., and R. C. Benner. 2,424,645; July 29.
Amplifier circuit. J. G. Prentiss. 2,424,847; July 29.
Amplifying and sound distribution system, Theater. F. Rieber. 2,424,634; July 29.
Annular surfaces, Grinding., J. W. Alsdorf. 2,424,544; July 29.
Antiskid device. O. H. Bernkull. 2,424,647; July 29.
Aperture objective, Extreme. E. K. Kaprelian. 2,424,827; July 29.
Apparatus for casting metals continuously. H. W. Spooner. 2,424,640; July 29.
Apparatus for cutting rubber sheet stock and the like. H. E. Riggs. 2,424,709; July 29.
Apparatus for dimpling sheet material and preheating the area to be dimpled. W. W. Williams. 2,424,643; July 29.
Apparatus for disseminating materials in liquids. E. Cowles. 2,424,679; July 29.
Apparatus for flanging sheet metal strips. G. L. F. Welham. 2,424,947; July 29.
Apparatus for heat sealing. W. R. P. Delano. 2,424,558; July 29.
Apparatus for induction heating of gears and like objects. F. J. Groven and W. F. Pioch. 2,424,816; July 29.
Apparatus for making confectionery. J. J. Alikonis. 2,424,950; July 29.
Apparatus for making convolute wound tubing from sheet material. B. Bogoslowsky. 2,424,540; July 29.
Ash receiver, Cigarette. F. A. Roberts. 2,424,710; July 29.
Ash tray. W. Jork. 2,424,695; July 29.
Attachment for spectacles, Hearing aid. G. P. Kimmel. 2,424,935; July 29.
Auto jack. E. J. Chambers. 2,424,741; July 29.
Auto-reel light. J. F. Stoeck and A. J. Valrose. 2,424,719; July 29.
Automatic garage door. J. S. Stover. 2,424,721; July 29.
Baling machine. P. H. Harrer. 2,424,821; July 29.
Band blade slicing machine. W. W. Hartman. 2,424,659; July 29.
Bathtub headrest. S. C. Reagan, Sr. 2,424,786; July 29.
Beater and selector, Pulp. H. D. Wells. 2,424,726; July 29.
Beating device, Egg. E. M. Morgan. 2,424,703; July 29.
Beta lactones, Preparation of. T. R. Steadman. 2,424,589; July 29.
Beta lactones, Preparation of. T. R. Steadman and P. L. Breyfogle. 2,424,590; July 29.
Bib, Paper. M. R. Doyle. 2,424,680; July 29.
Bicycle. J. J. Sobiral. 2,424,639; July 29.
Birdhouse. M. K. Benson. 2,424,733; July 29.
Blade, Reenforced propeller. G. W. Brady. 2,424,875; July 29.
Board: *See*—
Drawing board.
Board having foldable supports, Sectional ironing. E. C. Booth. 2,424,734; July 29.
Boat construction. S. F. Streicker and E. W. Malek. 2,424,672; July 29.
Book-marker. H. O. Booth. 2,424,541; July 29.
Box: *See*—
Foldable cardboard box.
Safety power extension and junction box.
Box with slidable latch, Slide. H. G. Towne and L. M. Peterson. 2,424,642; July 29.
Brake. E. J. Sadon. 2,424,922; July 29.
Brake adjustor. R. A. Goepfrich. 2,424,655; July 29.
Brake for vehicles, Load-responsive fluid-pressure. B. H. Browall. 2,424,913; July 29.
Breathing apparatus. H. C. Sontag. 2,424,586; July 29.
Burning solid fuels, Method and apparatus for. R. C. Johnson. 2,424,755; July 29.
Bushing, Self-locking. F. Klumpp, Jr. 2,424,757; July 29.
Bushing, Strain-relief. F. Klumpp, Jr. 2,424,756; July 29.
Bushing, Strain-relief. F. Klumpp, Jr. 2,424,758–9; July 29.
Cabinet for bathtubs, Shower. E. Aronheim. 2,424,537; July 29.
Cabinet having means for supporting a horizontal closure in a vertical position. C. B. Shreve. 2,424,715; July 29.
Cable clamp. A. P. Keierleber. 2,424,829; July 29.
Cable-gripping mechanism. C. R. Konkle. 2,424,760; July 29.
Calculator for vertical balancing, Weight. W. E. Crawford. 2,424,877; July 29.
Calculator, Tax. J. N. M. Howells. 2,424,890; July 29.
Calender. C. F. Schnuck. 2,424,856; July 29.
Camp stove, Collapsible. T. R. Pope, Sr. 2,424,665; July 29.
Can filling machine. G. J. Olney. 2,424,842; July 29.
Cap and shield, Combined. E. F. Moore. 2,424,624; July 29.
Car squeeze. P. Nalbandian. 2,424,768; July 29.
Carbon bisulfide, Making. L. F. Marek. 2,424,894; July 29.
Carriage, Steering baby. H. F. Shaw. 2,424,714; July 29.
Carrier. G. C. Rush and H. Bailey. 2,424,852; July 29.
Cellulosic material, Purification of. F. Casciani. 2,424,797; July 29.
Cement manufacture. F. A. Downes. 2,424,746; July 29.
Chain: *See*—
Jewelry chain.
Chair: *See*—
Tilting chair.
Cheese curd, Packaging. L. H. Jones. 2,424,693; July 29.
Chlorine-containing rubber derivatives, Benefication of. H. E. Albert and R. J. Reid. 2,424,920; July 29.
Christmas tree stand. A. W. Gustafson. 2,424,818; July 29.
Circuit: *See*—
Amplifier circuit.
Frequency comparison and control circuit.
Circuit breaker and contact therefor. E. O. Oberdick. 2,424,626; July 29.
Circuit interrupting device. F. B. Adam, F. S. Green, and H. M. Stieglitz. 2,424,909; July 29.
Circuits, Amplifier. H. L. Mansford. 2,424,893; July 29.
Clamp: *See*—
Cable clamp.
Clamping device. J. Muise. 2,424,940; July 29.
Closure means for containers. L. T. Crabbe and D. C. Lathrop. 2,424,801; July 29.
Clothesline apparatus. J. B. Mangan. 2,424,837; July 29.
Coating of articles. P. White. 2,424,949; July 29.
Coatings, Caustic resistant. P. J. Gegner. 2,424,813; July 29.
Collapsible clothes drier. P. Berman. 2,424,646; July 29.
Colorimeter. J. A. Senn. 2,424,858; July 29.
Combustion apparatus, Rotating. R. H. Goddard. 2,424,610; July 29.
Comestibles, Freezing. C. H. Welling and C. K. Reiman. 2,424,870; July 29.
Compact or vanity. L. Grassi. 2,424,817; July 29.
Compass system, Gyro flux valve. C. F. Fragola. 2,424,562; July 29.
Composite article and manufacture. D. W. De Bra. 2,424,557; July 29.
Composition comprising a vehicle containing drying oil-modified alkyd or phenol-formaldehyde resin, pigment, litharge, and calcium hydrate, Coating. L. Balassa. 2,424,730; July 29.
Composition for and whitening textiles with a blue fluorescent material and ultramarine. P. W. Tainsh. 2,424,778; July 29.
Composition for waterproofing and fireproofing textile material and the treated material. J. H. Klaber. 2,424,831; July 29.
Computing and map reading device, Speed. H. J. Marschak. 2,424,763; July 29.
Conductor support. G. G. Greene and D. Abraham. 2,424,687; July 29.
Contacts for electric plug couplings, Spring. G. Wagstaff. 2,414,867; July 29.
Control apparatus for reversible motors. M. G. Shoemaker. 2,424,859; July 29.
Control apparatus, Humidity. W. P. Boothroyd. 2,424,735; July 29.
Control device for pumping units, Liquid level. H. Goodman. 2,424,657; July 29.
Control for variable frequency oscillators, Automatic amplitude. R. D. Scheldorf. 2,424,905; July 29.
Control for variable pitch propellers. G. F. Drake. 2,424,559; July 29.

Control mechanism for vehicle steering gear, Fluid pressure. W. A. Eaton. 2,424,806; July 29.
Control system, Airplane. T. S. Holmes. 2,424,889; July 29.
Control system, Multiplex. E. S. Purington. 2,424,900; July 29.
Control system, Self-synchronous positional. E. J. Isbister and F. L. Moseley. 2,424,568; July 29.
Controlling mechanism. H. B. Brown. 2,424,551; July 29.
Cooler: *See*—
Reenforced elliptical oil cooler.
Cooling apparatus. A. J. Blum. 2,424,792; July 29.
Coupling: *See*—
Pipe coupling.
Coupling for bands or the like. C. Goldblatt. 2,424,656; July 29.
Cross pointer meter. F. A. Jenks. 2,424,570; July 29.
Cup, Paint. J. Pressman. 2,424,898; July 29.
Curler, Hair. L. H. Grant. 2,424,815; July 29.
Cutting apparatus. D. M. Curtis. 2,424,555; July 29.
Cyclopentadiene from forerunnings, Removing. J. H. Wells and P. J. Wilson, Jr. 2,424,948; July 29.
Cylinder construction. R. H. Coverley and D. D. Arnott. 2,424,800; July 29.
Demand meter. R. O. Hamill. 2,424,689; July 29.
Dental impression composition. S. E. Noyes. 2,424,895; July 29.
Dental press. J. C. Sharrock and J. A. Sheeley. 2,424,906; July 29.
Dermatome attachment. J. D. Reese. 2,424,584; July 29.
Detector or receiver, Submarine signal. R. Black, Jr., and F. F. Romanow. 2,424,549; July 29.
Device for filling batteries, Piercing. G. E. Eckman. 2,424,807; July 29.
Device for measuring volume of wood in stacks. C. H. Keepers. 2,424,619; July 29.
Dishwashing machine. J. Pedersen. 2,424,770; July 29.
Dispenser: *See*—
Paper moistening dispenser.
Dispenser with rotary conveyer type trap chamber. W. A. Wood. 2,424,675; July 29.
Display card, Merchandise. M. Loeb. 2,424,762; July 29.
Distillation apparatus for peppermint hay, Vehicle-mounted. C. E. Hermo and W. H. Haupert. 2,424,824; July 29.
Doll. E. G. Winterfeld. 2,424,785; July 29.
Door: *See*—
Automatic garage door. Overhead boxcar door.
Door lock. H. G. Voight and W. S. Edwards. 2,424,782; July 29.
Drafting apparatus. W. H. Murphy. 2,424,840; July 29.
Draw unit. C. F. Scherer and C. C. Popp. 2,424,712; July 29.
Drawing board. J. U. Perez. 2,424,630; July 29.
Drier: *See*—
Collapsible clothes drier.
Drive device. F. L. Alben. 2,424,543; July 29.
Drive, Self-locking equalizing. J. W. Mynssen. 2,424,942; July 29.
Drum for peeling fruit and vegetables, Horizontal rotary abrading. W. de Back. 2,424,803; July 29.
Dryer: *See*—
Collapsible clothes drier.
Drying apparatus. F. J. Broglie. 2,424,737; July 29.
Drying means for garment pressing machines. N. Monsarrat. 2,424,623; July 29.
Drying rack. L. T. Sanders. 2,424,711; July 29.
Duct for air conditioning systems, Air mixing and distributing. C. R. Keep. 2,424,828; July 29.
Dust collector. R. L. Lincoln. 2,424,572; July 29.
Electrical connector. B. A. Lundy. 2,424,938; July 29.
Electrical signaling system. P. L. C. Cornu. 2,424,554; July 29.
Electrical signaling system. A. A. C. Heron. 2,424,566; July 29.
Electrical signaling system. C. M. Theillaumas. 2,424,594; July 29.
Electrical signalling system with remote control. W. Poulliart. 2,424,582; July 29.
Electrical switch. E. Doucette. 2,424,745; July 29.
Electrolytic bright polishing. H. I. White. 2,424,674; July 29.
Electrolytic treatment of tin plate for preventing sulfur staining. A. E. Stevenson and B. H. Schaub. 2,424,718; July 29.
Electromagnetic device, Shockproof. G. M. Stapleton. 2,424,776; July 29.
Electron microscope apparatus. C. H. Bachman and S. Ramo. 2,424,791; July 29.
Electron tube. W. W. Eitel and J. A. McCullough. 2,424,683; July 29.
Engine: *See*—
Internal-combustion engine. Wobble plate engine.
Engine governor. M. Mallory. 2,424,836; July 29.
Ethyl, alpha, alpha-dimethyl butyrate, Manufacture of. T. A. Ford. 2,424,653; July 29.
Excavator. E. C. Hartley. 2,424,822; July 29.
Exchange system, Private automatic branch. F. P. Gohorel. 2,424,563; July 29.
Extension mechanism, Emergency. G. H. Dowty. 2,424,926; July 29.
Fabric, Manufacture of impregnated flexible. H. Snow. 2,424,861; July 29.
Fabrics, Weaving and woven. E. Glendinning and F. Binns. 2,424,928; July 29.
Fastening device. W. Dzus. 2,424,603; July 29.
Fastening means. W. Dzus. 2,424,604; July 29.
Featherbone material and making same, Shaped. F. W. Chamberlain and A. J. Klute. 2,424,740; July 29.
Fender for ships, piers, and the like. C. F. Schwall, Jr. 2,424,635; July 29.
Ferrous metal by self-quenching, Surface hardening of. G. H. Brown. 2,424,794; July 29.
Fibrous laminate and making same. K. L. Edgar, F. W. Stavely, and C. K. Novotny. 2,424,923; July 29.
Fibrous material, Coated. P. M. Snyder. 2,424,638; July 29.
Filling device, Fountain pen. G. W. Oakes. 2,424,896; July 29.
Film slide projection apparatus. C. C. Pierce, Jr. 2,424,945; July 29.
Filter comprising a sediment trap and drain outlet. S. Juhasz. 2,424,932; July 29.
Fin tube. A. Y. Gunter. 2,424,612; July 29.
Fishhook guard, Weedless. T. S. Burns. 2,424,599; July 29.
Fish stringer. T. Hanson. 2,424,658; July 29.
Fishing lure. H. D. Pelham. 2,424,706; July 29.
Fixture, Electric resistance welding. S. Malke. 2,424,892; July 29.
Fixture, Lighting. A. Willenbacher. 2,424,908; July 29.
Flat-bed and cylinder-arm sewing machines, Convertible. S. Zonis. 2,424,872; July 29.
Flexible pipe. F. E. Swain. 2,424,863; July 29.
Fluid mixing device. S. L. Gamble. 2,424,654; July 29.
Foldable cardboard box. R. F. Smart. 2,424,716; July 29.
Footwear. M. Friedmann, Jr. 2,424,609; July 29.
Frame: *See*—
Picture frame.
Frequency comparison and control circuit. N. I. Korman. 2,424,833; July 29.
Frequency modulation. E. W. Kenefake. 2,424,830; July 29.
Froth flotation of nonmetallic mineral. J. B. Clemmer and C. Rampacek. 2,424,552; July 29.
Fuel feeding system with combined valve and air vent. S. E. Heymann. 2,424,754; July 29.
Fuel pump. W. E. W. Nicolls. 2,424,943; July 29.
Fuel tank casing. J. A. Merrill. 2,424,701; July 29.
Fuzing unit for use in dropping bombs from aircraft. J. M. Jones and F. T. Connell. 2,424,618; July 29.
Galvanizing apparatus. M. L. Eckman. 2,424,808; July 29.
Galvanometer movement mounting. C. M. Hathaway. 2,424,823; July 29.
Gangway. J. R. Butler. 2,424,876; July 29.
Garment. E. Cadous. 2,424,600; July 29.
Garment, Foundation. H. J. Dubner. 2,424,651; July 29.
Garment, Nether. M. Stoehr. 2,424,720; July 29.
Gases, Processes and apparatus for treatment of. J. C. Haun and R. E. and H. H. Richmond. 2,424,614; July 29.
Geared speed reducer with means for adjusting backlash. W. W. Halbrook. 2,424,564; July 29.
Generator light. M. McMath. 2,424,700; July 29.
Gun turret swivel. F. N. Dickerman. 2,424,650; July 29.
Hand loom. H. R. Dillon. 2,424,880; July 29.
Hauling device. L. Jones. 2,424,694; July 29.
Heater: *See*—
Air heater.
Heater having means to re-circulate cooled gases, Hot-air. H. J. D. McCollum. 2,424,765; July 29.
Heating and humidifying apparatus, Air. T. H. Garvey and P. V. Scally. 2,424,927; July 29.
Helicopter having folding rotor. E. H. Page. 2,424,769; July 29.
Holder: *See*—
Abrasive strip holder.
Homogeneous flaked catalyst composition and its preparation. M. L. Freed. 2,424,811; July 29.
Honing tool. M. N. Prange. 2,424,846; July 29.
Hood for aircraft, Slidable and releasable. M. J. O. Lobelle. 2,424,834; July 29.
Housing and conveyor connections for screw conveyors. E. P. Escher. 2,424,810; July 29.
Hydraulic coupling with changeable volume of working fluid. A. D. Pentz. 2,424,707; July 29.
Hydrocarbon waxes, Producing oxidized. E. Stossel. 2,424,671; July 29.
Hydrocarbons, Catalytic dehydrogenation of. J. O. Smith, Jr. 2,424,636; July 29.
Hydrocarbons, Halogenated. M. S. Raasch. 2,424,667; July 29.
Hydrocarbons, Process and catalyst for aromatizing aliphatic. J. O. Smith, Jr. 2,424,637; July 29.
Incendiary composition. H. K. Linzell. 2,424,937; July 29.
Indicator for radio directive systems, Visual course. C. W. Earp. 2,424,560; July 29.
Indicator having an endless web and sliding name plate to cover and uncover indications on the web, Location. G. E. Graydon. 2,424,611; July 29.

Inflatable device. J. A. Werry. 2,424,597; July 29.
Ingot for and making composite articles. L. W. Townsend. 2,424,779; July 29.
Ink, Preparing hectographic. D. A. Newman. 2,424,954; July 29.
Ink ribbon feeding device. J. B. Welmont. 2,424,725; July 29.
Insecticidal compositions. A. V. Snider and J. L. Van Winkle. 2,424,860; July 29.
Insulator, Pass-through. J. de Swart. 2,424,804; July 29.
Internal-combustion engine. C. C. Tate. 2,424,723; July 29.
Interpolymerization of thiophene with vinyl esters of organic fatty acids. R. C. Hansford. 2,424,691; July 29.
Iron: *See*—
Soldering iron.
Jack: *See*—
Auto jack. Post handling jack.
Jet for tanks and the like. H. R. Strohecker and H. T. Hall. 2,424,722; July 29.
Jewelry chain. M. Chernow. 2,424,924; July 29.
Joint: *See*—
Revolving electrically conductive joint. Sanitary pipe joint. Universal conduit joint.
Kerf-cutting machine. G. Bodin. 2,424,911; July 29.
Key retainer. S. Segal. 2,424,775; July 29.
Knitting machines, Fashioning. R. E. Schletter. 2,424,957; July 29.
Lamp retainer for fluorescent lamps and the like. G. W. Beals. 2,424,874; July 29.
Light: *See*—
Auto-reel light. Signal light.
Generator light. Tell-tale and testing light.
Light for airplanes, Quick detachable landing. 2,424,688; July 29.
Lighter using vaporisable fluids. A. Vanetzian. 2,424,781; July 29.
Liner within a bore, Bonding a. W. M. Crook. 2,424,878; July 29.
Locating device. F. Rieber. 2,424,773; July 29.
Lock: *See*—
Door lock.
Locomotive, Turbine. F. L. Alben. 2,424,676; July 29.
Loom: *See*—
Hand loom.
Lubricant composition. W. J. Sparks and D. W. Young. 2,424,588; July 29.
Lubricant, Synthetic. O. M. Reiff, H. D. Hartough, and H. J. Andress, Jr. 2,424,956; July 29.
Lumber handling device. C. W. Harshberger. 2,424,692; July 29.
Machine for cutting shaped pieces from sheet material. F. B. Collinson. 2,424,678; July 29.
Machine for operating upon soles. C. E. Hood. 2,424,616; July 29.
Machine for reclaiming bearings. R. Stephens. 2,424,591; July 29.
Machine for reclaiming deformed machine gun belt links, Bending. A. H. Brannock. 2,424,917; July 29.
Machine which skips longitudinal seams, Can beading. J. F. Peters. 2,424,581; July 29.
Magnetic recorder. W. P. Lear. 2,424,697; July 29.
Magnetron. C. W. Hansell. 2,424,886; July 29.
Magnetron, High-frequency. K. C. De Walt. 2,424,805; July 29.
Manual massaging device. A. R. Marty. 2,424,699; July 29.
Map, Icosahedral. J. E. Crouch. 2,424,601; July 29.
Material for footwear, making the same, and improved footwear, Laminated elastic. E. A. Stuart. 2,424,777; July 29.
Mechanism for platen printing presses, Inking. C. F. Root. 2,424,903; July 29.
Mechanism for printing presses, Inking. C. F. Root. 2,424,902; July 29.
Mechanism for tractors, Power steering. R. I. Hoyle. 2,424,617; July 29.
Metal mold. M. C. Jay. 2,424,931; July 29.
Metals, Method and electrolyte for the electro-deposition of. J. A. Henricks. 2,424,887; July 29.
Meter: *See*—
Cross pointer meter. Demand meter.
Metering, in its bubble-free state, a bubble-containing fluid, Method and apparatus for. W. W. Heckert. 2,424,750; July 29.
Microscope, Electron. C. H. Bachman and S. Ramo. 2,424,788–90; July 29.
Microwave wattmeter unit. H. E. Webber. 2,424,596; July 29.
Mixer for liquids, Thermostatic. R. C. Kirchhoff. 2,424,891; July 29.
Mixtures of emulsifying and wetting agents, Making. A. R. Globus. 2,424,951; July 29.
Mobile equipment unit, Dentist's. J. L. Andreasen. 2,424,729; July 29.
Mold: *See*—
Metal mold.
Molds, Making. G. P. Bosomworth. 2,424,919; July 29.
Monazo and disazo dyes with N-substituted 1, 3, 5 xylidines. H. C. Olpin and J. Wright. 2,424,627; July 29.
Motor follow-up system, Electric. F. L. Moseley, E. J. Isbister, and H. B. Steinhauser. 2,424,569; July 29.
Motor system, Selsyn controlled electric. M. A. Edwards. 2,424,809; July 29.
Mould: *See*—
Metal mold.
Moulding apparatus, Shoe quarter. W. F. Herlihy. 2,424,888; July 29.
Mounting: *See*—
Galvanometer movement mounting. Railway car truck spring mounting.
Multiunit electron tube. W. W. Eitel and J. A. McCullough. 2,424,684–5; July 29.
N-beta-cyanoethylalkanesulfonamides. D. M. McQueen. 2,424,664; July 29.
Necktie. C. W. Pennock. 2,424,580; July 29.
Nether garment, Combination. R. Lewis. 2,424,698; July 29.
Nipple and bottle, Nursing. W. M. Patterson. 2,424,629; July 29.
Noise reduction device in radio receivers. I. W. Conrad. 2,424,925; July 29.
Oarlock, Featherable pin type. W. H. Edmondson, Jr. 2,424,605; July 29.
Open hearth furnace banks, Repairing. C. A. Hogan. 2,424,825; July 29.
Optical image modulation, Subtractive. I. M. Terwilliger. 2,424,592; July 29.
Oscillator. W. P. Mason. 2,424,576; July 29.
Overhead boxcar door. O. M. Williams. 2,424,728; July 29.
Packing and making the same. R. M. Hill. 2,424,567; July 29.
Pad: *See*—
Shoulder pad.
Paper moistening dispenser. H. M. Herman. 2,424,565; July 29.
Paper punch, Spring. J. A. Bishop. 2,424,539; July 29.
Paraffins in the presence of nascent aluminum halide and a heterocyclic compound, Isomerization of. C. G. Myers, R. C. Hansford, and A. N. Sachanen. 2,424,953; July 29.
Paraformaldehyde modified reaction products of diisocyanates with linear polyester polyamide. B. J. Habgood, D. A. Harper, and R. J. W. Reynolds. 2,424,883; July 29.
Paraformaldehyde treatment of reaction products of diisocyanate with linear polyesters and linear polyesteramides and products resulting therefrom. J. M. Buist, D. A. Harper, W. F. Smith, and G. N. Welding. 2,424,885; July 29.
Pen, Fountain. H. A. Bauer, F. D. Woods, and G. L. Beckstrom. 2,424,731; July 29.
Penicillin, Producing. W. L. Koerber. 2,424,832; July 29.
Phenol formaldehyde molding composition, Making. W. H. Adams, Jr. 2,424,787; July 29.
Photoelectron multiplier. A. F. Roman. 2,424,850; July 29.
Picture frame. J. B. English. 2,424,686; July 29.
Pipe: *See*—
Flexible pipe.
Pipe coupling. C. Adams, Jr. 2,424,542; July 29.
Piston, Full floating. J. G. Wantz. 2,424,868; July 29.
Piston ring assembly. A. P. Fall. 2,424,881; July 29.
Pivotal joint. R. W. Brown. 2,424,914; July 29.
Planter, Rotary. M. J. U. Coetsee. 2,424,742; July 29.
Plate for frogs and crossings, Base. T. W. Stedman. 2,424,916; July 29.
Plated article and manufacturing same. E. T. Rahm. 2,424,583; July 29.
Pliers, Tamper. T. A. Heermans. 2,424,752; July 29.
Plow, Irrigation ditch. H. M. Hall. 2,424,820; July 29.
Pocket, Garment. W. T. Previdi. 2,424,666; July 29.
Polyhydric alcohol esters of phenoxyacetoxyacetic acid. M. L. Ernsberger and P. S. Pinkney. 2,424,652; July 29.
Polymeric peroxides of acetonyl acetone H. Rudoff. 2,424,851; July 29.
Polymerization products, Conjoint. E. W. Moffett and R. E. Smith. 2,424,838; July 29.
Polymerization product of dicarboxylic compounds and vinylic compounds, Conjoint. H. L. Gerhart. 2,424,814; July 29.
Ponycycle for children. N. J. Powlick. 2,424,632; July 29.
Post handling jack. L. A. Haney. 2,424,929; July 29.
Pregummed hanging material. J. V. Bauer and R. A. Selner. 2,424,546; July 29.
Press: *See*—
Dental press. Pivotal press.
Presser foot for cloth cutting machines. H. R. T. Gilbert. 2,424,748; July 29.
Pressure control apparatus, Cabin. W. A. Marshall, Jr. 2,424,764; July 29.
Printing device. M. Engler. 2,424,606; July 29.
Projectile. M. E. Kasper. 2,424,934; July 29.
Projector, Motion picture. D. Canady. 2,424,739; July 29.
Propeller pitch control. J. F. Haines. 2,424,749; July 29.
Propeller wing channel, Multiple. W. R. Custer. 2,424,556; July 29.
Protective apparatus, Approach. A. L. Brownlee. 2,424,677; July 29.
Protector for hair dryers, Face and neck. P. and R. Dicken. 2,424,744; July 29.
Puller: *See*—
Sleeve puller.
Pumping. W. W. Heckert. 2,424,751; July 29.

Pumping mechanism. C. F. Warren. 2,424,595; July 29.
Rack: *See*—
Drying rack.
Radiation meter. H. P. Kalmus. 2,424,933; July 29.
Radio altimeter or locator, Superheterodyne. W. L. Carlson. 2,424,796; July 29.
Radio control unit. A. W. Plensler. 2,424,845; July 29.
Rail car mover, Variable-speed. H. C. Pierce. 2,424,631; July 29.
Railway car truck spring mounting. K. F. Nystrom and V. L. Green. 2,424,625; July 29.
Razor blade and magazine therefor, Safety. N. Testi. 2,424,593; July 29.
Reenforced elliptical oil cooler. B. Burns. 2,424,795; July 29.
Remote-control system for railway signals. T. J. Judge. 2,424,696; July 29.
Remote-control system, Self-synchronous. O. M. Owsley. 2,424,843; July 29.
Revolving electrically conductive joint. F. N. Bard. 2,424,545; July 29.
Ringer, Electric. O. J. J. Bracke. 2,424,550; July 29.
Rivet, Flush. J. de Swart. 2,424,602; July 29.
Rubber composition and making same. S. L. Brams. 2,424,736; July 29.
Rubber valve stem. J. C. Crowley. 2,424,802; July 29.
Rubbery material into sheets, Continuously transforming a dispersion of a. W. F. Bixby. 2,424,648; July 29.
Safety power extension and junction box. C. O. Gallaher. 2,424,812; July 29.
Salt, and product thereof, Treating. H. Hempel. 2,424,815; July 29.
Salts, Treatment of matte to recover metallic. M. J. Udy. 2,424,866; July 29.
Sanitary pipe joint. W. Ebert. 2,424,682; July 29.
Scouring device. N. S. Ellis. 2,424,747; July 29.
Seismic surveying. J. O. Parr. 2,424,705; July 29.
Seismometer, Position dampened. J. F. Tolk. 2,424,724; July 29.
Sequential electric switching system. F. R. Jackson, Jr. 2,424,826; July 29.
Sewing machine. F. W. Breul. 2,424,793; July 29.
Sewing machine. N. V. Christensen. 2,424,798; July 29.
Sewing machine and lubricating the same, Lock stitch. Georgu Sauer. 2,424,855; July 29.
Shaft seal. H. C. Hamilton. 2,424,690; July 29.
Sheet cellulose to improve its dielectric properties, Treatment of regenerated. S. Ruben. 2,424,904; July 29.
Sheet material, Package of rolls of. J. D. Conti. 2,424,553; July 29.
Shoe stretcher. A. Rinnela. 2,424,669; July 29.
Shoes, Stiffening portions of the uppers of. W. H. Wedger. 2,424,869; July 29.
Shoulder pad. M. Lavin. 2,424,662; July 29.
Shutter and dimmer, Light. F. J. Aves. 2,424,575; July 29.
Signal device for mailboxes. J. C. Jones. 2,424,661; July 29.
Signal light. V. A. Marco. 2,424,574; July 29.
Signaling system, Electric. G. J. M. Penet. 2,424,579; July 29.
Signaling system, Long distance telephone. M. R. Mauge. 2,424,577; July 29.
Sink trap. H. A. Bell and W. S. Allen. 2,424,548; July 29.
Skate reinforcing plate, Roller. R. R. Ware, Jr. 2,424,783; July 29.
Skates, Roller and other. S. Guttridge. 2,424,819; July 29.
Skip. J. J. Korn. 2,424,620; July 29.
Sleeve puller. C. Eberhart. 2,424,681; July 29.
Soldering iron. J. A. Reitan. 2,424,848; July 29.
Spin vanes-control device for cooling fans in aircraft engines. H. E. Morton. 2,424,839; July 29.
Stabilizer for rotary wing aircraft, Horizontal. M. E. Gluhareff. 2,424,882; July 29.
Stacking device. R. I. Kuffler and S. M. Renfrew. 2,424,761; July 29.
Stand: *See*—
Christmas tree stand.
Stall warning device. W. W. Remy. 2,424,946; July 29.
Stapling machine. S. A. Crosby. 2,424,649; July 29.
Steering control mechanism. T. H. and W. H. Briggs. 2,424,912; July 29.
Stitching machine. W. R. Spiller and R. J. Niederhauser. 2,424,717; July 29.
Stock for automatic firearms, Folding. G. W. Patchett. 2,424,944; July 29.
Stopper, Leakproof. J. J. A. Jackson. 2,424,930; July 29.
Sulfur vulcanization of unsaturated reaction products of diisocyanate with linear polyesters and linear polyesteramides and products resulting therefrom. J. G. Cook, D. A. Harper, R. J. W. Reynolds, and W. F. Smith. 2,424,884; July 29.
Support: *See*—
Adjustable bed cover support.
Conductor support.
Support for electric resistors, Refractory. H. E. Trent. 2,424,780; July 29.
Surfacing small parts. G. P. Luckey and T. R. Schwalm. 2,424,835; July 29.
Switch: *See*—
Electrical switch.
Switch for dispatch systems, Gang. A. L. Riche. 2,424,668; July 29.
System for detecting magnetic masses. F. Rieber. 2,424,772; July 29.
System for heating liquids. V. F. Parry. 2,424,844; July 29.
System for locating the source of an explosion wave. P. G. Edwards and D. D. Robertson. 2,424,561; July 29.
Tags, labels or the like and making the same, Shipping. M. R. McClatchey, Jr. 2,424,621; July 29.
Tail gate assembly. C. C. Stuart. 2,424,862; July 29.
Tank: *See*—
Air tank.
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ISSUED JULY 29, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office

CASPER W. OOMS, *Commissioner*

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Condition of Applications Under Examination at Close of Business July 18, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 148,740; Trade-Mark Division, 12,961. Oldest new case, September 10, 1945; oldest amended, September 7, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 25	Jan. 11	3,040
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 12	3,634
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Apr. 3	Apr. 6	1,675
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Feb. 25	Feb. 2	3,225
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sept. 10	*Sept. 7	3,770
6. SURLE, H., Carbon Chemistry (part)	July 1	July 12	2,075
7. HANLIN, GEORGE, Optics; Photographic Apparatus	July 22	July 19	2,043
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 21	Feb. 23	4,040
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 28	*Dec. 10	2,151
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Mar. 28	Mar. 11	1,282
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Aug. 16	Oct. 11	845
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	Feb. 28	Feb. 19	2,714
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 5	*Nov. 5	2,299
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 24	May 27	1,309
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 22	*Oct. 11	2,012
16. LOVEWELL, N. N., Telegraphy; Telephony	May 9	June 3	1,391
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 1	Feb. 11	1,449
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Nov. 15	*Nov. 15	1,617
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 24	1,759
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes.	*Dec. 12	Jan. 12	1,806
21. THOMPSON, T. J., Textiles	Sept. 19	Sept. 26	878
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Jan. 26	Jan. 27	1,926
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Oct. 11	1,135
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 23	Nov. 5	1,714
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 25	Feb. 5	1,783
26. YOUNG, E. R., Electricity—Generation and Motive Power	Feb. 5	Jan. 23	2,221
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Feb. 26	Feb. 23	2,617
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Jan. 15	Jan. 9	1,343
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 19	Mar. 18	2,742
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 18	Mar. 18	2,579
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Aug. 22	Aug. 24	1,094
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 4	Feb. 4	2,556
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 16	*Nov. 19	3,352
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 7	Jan. 25	1,419
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Apr. 10	2,469
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 9	*Dec. 10	1,917
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 21	Mar. 29	1,602
38. ARNOLD, D. (Acting), Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	Mar. 19	Mar. 18	1,606
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 11	*Oct. 10	2,719
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Mar. 12	2,895
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	732
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Aug. 10	Aug. 26	1,080
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 24	Aug. 12	997
44. HARVEY, L. P., Refrigeration; Preserving	*Dec. 21	*Dec. 5	1,384
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 29	*Dec. 28	2,442
46. MUSHAKE, W. I., Concentrating, Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 12	Mar. 21	1,452
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Mar. 1	Mar. 11	3,081
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	*Dec. 3	*Dec. 6	1,814
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 6	Apr. 1	1,559
50. LEVIN, SAMUEL, Synthetic Resins	May 29	May 29	2,606
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 27	Feb. 20	2,037
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Apr. 24	Apr. 15	3,568
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Jan. 5	Jan. 5	4,051
54. STRACHAN, C. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	Apr. 20	Apr. 20	2,107
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	Jan. 9	Feb. 1	1,330
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	July 6	July 25	1,314
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Dec. 12	Jan. 5	3,300
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 2	May 17	2,151
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Nov. 23	*Nov. 5	2,159
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	May 21	2,033
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 21	2,938
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Dec. 22	Jan. 8	1,906
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Mar. 16	Mar. 12	2,194
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Sept. 28	Sept. 28	1,770
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	*Nov. 26	*Nov. 23	2,203
66. LISANN, I., Geometrical Instruments	*Oct. 1	*Oct. 2	2,255
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	*Dec. 1	*Dec. 12	1,395
Trade-Marks: MERCHANT, J. H.	Oct. 12	Dec. 6	12,961
Designs: BREHM, G. L. (Acting)	Mar. 29	*Jan. 6	9,107

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Winton

No. 5,266. Decided February 11, 1947

[159 F.(2d) 760; 72 USPQ 516]

Invention—Combination Old—Substitution of Equivalent Element Therein.

Where a prior patent discloses the combination of a liquid level indicating means and a gravity operated valve, and the appealed claim differs only in the use of a mercury valve, old per se, *Held* that the tribunals of the Patent Office were right in holding that there would be no invention in replacing the valve in the patent disclosing the combination, by the mercury valve, and that there would be no unobvious result by such substitution.

Same—New Combination.

Where neither of the references cited against claim 6 discloses the combination defined therein, and it is necessary in order to produce the claimed structure, to insert an entirely new element in the system of the reference relied upon in the rejection of that claim, *Held* "we are unable to subscribe to the view expressed by the tribunals of the Patent Office that the structure defined in claim 6 does not involve invention," and the decision of the Board of Appeals is reversed as to claim 6.

Appeal from the Patent Office. Modified.

L. C. Miller for Winton.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

Hatfield, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 4 and 6 in appellant's application for a patent for an invention for a liquid level indicating device for use particularly on ships to indicate the level or amount of water in a boiler. The invention is of particular use when the ship rolls or pitches, and the water in the boiler surges from one part to another.

Claims 1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 14, 15, and 16, were allowed by the Primary Examiner.

The appealed claims read:

4. A liquid level indicating mechanism for systems subject to bodily displacement of the type wherein a liquid column is subjected to opposed pressures, the difference between which is proportional to the liquid level, a liquid-containing portion of the mechanism including a chamber and conduits opening into the chamber for the passage of liquid therethrough under the influence of the pressures involved, at least one of the conduits trending upwardly adjacent the chamber, and a body of relatively heavy liquid in the bottom of the chamber which on inclination of the system in a given direction submerges the mouth of said one conduit and tends to rise therein.

6. A liquid level indicating mechanism for systems subject to bodily displacement comprising a differential manometer, a connection for placing one side of the same in communication with the body of liquid being measured, a connection for placing the other side of the same in communication with a source of fixed hydrostatic pressure, and valve means for interrupting one of said connections when the system is inclined to a determined angle including a chamber interposed in a liquid-containing portion of the system providing in the upper portion thereof a direct passageway and having in the bottom thereof a body of heavy liquid operating when the system is inclined and the level of the liquid rises at one side of the chamber to close off said passageway.

The references relied upon are: Ritz-Woller, 1,086,561, February 10, 1914; Newton, 1,382,582, June 21, 1921; Sneed, 2,133,215, October 11, 1938; Brown et al., 2,225,608, December 24, 1940.

Each of the appealed claims defines a liquid level indicating means especially adapted for use in connection with boilers or similar installations on ships. In such installations, the tilting of the boiler, due to movement of the ship, may result in an entirely inaccurate indication of the liquid level. Appellant's mechanism reduces such an inaccuracy by restricting the flow of liquid from one part of the indicating means to another during periods when the system in which the level is to be indicated is tilted.

In one illustrated form of appellant's invention there is provided a closed receptacle containing a body of mercury which only partially fills the receptacle. Two pipes enter the receptacle through the top and terminate therein above the normal level of the mercury. One of the pipes is connected to a boiler at a point near the bottom thereof, while the other pipe is connected to a small chamber adjacent the boiler, in which chamber water is maintained at a constant level. The chamber is connected at its upper portion to the upper portion of the boiler, so that the same steam pressure is maintained in the boiler and in the chamber. The upper part of the mercury-containing receptacle is filled with an indicating or measuring liquid, such as an acetylene tetrabromide, which is heavier than water but much lighter than mercury. The indicating liquid extends for some distance up the portions of the pipes adjacent the mercury-containing receptacle, and one of these portions is provided with a window through which the level of the indicating liquid may be observed.

With appellant's arrangement, when the ship on which the system is located is in normal position, so that the system is level, the mercury forms, in effect, the bottom of the receptacle in which it is located, while the upper part of the receptacle and the adjacent portions of the pipes form a U-tube

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filled with indicating liquid. As hereinbefore explained, one leg of the U-tube is connected to the boiler below the water level therein, while the other leg of the tube is connected to a body of water maintained at a constant level. Any variation in the level of the water in the boiler will, therefore, cause the indicating liquid to rise in one leg of the U-tube and to fall in the other, and the level of the indicating liquid in the U-tube thus affords an indication of the water level in the boiler. The tilting movement of the ship also tilts the body of mercury, so that it rises in one part of the receptacle and seals the mouth of one of the pipes which form the U-tube. The mercury which thus enters the end of the pipe will be forced up for some distance due to the tilting of the system but, since mercury is much heavier than the water or indicating fluid, this distance will be comparatively small, and the distortion of the reading of the meter will be much less than it would be if the mercury were not present, so that the meter will at all times give an approximately accurate reading.

The patent to Brown et al. discloses an arrangement which is substantially identical with that of appellant's except that it does not contain a body of mercury and includes no provision for compensating for tilting of the system. The Brown et al. arrangement comprises a boiler, a constant level chamber, a U-tube, and an indicating liquid.

The patent to Newton discloses a system for measuring the water level in the engine jacket of an automobile. The system includes a pipe which is connected at one end with the jacket below the water level therein and at the other end with a gauge glass. The upper end of this glass may, if desired, be connected to the upper part of the jacket. With that arrangement, when the car is in normal position, the water in the gauge glass will be at the same level as that in the jacket. When the car is tilted, however, as in going up or down hill, the engine will rise above or fall below the level of the glass. In order to prevent that condition from causing an inaccurate reading, the patentee provides two valves, either of which can shut off communication between the jacket and the gauge glass. The valves rest on an arm which is connected to a pivoted weight which hangs in a vertical position. The arrangement is such that when the car is horizontal, both valves will be open, but when the car is in an inclined position, the relative movement between the weight and the car will close one or the other of the two valves, thus preventing the flow of water between the jacket and the gauge glass and preserving an accurate reading of the glass.

The patent to Ritz-Woller shows a liquid measuring system for automobiles comprising a tank and a gauge which is connected at its top and bottom to the top and bottom of the tank respectively. In the pipe which connects the tops of the tank and gauge there is located a valve which comprises a normally horizontal tube which is closed at each end by a sleeve of chamois, and contains a body of mercury. Gasoline and air can pass through the chamois, but mercury cannot. When the system is level, the mercury remains in the middle of the tube, but tilting causes it to run to one end or the other, thus sealing the tube and cutting off the flow of air between the tank and gauge at their upper portions which in turn prevents the flow of liquid between the two at their lower portions and thus preserves an accurate reading of the gauge. As an alternative to the mercury valve, the patent discloses a valve actuated by a weight in a manner similar to that employed by the patentee Newton.

The patent to Sneed shows a valve for controlling the flow of illuminating gas to a burner. The valve comprises a closed chamber which is mounted on a pivot so that it can be tilted. Inlet and outlet pipes for the gas enter at the top of the chamber and terminate above the bottom thereof. The chamber contains a body of mercury which, when the chamber is horizontal, lies below the mouths of the pipes, but which acts to seal one pipe when the chamber is tilted.

Appealed claim 4 was rejected by the tribunals of the Patent Office on the disclosure in the patent to Newton in view of the disclosures in the patents to Sneed or Ritz-Woller.

The patent to Newton discloses the combination of a liquid level indicating means and a gravity operated valve, as called for by claim 4, and it was held by each of the Patent Office tribunals that it would not involve invention to replace the gravity operated valves, disclosed in the patent to Newton, by the equivalent mercury valve, disclosed in either the patents to Sneed or Ritz-Woller, and that such substitution would produce a structure as called for by appealed claim 4.

As hereinbefore noted, the patent to Newton discloses the idea of placing in the conduit, between the gauge and the vessel containing the liquid whose level is to be indicated, a double valve which is adapted to shut off the flow of liquid upon tilting in either direction.

We think it is clear, as held by the tribunals of the Patent Office, that it would not involve invention to replace the valves disclosed in the patent to Newton by the mercury valve disclosed in the patent to Sneed.

The mercury valve in the patent to Sneed is disclosed as applying to gas rather than liquid, however, since the patentee's valve is adapted to be used with liquid, such as water or gasoline, it would operate in the same manner with liquid as with gas. We are of opinion, therefore, that the tribunals of the Patent Office were right in holding that there would be no invention in replacing the valves disclosed in the patent to Newton by the valve disclosed in the patent to Sneed, and that there would be no unobvious result by such substitution. It is unnecessary, therefore, that we consider the rejection of the claim on the disclosure in the patent to Newton in view of the disclosure in the patent to Ritz-Woller.

It is our view that claim 4 was properly rejected.

Claim 6 differs from claim 4 in that it is limited to a system which includes a differential manometer; that is, a pressure or vacuum gauge having one side connected with a source of fixed hydrostatic pressure. The only reference cited by the tribunals of the Patent Office showing a system of that character is that disclosed in the patent to Brown et al., and it was that patent which was used by the Patent Office tribunals as a basic reference in the rejection of claim 6. Each of the tribunals was of opinion that it would not require invention to insert a gravity operated valve of the type disclosed in the patent to Ritz-Woller in the system disclosed in the patent to Brown et al., and claim 6 was rejected on the disclosure in the patent to Brown et al. in view of the disclosure in the patent to Ritz-Woller. The difficulty with the rejection of that claim, as we see it, is that the Brown et al. patent does not contemplate the possibility of tilting and provides no mechanism for offsetting it.

It is true that the patent to Ritz-Woller discloses a gravity operated valve for reducing the effect of tilting in a liquid level indicating system, but the patentee's valve is placed in the air line and not in a "liquid-containing position of the system," as called for by claim 6. However, there is nothing whatsoever in the record to indicate, except the mere assertions of the tribunals of the Patent Office, that the valve disclosed in the patent to Ritz-Woller, which involves an arrangement in which the fluid must pass through a chamois sleeve, could be satisfactorily used under water in a boiler system of the type disclosed in the patent to Brown et al.

As neither of the references cited against claim 6 discloses the combination therein defined, it is necessary in order to produce a structure of the type therein claimed, to insert an entirely new element in the Brown et al. system in a position which is not suggested by either of the references relied on in the rejection of that claim. Certainly there is no suggestion in either of the references that the valve disclosed in the patent to Ritz-Woller is adapted to be used in any liquid level indicating mechanism, such as defined by appealed claim 6. Accordingly, we are unable to subscribe to the view expressed by the tribunals of the Patent Office that the structure defined in claim 6 does not involve invention.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claim 4 and reversed as to claim 6.

Modified.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,508,437, W. A. Baker, Hot air pipe for carburetors, D. C., W. D. Tex. (Austin), Doc. 96, *W. A. Baker* v. *Western Auto Supply Co.* Dismissed with prejudice June 17, 1947.

1,887,926, S. Fox, Combination garment, filed June 12, 1947, D. C., S. D. N. Y., Doc. 42/70, *S. Fox* v. *Saks & Co. et al.*

1,895,308, G. D. Bishop, Fruit guard; 2,000,126, R. H. Dart, Lining collar for fruit boxes, D. C., S. D. Calif., N. Div., Doc. 298–ND, *Southland Paper Converting Co. et al.* v. *Fiberboard Products, Inc., et al.* "Plaintiffs enjoined from asserting infringement by defendants"; complaint and counterclaim dismissed June 19, 1947.

2,000,126. (See 1,895,308.)

2,048,483, 2,112,587, 2,112,588, 2,112,589, 2,112,591, 2,202,134, H. M. Barber, Web perfecting rotary press; 2,048,485, 2,199,812, same, Web printing rotary press; 2,195,822, J. E. Meyer, Folding mechanism for printing presses; 2,195,823, same, Method of producing folded products with bleed color pages facing each other; 2,155,358, T. M. Avery, Multi-color printing press, D. C., S. D. N. Y., Doc. 11/95, *C. B. Cottrell & Sons Co. et al.* v. *Goss Printing Press Co.* Judgment dismissing complaint June 30, 1947.

2,048,485. (See 2,048,483.)

2,051,063. (See Re. 22,660.)

2,051,667. (See Re. 22,660.)

2,098,847, A. J. Wenzel, Shirt sleeve, filed June 23, 1947, D. C., N. D. Ill., E. Div., Doc. 47c920, *Reliance Mfg. Co.* v. *David D. Doniger & Co., Inc., et al.*

2,112,587. (See 2,048,483.) 2,112,588. (See 2,048,483.)

2,112,589. (See 2,048,483.) 2,112,591. (See 2,048,483.)

2,155,355. (See 2,048,483.)

2,170,144, L. M. Kells et al., Slide rule; 2,422,649, J. R. Bland, same, filed June 20, 1947, D. C., N. D. Ill., E. Div., Doc. 47c913, *Keuffel & Esser Co.* v. *Pickett & Eckel, Inc., et al.*

2,195,822. (See 2,048,483.) 2,195,823. (See 2,048,483.)

2,199,812. (See 2,048,483.) 2,202,134. (See 2,048,483.)

2,219,865, C. E. Fitch, Impact wrench; 2,219,883, L. A. Amtsberg, same, filed June 26, 1947, D. C., N. D. Ohio, E. Div., Doc. 25033, *Chicago Pneumatic Tool Co.* v. *Independent Pneumatic Tool Co.*

2,219,883. (See 2,219,865.)

2,334,893, G. C. Arey, Inner tube for pneumatic tire casing, filed June 27, 1947, D. C., N. D. Ohio, E. Div., Doc. 25038, *G. C. Arey* v. *The Goodyear Tire & Rubber Co.*

2,340,586, S. Freed, Tire tool, filed June 23, 1947, D. C., E. D. N. Y., Doc. 8279, *S. Freed* v. *Sears, Roebuck & Co., Inc.*

2,409,425, D. R. Falkenberg, Drapery mounting, filed June 19, 1947, D. C., N. D. Ill., E. Div., Doc. 47c908, *D. R. Falkenberg* v. *Bernard Edward Co.*

2,417,687, L. Hunau, Brassière, filed June 17, 1947, D. C., S. D. N. Y., Doc. 42/154, *Exquisite Form Brassiere, Inc.*, v. *Lady Marlene Brassiere Corp.*

2,422,649. (See 2,170,144.)

Re. 20,033, F. W. Hudson, Soft-rubber plug and socket body, D. C. N. J. (Newark), Doc. 8249, *G. D. Hudson* v. *Hatfield Wire & Cable Corp.* Stipulation of discontinuance June 23, 1947.

Re. 22,660, Evans & McDonough, Method of and means for waving hair; 2,051,063, T. M. Winkel, Hair waving unit; 2,051,667, Y. Worth, Device for use in waving hair, filed June 20, 1947, D. C., N. D. Ill., E. Div., Doc. 47c911, *Sales Affiliates, Inc.*, v. *Halgar, Inc.* T. M. 103,027, W. H. & A. E. Margerison & Co., Turkish towels, bath-rugs, etc.; T. M. 284,760, West Point Mfg. Co., Bed fabrics, bath fabrics, nursery fabrics, etc., D. C. N. J. (Newark), 9306, *West Point Mfg. Co.* v. *Martes Print & Dye Works, Inc., et al.* Consent order of dismissal June 23, 1947.

T. M. 284,760. (See T. M. 103,027.)

NOTICES

Order No. 5252

Acting under the provisions of section 487 Revised Statutes (U. S. C., Title 35, section 11), Nicholas Rippen (by change of name, Nicholas Rippen Aabberly), whose post office address is 6420 Second Place, N. W., Washington, D. C., and whose registration number is 14,898, is hereby suspended from practice, as an agent or otherwise, before the United States Patent Office for a period of one year from the date hereof. He is also required to assign to Teofil L. Bonkowski, of Los Angeles, Calif., his application for patent Serial No. 608,476, filed August 2, 1945, or in the alternative to formally abandon the said application and the alleged invention therein disclosed. Upon a showing that such assignment or abandonment has been effected, his reinstatement on the register will be considered at the expiration of the said period of suspension.

CASPER W. OOMS,
Commissioner.

May 13, 1947.

Establishment of Division 67

Effective July 14, 1947, Division 67 was established in the Patent Examining Operation. This division is located in Room 2841, Commerce Building. Mr. C. F. Krafft, formerly of Division 38, has been transferred and made the Primary Examiner in charge of the new division.

The following classes or parts of classes have been transferred to Division 67 from the divisions indicated:

Class 41 from Division 38.

Class 95, subclasses 2, 5 to 9, inclusive, 81, 81.5, and 88 from Division 7.

Class 154, all the subclasses in Division 20, namely, (all figures inclusive) 1 to 2.5, 3 to 32, 33.05, 33.1, 35 to 39, 41 to 43, 44 to 45.9 from Division 20 and all the subclasses in Division 55, namely, 2.6, 2.70 to 2.81, 33, 34, 43.5, 46 to 56 and 75 to 142 from Division 55.

July 15, 1947.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,368,821, C. H. Foulkes, Mechanical adjustment of elements mounted inside vacuum tubes, decided June 30, 1947, claims 1, 2, and 3.

Pat. 2,386,027, W. E. Wing, Method of separating magnesia from dolomite, decided July 7, 1947, claim 1.

Pat. 2,386,580, W. R. Wickerham, Alternating current hoist control, decided July 8, 1947, claims 11, 12, 13, 14, and 15.

Pat. 2,388,542, W. V. Hobbs, Pressure measuring device, decided June 30, 1947, claims 1, 2, 3, 4, 6, and 7.

Disclaimers

2,368,607.—*Ellis Ross White*, Albany, Calif. CORROSION PROTECTION OF METALS. Patent dated Jan. 30, 1945. Disclaimer filed July 5, 1947, by the assignee, *Shell Development Company.*

Hereby enters this disclaimer to the prefix "di" appearing in the word "dicarboxylic" on page 1, second column, lines 9 and 38 respectively, of said patent.

2,404,367.—*Walter W. Durant*, Old Greenwich, and *William A. Blann*, Stamford, Conn. WATER PURIFICATION. Patent dated July 23, 1946. Disclaimer filed June 28, 1947, by the assignee, *American Cyanamid Company.*

Hereby disclaims claim 1.

Interference Notice

Harvey B. Martling, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson Jones Company, 3300 Franklin Boulevard, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 22, 1937, No. 347,269, to Harvey B. Martling, 908 Commerce St., Nashville, Tenn., and 114 20th Ave., South, Nashville, Tenn., and the notice of such declaration sent by registered mail to the said Martling at the said addresses of record having been returned by the post office undeliverable, notice is hereby given that unless said Martling, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

July 16, 1947.

Notice of Cancellation

James W. Shoemaker, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of John Lucas and Company, Inc., 322 Race Street, Philadelphia, Pa., to effect the cancellation of trade-mark registration of James W. Shoemaker, 1217 Old Chehalis Road, Centralia, Wash., No. 246,446, dated September 4, 1928, and the Patent Office having been advised that the said Shoemaker is deceased, notice is hereby given that unless the heirs of Shoemaker, his assigns, legal representatives, or other person claiming an interest in the registration, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

July 9, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The United Shoe Machinery Corporation has placed 2,092 patents on the Register of Patents as available for license. About one-fourth of these patents are useful in fields other than shoe machinery—among which are sewing machines, cement dispensing devices, and buffing rolls. The complete list of patents will be published in groups in the OFFICIAL GAZETTE from July 29, to August 19 inclusive. A brochure containing abstracts of these patents may be obtained from the Commissioner of Patents, Washington, D. C., or from the United Shoe Machinery Corporation, 140 Federal St., Boston 10, Mass. Group 35—59. Reg. Nos. 6,550 to 7,079, inclusive, are printed herewith.

Pat. 2,008,072. MACHINE FOR SHAPING SHOE UPPERS. Patented July 16, 1935.

Pat. 2,008,780. HEEL COATING MACHINE. Patented July 23, 1935.

Pat. 2,008,797. SHOE BUFFING MACHINE. Patented July 23, 1935.

Pat. 2,008,801. CEMENTING MACHINE. Patented July 23, 1935.

Pat. 2,009,486. CEMENTING MACHINE. Patented July 30, 1935.

Pat. 2,009,553. MACHINE FOR TRIMMING AND MOLDING HEEL COVERS. Patented July 30, 1935.

Pat. 2,009,563. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented July 30, 1935.

Pat. 2,010,091. METHOD AND MEANS FOR USE IN MAKING SHOES. Patented Aug. 8, 1935.

Pat. 2,011,668. GROOVING DEVICE FOR OPERATING ON SHOES. Patented Aug. 20, 1935.

Pat. 2,011,682. LASTING MACHINE. Patented Aug. 20, 1935.

Pat. 2,012,293. SPLITTING MACHINE. Patented Aug. 27, 1935.

Pat. 2,012,297. LASTING MACHINE. Patented Aug. 27, 1935.

Pat. 2,012,299. FASTENER-INSERTING MACHINE. Patented Aug. 27, 1935.

Pat. 2,012,335. MACHINE FOR APPLYING INTENSE HEAT. Patented Aug. 27, 1935.

Pat. 2.013,022. HEEL COVER TRIMMING MACHINE. Patented Sept. 3, 1935.

Pat. 2,013,057. LASTING MACHINE. Patented Sept. 3, 1935.

Pat. 2,013,851. MARKING MACHINE. Patented Sept. 10, 1935.

Pat. 2,014,391. APPARATUS FOR APPLYING ADHESIVE TO THE BOTTOMS OF LASTED SHOES. Patented Sept. 17, 1935.

Pat. 2,014,453. FOLDING SHEET MATERIAL. Patented Sept. 17, 1935.

Pat. 2,014,462. SHOE MACHINE. Patented Sept. 17, 1935.

Pat. 2,014,469. FOLDING MACHINE. Patented Sept. 17, 1935.

Pat. 2,015,134. WELT COATING MACHINE. Patented Sept. 24, 1935.

Pat. 2,017,151. SKIVING MACHINE. Patented Oct. 15, 1935.

Pat. 2,017,163. ABRADING MACHINE. Patented Oct. 15, 1935.

Pat. 2,018,808. MECHANISM FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS. Patented Oct. 29, 1935.

Pat. 2,019,563. PAD FOR PRESSING SHOES. Patented Nov. 5, 1935.

Pat. 2,021,138. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Nov. 19, 1935.

Pat. 2,021,219. CLICKING MACHINE. Patented Nov. 19, 1935.

Pat. 2,021,225. METHOD OF AND APPARATUS FOR MAKING SHOES. Patented Nov. 19, 1935.

Pat. 2,021,953. CEMENTING APPARATUS. Patented Nov. 26, 1935.

Pat. 2,021,958. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Nov. 26, 1935.

Pat. 2,021,966. METHOD OF AND MACHINE FOR AFFIXING REINFORCING MEMBERS TO ARTICLES AND FOR PRESSING SEAMS. Patented Nov. 26, 1935.

Pat. 2,022,752. UNBUTTONING DEVICE. Patented Dec. 3, 1935.

Pat. 2,022,763. MACHINE FOR DRIVING TUBES INTO HEELS. Patented Dec. 3, 1935.

Pat. 2,022,772. METHOD OF AND APPARATUS FOR TRIMMING TOP LIFTS OF HEELS. Patented Dec. 3, 1935.

Pat. 2,022,777. COATING APPARATUS. Patented Dec. 3, 1935.

Pat. 2,022,783. POSITIONING OF LASTS. Patented Dec. 3, 1935.

Pat. 2,024,154. SOLE PRESSING MEANS AND METHOD OF MAKING SHOES. Patented Dec. 17, 1935.

Pat. 2,024,171. MACHINE FOR SHAPING SHOE UPPERS. Patented Dec. 17, 1935.

Pat. 2,025,133. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Dec. 24, 1935.

Pat. 2,026,083. PRESSING MACHINE. Patented Dec. 31, 1935.

Pat. 2,026,391. SOLE ATTACHING APPARATUS. Patented Dec. 31, 1935.

Pat. 2,026,628. MACHINE FOR ROUNDING AND CHANNELING SOLES. Patented Jan. 7, 1936.

Pat. 2,026,634. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Jan. 7, 1936.

Pat. 2,027,445. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Jan. 14, 1936.

Pat. 2,028,167. MACHINE FOR SHAPING SHOE UPPERS. Patented Jan. 21, 1936.

Pat. 2,028,248. LASTING MACHINE. Patented Jan. 21, 1936.

Pat. 2,028,351. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Jan. 21, 1936.

Pat. 2,028,796. APPLICATION OF FINELY DIVIDED MATERIAL TO ARTICLES OF MANUFACTURE. Patented Jan. 28, 1936.

Pat. 2,028,832. APPARATUS FOR MOLDING SOLES. Patented Jan. 28, 1936.

Pat. 2,029,304. TRIMMING MACHINE. Patented Feb. 4, 1936.

Pat. 2,029,305. TRIMMING MACHINE. Patented Feb. 4, 1936.

Pat. 2,029,544. COUNTER SHAPING MACHINE. Patented Feb. 4, 1936.

Pat. 2,030,139. METHOD OF AND APPARATUS FOR ATTACHING SHOE HEELS. Patented Feb. 11, 1936.

Pat. 2,030,153. ABRADING MACHINE. Patented Feb. 11, 1936.

Pat. 2,031,491. SOLE ATTACHING APPARATUS. Patented Feb. 18, 1936.

Pat. 2,032,409. LASTING MACHINE. Patented Mar. 3, 1936.

Pat. 2,032,418. ABRADING MACHINE. Patented Mar. 3, 1936.

Pat. 2,033,221. NAILING MACHINE. Patented Mar. 10, 1936.

Pat. 2,033,224. CLUTCH OPERATING MECHANISM FOR PRESSES. Patented Mar. 10, 1936.

Pat. 2,033,248. SHOE MACHINE. Patented Mar. 10, 1936.

Pat. 2,034,061. APPARATUS FOR OPERATING UPON RUBBER STOCK & LIKE MATERIAL. Patented Mar. 17, 1936.

Pat. 2,034,062. DRIVING MECHANISM. Patented Mar. 17, 1936.

Pat. 2,034,063. WEB SUPPLYING APPARATUS. Patented March 17, 1936.

Pat. 2,034,734. MACHINE FOR OPERATING UPON THE HEEL PORTIONS OF SHOES. Patented Mar. 24, 1936.

Pat. 2,034,740. FASTENER TURNING MACHINE. Patented Mar. 24, 1936.

Pat. 2,034,741. SHOE SUPPORTING AND CLAMPING MECHANISM. Patented Mar. 24, 1936.

Pat. 2,034,742. HEEL SEAT FITTING MACHINE. Patented Mar. 24, 1936.

Pat. 2,034,774. FASTENER DISTRIBUTING MECHANISM. Patented Mar. 24, 1936.

Pat. 2,035,522. FOLDING MACHINE. Patented Mar. 31, 1936.

Pat. 2,035,549. SHOE SUPPORTING MECHANISM. Patented Mar. 31, 1936.

Pat. 2,035,551. MACHINE FOR DRIVING LINEAR OBJECTS. Patented Mar. 31, 1936.

Pat. 2,036,324. MACHINE FOR APPLYING LIQUID TO ARTICLES. Patented Apr. 7, 1936.

Pat. 2,036,339. LAST PULLING MACHINE. Patented Apr. 7, 1936.

Pat. 2,038,636. WOOD HEEL CONCAVING MACHINE. Patented Apr. 28, 1936.

Pat. 2,038,696. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Apr. 28, 1936.

Pat. 2,039,321. PUNCHING AND MARKING MACHINE. Patented May 5, 1936.

Pat. 2,039,359. FOXING CEMENTING MACHINE. Patented May 5, 1936.

Pat. 2,040,138. METHOD AND MACHINE FOR USE IN LASTING SHOES. Patented May 12, 1936.

Pat. 2,040,756. MACHINE FOR OPERATING UPON SHOES. Patented May 12, 1936.

Pat. 2,040,885. FASTENING INSERTING MACHINE. Patented May 19, 1936.

Pat. 2,041,095. MACHINE FOR OPERATING UPON SHOES. Patented May 19, 1936.

Pat. 2,041,379. FOXING LAYING MACHINE. Patented May 19, 1936.

Pat. 2,042,545. TAPING AND FOLDING MACHINE. Patented June 2, 1936.

Pat. 2,042,559. CONDITIONING DEVICE. Patented June 2, 1936.

Pat. 2,044,089. SKIVING MACHINE. Patented June 16, 1936.

Pat. 2,044,097. FOLDING MACHINE. Patented June 16, 1936.

Pat. 2,044,104. MACHINE FOR OPERATING UPON SOLES. Patented June 16, 1936.

Pat. 2,044,289. FOLDING MACHINE. Patented June 16, 1936.

Pat. 2,045,705. APPARATUS FOR VULCANIZING RUBBER SOLES ON SHOES. Patented June 30, 1936.

Pat. 2,045,711. WORK SUPPORTING DEVICE. Patented June 30, 1936.

Pat. 2,046,421. COATING APPLYING MACHINE. Patented July 7, 1936.

Pat. 2,046,454. SLOT FORMING MACHINE. Patented July 7, 1936.

Pat. 2,048,073. INDENTING MACHINE. Patented July 21, 1936.

Pat. 2,048,595. SOLE SHAPING MACHINE. Patented July 21, 1936.

Pat. 2,049,546. FOLDING MACHINE. Patented Aug. 4, 1936.

Pat. 2,050,264. EDGE BURNISHING MACHINE. Patented Aug. 11, 1936.

Pat. 2,050,312. HEEL ATTACHING MACHINE. Patented Aug. 11, 1936.

Pat. 2,050,348. METHOD AND APPARATUS FOR MAKING A HEEL. Patented Aug. 11, 1936.

Pat. 2,050,377. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Aug. 11, 1936.

Pat. 2,051,154. COATING APPARATUS. Patented Aug. 18, 1936.

Pat. 2,051,836. COVERING MACHINE. Patented Aug. 25, 1936.

Pat. 2,051,852. TRIMMING MACHINE. Patented Oct. 25, 1936.

Pat. 2,053,313. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Sept. 8, 1936.

Pat. 2,053,320. TRIMMING MACHINE. Patented Sept. 8, 1936.

Pat. 2,053,345. NAIL SUPPLYING APPARATUS. Patented Sept. 8, 1936.

Pat. 2,054,938. LASTING MACHINE. Patented Sept. 22, 1936.

Pat. 2,054,944. APPLICATION OF ADHESIVE. Patented Sept. 22, 1936.

Pat. 2,056,308. APPARATUS FOR IMPREGNATING PERVIOUS MATERIAL. Patented Oct. 6, 1936.

Pat. 2,056,312. MACHINE FOR FOLDING THE MARGIN OF SHEET MATERIAL. Patented Oct. 6, 1936.

Pat. 2,056,325. NOZZLE FOR SHOE COATING MACHINE. Patented Oct. 6, 1936.

Pat. 2,057,714. DEVICE FOR APPLYING HEEL BREAST COVERING FLAPS. Patented Oct. 20, 1936.

Pat. 2,057,747. CONCAVING MACHINE. Patented Oct. 20, 1936.

Pat. 2,058,446. SHOE SOLE CEMENTING APPARATUS. Patented Oct. 27, 1936.

Pat. 2,059,327. MACHINE FOR SHAPING SHOE UPPERS OR PARTS THEREOF. Patented Nov. 3, 1936.

Pat. 2,059,768. APPARATUS FOR OPERATING ON SOLES. Patented Nov. 3, 1936.

Pat. 2,060,057. METHOD OF AND MEANS FOR USE IN THE MANUFACTURE OF SHOES. Patented Nov. 10, 1936.

Pat. 2,060,061. SOLE LAYING MACHINE. Patented Nov. 10, 1936.

Pat. 2,063,149. MACHINE FOR COATING THE PERIPHERAL PORTIONS OF SOLES. Patented Dec. 8, 1936.

Pat. 2,063,167. LASTING TOOL. Patented Dec. 8, 1936.

Pat. 2,063,172. MACHINE FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS. Patented Dec. 8, 1936.

Pat. 2,063,193. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Dec. 8, 1936.

Pat. 2,063,993. SHOE TURNING MACHINE. Patented Dec. 15, 1936.

Pat. 2,064,932. COATING APPLYING MACHINE. Patented Dec. 22, 1936.

Pat. 2,064,939. METHOD OF ATTACHING HEELS TO SHOES AND APPARATUS FOR PERFORMING SUCH METHOD. Patented Dec. 22, 1936.

Pat. 2,065,621. MACHINE FOR OPERATING UPON SHEET MATERIALS. Patented Dec. 29, 1936.

Pat. 2,067,280. PRESSURE DEVICE. Patented Jan. 12, 1937.

Pat. 2,068,000. HEEL ATTACHING MACHINE. Patented Jan. 19, 1937.

Pat. 2,068,710. MACHINE FOR OPERATING ON HEELS. Patented Jan. 26, 1937.

Pat. 2,069,371. DISPENSING DISH. Patented Feb. 2, 1937.

Pat. 2,070,726. METHOD OF AND MACHINE FOR FINISHING SEAMS. Patented Feb. 16, 1937.

Pat. 2,072,195. COUNTER MOLDING MACHINE. Patented Mar. 2, 1937.

Pat. 2,072,213. LASTING MACHINE. Patented Mar. 2, 1937.

Pat. 2,073,027. EDGING MACHINE. Patented Mar. 9, 1937.

Pat. 2,075,903. METHOD OF AND MACHINE FOR INSERTING FASTENINGS. Patented Apr. 6, 1937.

Pat. 2,075,924. MACHINE FOR OPERATING UPON SHOE SOLES. Patented Apr. 6, 1937.

Pat. 2,076,537. HEEL ATTACHING AND FLAP LAYING MACHINE. Patented Apr. 13, 1937.

Pat. 2,076,767. BORING APPARATUS. Patented Apr. 13, 1937.

Pat. 2,078,307. MACHINE FOR COVERING HEELS. Patented Apr. 27, 1937.

Pat. 2,078,317. FASTENING FORMING AND DELIVERING MECHANISM. Patented Apr. 27, 1937.

Pat. 2,078,336. MACHINE FOR CUTTING SHEET MATERIAL. Patented Apr. 27, 1937.

Pat. 2,078,342. SCOURING MACHINE. Patented Apr. 27, 1937.

Pat. 2,080,538. ABRADING MACHINE. Patented May 18, 1937.

Pat. 2,080,547. RIMMING MACHINE FOR WOOD HEELS. Patented May 18, 1937.

Pat. 2,080,638. WOOD HEEL MACHINE. Patented May 18, 1937.

Pat. 2,081,228. METHOD AND MACHINE FOR USE IN MANUFACTURING SHOES. Patented May 25, 1937.

Pat. 2,082,043. HEEL COVERING MACHINE. Patented June 1, 1937.

Pat. 2,082,837. LASTING MACHINE. Patented June 8, 1937.

Pat. 2,082,861. MACHINE FOR OPERATING ON SHOE PARTS. Patented June 8, 1937.

Pat. 2,082,862. LOCATING DEVICE. Patented June 8, 1937.

Pat. 2,083,568. FASTENING INSERTING MACHINE. Patented June 15, 1937.

Pat. 2,083,655. FASTENER INSERTING MACHINE. Patented June 15, 1937.

Pat. 2,083,777. MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS. Patented June 15, 1937.

Pat. 2,084,557. HEEL-SEAT FITTING MACHINE. Patented June 22, 1937.

Pat. 2,085,426. ROUNDING MACHINE. Patented June 29, 1937.

Pat. 2,085,846. SOLE EDGE WETTING DEVICE. Patented July 6, 1937.

Pat. 2,085,851. PRESSURE MECHANISM FOR HEEL ATTACHING MACHINES. Patented July 6, 1937.

Pat. 2,085,852. HEEL ATTACHING MACHINE. Patented July 6, 1937.

Pat. 2,085,870. HEEL SEAT FORMING MACHINE. Patented July 6, 1937.

Pat. 2,086,929. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented July 13, 1937.

Pat. 2,088,570. WIRE FEEDING MECHANISM. Patented Aug. 3, 1937.

Pat. 2,088,745. SPLITTING MACHINE. Patented Aug. 3, 1937.

Pat. 2,088,761. FASTENING INSERTING MECHANISM. Patented Aug. 3, 1937.

Pat. 2,088,765. GOUGING MACHINE. Patented Aug. 3, 1937.

Pat. 2,089,195. MEANS FOR USE IN MANUFACTURING MOCCASINS. Patented Aug. 10, 1937.

Pat. 2,089,246. SKIVING MACHINE. Patented Aug. 10, 1937.

Pat. 2,089,257. WELT SUPPORT FOR SOLE ATTACHING MACHINES. Patented Aug. 10, 1937.

Pat. 2,089,852. MACHINE FOR OPERATING ON SHOES. Patented Aug. 10, 1937.

Pat. 2,090,024. WOOD HEEL TURNING MACHINE. Patented Aug. 17, 1937.

Pat. 2,090,030. DRIER. Patented Aug. 17, 1937.

Pat. 2,091,351. MACHINE FOR OPERATING ON SOLES AND SHOES. Patented Aug. 31, 1937.

Pat. 2,091,368. SOLE ATTACHING APPARATUS. Patented Aug. 31, 1937.

Pat. 2,091,383. LASTING TOOL. Patented Aug. 31, 1937.

Pat. 2,092,045. HEEL SEAT FITTING MACHINE. Patented Sept. 7, 1937.

Pat. 2,092,078. FASTENING INSERTING MACHINE. Patented Sept. 7, 1937.

Pat. 2,092,094. LASTING TOOL. Patented Sept. 7, 1937.

Pat. 2,093,435. METHOD OF AND MACHINE FOR REMOVING LASTS FROM SHOES. Patented Sept. 21, 1937.

Pat. 2,093,439. SOLVENT APPLYING MACHINE. Patented Sept. 21, 1937.

Pat. 2,094,120. MACHINE FOR OPERATING ON SOLES. Patented Sept. 28, 1937.

Pat. 2,094,905. METHOD OF AND MACHINE FOR OPERATING UPON SHOE PARTS. Patented Oct. 5, 1937.

Pat. 2,095,424. SOLE PRESSING PAD. Patented Oct. 12, 1937.

Pat. 2,095,687. HEEL ATTACHING MACHINE. Patented Oct. 12, 1937.

Pat. 2,095,962. HEEL COVERING MACHINE. Patented Oct. 19, 1937.

Pat. 2,096,165. ROUNDING MACHINE. Patented Oct. 19, 1937.

Pat. 2,096,183. METHOD AND MEANS FOR USE IN LASTING SHOES. Patented Oct. 19, 1937.

Pat. 2,097,557. FLUID-APPLYING MACHINE. Patented Nov. 2, 1937.

Pat. 2,097,574. SHOE TREATING MACHINE. Patented Nov. 2, 1937.

Pat. 2,098,358. LASTING MACHINE. Patented Nov. 9, 1937.

Pat. 2,098,366. LEVELING MACHINE. Patented Nov. 9, 1937.

Pat. 2,099,017. MACHINE FOR OPERATING UPON SHOE PARTS. Patented Nov. 16, 1937.

Pat. 2,099,042. LIP TURNING MACHINE. Patented Nov. 16, 1937.

Pat. 2,100,431. SPLITTING MACHINE. Patented Nov. 30, 1937.

Pat. 2,100,452. CEMENTING MACHINE. Patented Nov. 30, 1937.

Pat. 2,101,179. METHOD OF AND APPARATUS FOR OPERATING ON UNATTACHED SOLES. Patented Dec. 7, 1937.

Pat. 2,102,660. MACHINE FOR OPERATING ON SHEET MATERIAL. Patented Dec. 21, 1937.

Pat. 2,104,115. WOOD HEEL MAKING MACHINE. Patented Jan. 4, 1938.

Pat. 2,105,377. FASTENING INVERTING MECHANISM. Patented Jan. 11, 1938.

Pat. 2,105,388. FINISHING MACHINE. Patented Jan. 11, 1938.

Pat. 2,105,427. METHOD AND APPARATUS FOR OPERATING ON SHOES. Patented Jan. 11, 1938.

Pat. 2,105,601. MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS. Patented Jan. 18, 1938.

Pat. 2,106,268. FOLDING MACHINE AND METHOD OF COVERING INSOLES TO WHICH SAID MACHINE MAY BE APPLIED. Patented Jan. 25, 1938.

Pat. 2,107,281. SPLITTING MACHINE. Patented Feb. 8, 1938.

Pat. 2,107,365. HEATING APPARATUS SUITABLE FOR USE IN SHOEMAKING. Patented Feb. 8, 1938.

Pat. 2,108,177. METHOD OF AND MACHINE FOR TRIMMING. Patented Feb. 15, 1938.

Pat. 2,108,859. METHOD AND MEANS FOR USE IN LASTING SHOES. Patented Feb. 22, 1938.

Pat. 2,109,563. LASTING MACHINE. Patented Mar. 1, 1938.

Pat. 2,109,570. METHOD OF AND MACHINE FOR INSERTING FASTENINGS. Patented Mar. 1, 1938.

Pat. 2,110,157. COATING APPLYING MACHINE. Patented Mar. 8, 1938.

Pat. 2,110,933. SHOE FINISHING MACHINE. Patented Mar. 15, 1938.

Pat. 2,110,938. COATING APPARATUS. Patented Mar. 15, 1938.

Pat. 2,110,949. MACHINE FOR OPERATING UPON THE HEEL PORTIONS OF SHOES. Patented Mar. 15, 1938.

Pat. 2,111,606. MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS. Patented Mar. 22, 1938.

Pat. 2,111,610. EDGING MACHINE. Patented Mar. 22, 1938.

Pat. 2,111,612. MARKING MACHINE. Patented Mar. 22, 1938.

Pat. 2,111,865. COATING APPARATUS. Patented Mar. 22, 1938.

Pat. 2,112,428. MEASURING MACHINE. Patented Mar. 29, 1938.

Pat. 2,112,885. LOADING MECHANISM FOR HEEL ATTACHING MACHINES. Patented Apr. 5, 1938.

Pat. 2,112,891. MARKING MACHINE. Patented Apr. 5, 1938.

Pat. 2,113,684. CEMENTING MACHINE. Patented Apr. 12, 1938.

Pat. 2,113,690. COATING APPARATUS. Patented Apr. 12, 1938.

Pat. 2,115,507. CUTTING BLOCK. Patented Apr. 26, 1938.

Pat. 2,115,722. LASTING MACHINE. Patented May 3, 1938.

Pat. 2,115,838. SHOE FINISHING MACHINE. Patented May 3, 1938.

Pat. 2,115,978. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented May 3, 1938.

Pat. 2,116,627. MACHINE FOR SLOTTING HEELS. Patented May 10, 1938.

Pat. 2,116,680. ROUNDING MACHINE AND KNIFE THEREFOR. Patented May 10, 1938.

Pat. 2,117,328. SHOE BOTTOM PRESSING MACHINE. Patented May 17, 1938.

Pat. 2,117,336. LASTING MACHINE. Patented May 17, 1938.

Pat. 2,118,393. COUNTER MOLDING MACHINE. Patented May 24, 1938.

Pat. 2,119,840. MACHINE FOR COVERING HEELS. Patented June 7, 1938.

Pat. 2,120,325. INKING EDGES OF SHOE PARTS. Patented June 14, 1938.

Pat. 2,120,781. SIDE LASTING MACHINE. Patented June 14, 1938.

Pat. 2,122,486. LIP TURNING MACHINE. Patented July 5, 1938.

Pat. 2,123,277. DEVICE FOR OPERATING UPON SHOE SOLES. Patented July 12, 1938.

Pat. 2,123,281. MACHINE FOR PRESSING THE BOTTOMS OF SHOES. Patented July 12, 1938.

Pat. 2,123,292. MACHINE FOR USE IN MANUFACTURING BOOTS AND SHOES. Patented July 12, 1938.

Pat. 2,123,875. PERFORATING MACHINE. Patented July 19, 1938.

Pat. 2,123,926. HEEL ATTACHING AND FLAP LAYING MACHINE. Patented July 19, 1938.

Pat. 2,124,546. HEEL-SEAT FORMING MACHINE. Patented July 26, 1938.

Pat. 2,124,649. TOOL FOR OPERATING ON SHOES. Patented July 26, 1938.

Pat. 2,124,662. MACHINE FOR OPERATING UPON THE BOTTOMS OF SHOES. Patented July 26, 1938.

Pat. 2,125,349. HEEL ATTACHING MACHINE. Patented Aug. 2, 1938.

Pat. 2,125,884. MACHINE FOR LASTING SHOES. Patented Aug. 9, 1938.

Pat. 2,125,959. CUTTING MACHINE. Patented Aug. 8, 1938.

Pat. 2,125,960. SHOE UPPER EDGE TREATING MACHINE. Patented Aug. 9, 1938.

Pat. 2,125,975. MARKING MACHINE. Patented Aug. 9, 1938.

Pat. 2,126,802. SHOE FINISHING MACHINE. Patented Aug. 16, 1938.

Pat. 2,127,707. MACHINE FOR OPERATING ON SHOES. Patented Aug. 23, 1938.

Pat. 2,128,320. SKIVING MACHINE. Patented Aug. 30, 1938.

Pat. 2,131,744. PRESS. Patented Oct. 4, 1938.

Pat. 2,131,837. TOE LASTING MACHINE. Patented Oct. 4, 1938.

Pat. 2,131,840. SHOE UPPER STRETCHING MACHINE. Patented Oct. 4, 1938.

Pat. 2,131,845. MEANS FOR OPERATING UPON THE HEEL-PORTIONS OF SHOES. Patented Oct. 4, 1938.

Pat. 2,133,372. HEEL ATTACHING MACHINE. Patented Oct. 18, 1938.

Pat. 2,133,397. MACHINE FOR EFFECTING RELATIVE MOVEMENT BETWEEN SHOES AND THEIR LASTS. Patented Oct. 18, 1938.

Pat. 2,134,100. SOLE MACHINE. Patented Oct. 25, 1938.

Pat. 2,136,522. METHOD OF AND MACHINE FOR CUTTING WOOD HEELS. Patented Nov. 15, 1938.

Pat. 2,137,326. SPLITTING MACHINE. Patented Nov. 22, 1938.

Pat. 2,137,331. SHOE REST. Patented Nov. 22, 1938.

Pat. 2,138,022. SPLITTING MACHINE. Patented Nov. 29, 1938.

Pat. 2,138,094. SMOOTHING ROLL. Patented Nov. 29, 1938.

Pat. 2,138,099. LASTING MACHINE. Patented Nov. 29, 1938.

Pat. 2,138,951. ROUNDING MACHINE. Patented Dec. 6, 1938.

Pat. 2,139,765. MACHINE FOR INCREASING THE FLEXIBILITY OF SOLES. Patented Dec. 13, 1938.

Pat. 2,141,213. METHOD AND MEANS FOR SHAPING SHOE UPPER MATERIALS TO THE CONTOUR OF A LAST. Patented Dec. 27, 1938.

Pat. 2,143,071. LEVELING MACHINE. Patented Jan. 10, 1939.

Pat. 2,143,185. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Jan. 10, 1939.

Pat. 2,144,620. PERFORATING MACHINE. Patented Jan. 24, 1939.

Pat. 2,144,732. METHOD OF AND MACHINE FOR USE IN SHAPING MOCCASINS OVER LASTS. Patented Jan. 24, 1939.

Pat. 2,146,302. ABRADING TOOL. Patented Feb. 7, 1939.

Pat. 2,147,735. FOLDING MACHINE. Patented Feb. 21, 1939.

Pat. 2,147,738. TAPE DISPENSING DEVICE. Patented Feb. 21, 1939.

Pat. 2,147,742. HEEL-SEAT FITTING MACHINE. Patented Feb. 21, 1939.

Pat. 2,147,744. WORK SUPPORT. Patented Feb. 21, 1939.

Pat. 2,147,749. FOLDING MACHINE. Patented Feb. 21, 1939.

Pat. 2,148,528. MACHINE FOR EFFECTING RELATIVE MOVEMENT BETWEEN LASTS AND SHOES. Patented Feb. 28, 1939.

Pat. 2,150,272. MARKING MACHINE. Patented Mar. 14, 1939.

Pat. 2,150,274. MACHINE FOR TREATING ARTICLES OF SHEET MATERIAL. Patented Mar. 14, 1939.

Pat. 2,150,277. HEEL-SEAT FITTING MACHINE. Patented Mar. 14, 1939.

Pat. 2,150,279. STIFFENER PLACING MACHINE. Patented Mar. 14, 1939.

Pat. 2,151,005. MACHINE FOR COVERING HEELS. Patented Mar. 21, 1939.

Pat. 2,151,038. HEEL ATTACHING MACHINE. Patented Mar. 21, 1939.

Pat. 2,152,646. HEEL PRESS AND METHOD OF PRESSING HEELS. Patented Apr. 4, 1939.

Pat. 2,154,563. SKIVING MACHINE. Patented Apr. 18, 1939.

Pat. 2,155,566. FASTENING INSERTING MACHINE. Patented Apr. 25, 1939.

Pat. 2,157,200. MARKING MACHINE. Patented May 9, 1939.

Pat. 2,157,216. METHOD OF AND MEANS FOR INSERTING FASTENINGS. Patented May 9, 1939.

Pat. 2,158,196. MACHINE FOR USE IN PRESSING SOLES ON SHOE BOTTOMS. Patented May 16, 1939.

Pat. 2,159,001. SKIVING MACHINE. Patented May 23, 1939.

Pat. 2,160,826. COATING APPARATUS. Patented June 6, 1939.

Pat. 2,160,843. DRIVER ADJUSTING MEANS FOR FASTENING INSERTING MACHINES. Patented June 6, 1939.

Pat. 2,161,257. PRESS. Patented June 6, 1939.

Pat. 2,162,781. COATING APPARATUS. Patented June 20, 1939.

Pat. 2,162,798. NAILING MACHINE. Patented June 20, 1939.

Pat. 2,162,824. HEEL ATTACHING MACHINE. Patented June 20, 1939.

Pat. 2,163,688. MACHINE FOR MANUFACTURING SHOES. Patented June 27, 1939.

Pat. 2,163,689. METHOD OF AND MACHINE FOR MANUFACTURING SHOES. Patented June 27, 1939.

Pat. 2,164,347. SHOE MACHINE. Patented July 4, 1939.

Pat. 2,165,262. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented July 11, 1939.

Pat. 2,165,361. MACHINE FOR FASTENING UPPERS TO INSOLES. Patented July 11, 1939.

Pat. 2,165,384. TRIMMING MACHINE. Patented July 11, 1939.

Pat. 2,166,280. SKIVING MACHINE. Patented July 18, 1939.

Pat. 2,166,936. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented July 25, 1939.

Pat. 2,167,054. SOLE FITTING MACHINE. Patented July 25, 1939.

Pat. 2,168,159. FEEDING MECHANISM FOR TAPE-APPLYING MACHINES. Patented Aug. 1, 1939.

Pat. 2,168,475. MACHINE FOR PRESSING SOLES ON SHOE BOTTOMS. Patented Aug. 8, 1939.

Pat. 2,169,317. SECURING HEEL-BREAST COVERING FLAPS TO SHOES. Patented Aug. 15, 1939.

Pat. 2,169,319. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Aug. 15, 1939.

Pat. 2,170,864. MACHINE FOR MANUFACTURING STRAP SANDALS. Patented Aug. 29, 1939.

Pat. 2,170,901. BUFFING MACHINE. Patented Aug. 28, 1939.

Pat. 2,171,731. HEEL COATING MACHINE. Patented Sept. 5, 1939.

Pat. 2,173,822. SPLITTING MACHINE. Patented Sept. 26, 1939.

Pat. 2,173,957. MACHINE FOR OPERATING UPON INSOLES AND METHOD WHICH MAY BE PERFORMED THEREBY. Patented Sept. 26, 1939.

Pat. 2,173,958. INSOLE COVERING MACHINE. Patented Sept. 26, 1939.

Pat. 2,173,964. HEEL-ATTACHING MACHINE. Patented Sept. 26, 1939.

Pat. 2.173,980. LASTING MACHINE. Patented Sept. 26, 1939.

Pat. 2,174,601. FASTENING INSERTING MACHINE. Patented Oct. 3, 1939.

Pat. 2,174,602. DRILLING MACHINE. Patented Oct. 3, 1939.

Pat. 2,176,165. CHANNEL CLOSING MACHINE. Patented Oct. 17, 1939.

Pat. 2,176,180. HEEL BUILDING MACHINE. Patented Oct. 17, 1939.

Pat. 2,177,025. MACHINE FOR PERFORMING ABRADING OPERATIONS ON SHOES OR ARTICLES OF LIKE CHARACTER. Patented Oct. 24, 1939.

Pat. 2,177,765. LASTING MACHINE. Patented Oct. 31, 1939.

Pat. 2,178,133. COUNTER MOLDING MACHINE. Patented Oct. 31, 1939.

Pat. 2,178,568. SOLE PRESSING MACHINE. Patented Nov. 7, 1939.

Pat. 2,178,990. SOLE PRESSING MACHINE. Patented Nov. 7, 1939.

Pat. 2,179,351. ROUGHING MACHINE. Patented Nov. 7, 1939.

Pat. 2,180,381. SHOE MACHINE. Patented Nov. 21, 1939.

Pat. 2,180,414. STITCH-CUTTING MACHINE. Patented Nov. 21, 1939.

Pat. 2,180,438. HEEL-PRESSURE MECHANISM. Patented Nov. 21, 1939.

Pat. 2,181,139. FASTENING SUPPLYING APPARATUS. Patented Nov. 28, 1939.

Pat. 2,181,238. TRIMMING AND ROUGHING MACHINE. Patented Nov. 28, 1939.

Pat. 2,181,243. SEAM REDUCING. Patented Nov. 28, 1939.

Pat. 2,181,903. PRESSER MEMBER FOR CLICKING MACHINE. Patented Dec. 5, 1939.

Pat. 2,182,011. BREAST FLAP CLAMPING MACHINE. Patented Dec. 5, 1939.

Pat. 2,182,810. METHOD AND MACHINE FOR USE IN MAKING SHOES. Patented Dec. 12, 1939.

Pat. 2,182,832. MACHINE FOR REMOVING SHOES FROM LASTS. Patented Dec. 12, 1939.

Pat. 2,183,069. EYELETING MACHINE. Patented Dec. 12, 1939.

Pat. 2,183,666. LASTING MACHINE. Patented Dec. 19, 1939.

Pat. 2,184,458. METHOD AND APPARATUS FOR REPAIRING SHOES. Patented Dec. 26, 1939.

Pat. 2,185,426. FASTENING INSERTING MACHINE. Patented Jan. 2, 1940.

Pat. 2,185,437. NOTCHING MACHINE. Patented Jan. 2, 1940.

Pat. 2,186,161. METHOD OF AND APPARATUS FOR FITTING SOLES. Patented Jan. 9, 1940.

Pat. 2,186,941. HEATING APPARATUS FOR SHOE PARTS. Patented Jan. 16, 1940.

Pat. 2,187,142. GROOVING MACHINE. Patented Jan. 16, 1940.

Pat. 2,187,162. CLICKING MACHINE. Patented Jan. 16, 1940.

Pat. 2,188,972. DEVICE FOR OPERATING UPON SHOES. Patented Feb. 6, 1940.

Pat. 2,188,978. FASTENING INSERTING MACHINE. Patented Feb. 6, 1940.

Pat. 2,190,771. SPLITTING MACHINE. Patented Feb. 20, 1940.

Pat. 2,190,784. HEEL SEAT FITTING MACHINE. Patented Feb. 20, 1940.

Pat. 2,191,646. APPLYING BINDING TO INSOLES. Patented Feb. 27, 1940.

Pat. 2,191,655. CLICKING MACHINE. Patented Feb. 27, 1940.

Pat. 2,193,187. LAST JACK. Patented Mar. 12, 1940.

Pat. 2,193,191. SHOE TREEING AND SHAPING MACHINE. Patented Mar. 12, 1940.

Pat. 2,193,195. NAIL-ATTACHING MACHINE. Patented Mar. 12, 1940.

Pat. 2,193,197. METHOD AND MACHINE FOR TREATING SHOE UPPERS. Patented Mar. 12, 1940.

Pat. 2,194,093. APPARATUS FOR OPERATING UPON HEELS. Patented Mar. 19, 1940.

Pat. 2,197,109. TURN SHOE CEMENTING MACHINE. Patented Apr. 16, 1940.

Pat. 2,197,902. METHOD OF AND MACHINE FOR TREATING SHOES. Patented Apr. 23, 1940.

Pat. 2,197,917. ABRADING TOOL. Patented Apr. 23, 1940.

Pat. 2,198,692. FLAP-APPLYING MACHINE. Patented Apr. 30, 1940.

Pat. 2,198,695. WIRE FEEDING MECHANISM. Patented Apr. 30, 1940.

Pat. 2,198,699. METHOD OF AND MEANS FOR FLEXING SOLES. Patented Apr. 30, 1940.

Pat. 2,198,866. SHOE MACHINE AND METHOD. Patented Apr. 30, 1940.

Pat. 2,199,492. MACHINE FOR SEPARATING SHOES FROM LASTS. Patented May 7, 1940.

Pat. 2,199,506. TRIMMING MACHINE. Patented May 7, 1940.

Pat. 2,199,512. TOE TRIMMING MACHINE. Patented May 7, 1940.

Pat. 2,199,514. FASTENING INSERTING MACHINE. Patented May 7, 1940.

Pat. 2,200,417. SOLE EDGE INKING MACHINE. Patented May 14, 1940.

Pat. 2,201,278. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented May 21, 1940.

Pat. 2,201,283. STOCK FITTING MACHINE. Patented May 21, 1940.

Pat. 2,202,081. STOCK FITTING MACHINE. Patented May 28, 1940.

Pat. 2,203,775. BREAST FLAP MOLDING MACHINE. Patented June 11, 1940.

Pat. 2,204,656. CONDITIONING APPARATUS. Patented June 18, 1940.

Pat. 2,204,670. WELT CEMENTING MACHINE. Patented June 18, 1940.

Pat. 2,204,676. SOLE-FITTING MACHINE. Patented June 18, 1940.

Pat. 2,204,689. MECHANISM FOR SUPPLYING FASTENINGS. Patented June 18, 1940.

Pat. 2,206,129. METHOD FOR USE IN THE MANUFACTURE OF SHOES. Patented July 2, 1940.

Pat. 2,207,020. APPARATUS FOR ATTACHING SOLES TO SHOES. Patented July 9, 1940.

Pat. 2,207,030. SEAM PRESSING MACHINE. Patented July 9, 1940.

Pat. 2,207,742. FASTENING INSERTING MACHINE. Patented July 16, 1940.

Pat. 2,211,782. RELASTING MACHINE. Patented Aug. 20, 1940.

Pat. 2,211,804. RELASTING MACHINE. Patented Aug. 20, 1940.

Pat. 2,211,836. WELT PRESSER FOR SOLE ATTACHING MACHINES. Patented Aug. 20, 1940.

Pat. 2,211,840. MACHINE FOR CUTTING SHEET STOCK. Patented Aug. 20, 1940.

Pat. 2,212,601. HEEL ENGAGING DEVICE. Patented Aug. 27, 1940.

Pat. 2,214,040. SCREW TURNING MACHINE. Patented Sept. 10, 1940.

Pat. 2,214,056. SOLE MACHINE. Patented Sept. 10, 1940.

Pat. 2,214,835. FASTENING INSERTING MACHINE. Patented Sept. 17, 1940.

Pat. 2,214,840. FASTENING-PULLING MACHINE. Patented Sept. 17, 1940.

Pat. 2,216,119. FASTENING INSERTING MACHINE. Patented Oct. 1, 1940.

Pat. 2,216,121. MEANS FOR SUPPLYING LIQUID TO FASTENING INSERTING MACHINES. Patented Oct. 1, 1940.

Pat. 2,216,122. SPLIT WELT CEMENTING MACHINE. Patented Oct. 1, 1940.

Pat. 2,216,126. MEANS FOR SUPPLYING LIQUID TO FASTENING INSERTING MACHINES. Patented Oct. 1, 1940.

Pat. 2,216,146. ROUNDING MACHINE. Patented Oct. 1, 1940.

Pat. 2,216,804. SKIVING MACHINE. Patented Oct. 8, 1940.

Pat. 2,218,537. BUFFING MACHINE. Patented Oct. 22, 1940.

Pat. 2,218,576. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Oct. 22, 1940.

Pat. 2,220,204. HEEL ROUGHING MACHINE. Patented Nov. 5, 1940.

Pat. 2,220,235. MACHINE FOR OPERATING ON SHOE BOTTOMS. Patented Nov. 5, 1940.

Pat. 2,220,915. HEEL-SLOTTING MACHINE. Patented Nov. 12, 1940.

Pat. 2,221,859. SHOE CLAMP. Patented Nov. 19, 1940.

Pat. 2,221,864. LASTING MACHINE. Patented Nov. 19, 1940.

Pat. 2,221,877. PRESS. Patented Nov. 19, 1940.

Pat. 2,221,880. COATING WITH THERMOPLASTICS. Patented Nov. 19, 1940.

Pat. 2,222,212. SHAPING UPPERS OVER LASTS. Patented Nov. 19, 1940.

Pat. 2,222,630. IMPREGNATING APPARATUS. Patented Nov. 26, 1940.

Pat. 2,222,758. ROUGHING MACHINE. Patented Nov. 26, 1940.

Pat. 2,222,774. MACHINE FOR OPERATING ON SHOES. Patented Nov. 26, 1940.

Pat. 2,222,785. SHOE SOLE POUNDING MACHINE. Patented Nov. 26, 1940.

Pat. 2,223,440. WORK PRESENTING MEANS FOR SHOE MACHINES. Patented Dec. 3, 1940.

Pat. 2,223,454. PRESS. Patented Dec. 3, 1940.

Pat. 2,225,029. LASTING MACHINE. Patented Dec. 12, 1940.

Pat. 2,225,073. TOOL FOR PERFORMING ABRADING OR POLISHING OPERATIONS. Patented Dec. 17, 1940.

Pat. 2,225,078. CHANNELING AND ROUGHING MACHINE. Patented Dec. 17, 1940.

Pat. 2,226,758. SHOEMAKING MEANS. Patented Dec. 31, 1940.

Pat. 2,226,774. RELASTING MACHINE. Patented Dec. 31, 1940.

Pat. 2,226,780. WORK CLAMPING MEANS FOR LASTING MACHINES. Patented Dec. 31, 1940.

Pat. 2,226,798. HEEL BUILDING MACHINE. Patented Dec. 31, 1940.

Pat. 2,226,808. METHOD OF AND MACHINE FOR APPLYING TAPE. Patented Dec. 31, 1940.

Pat. 2,227,459. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Jan. 7, 1941.

Pat. 2,227,564. MANUFACTURE OF SHOES. Patented Jan. 7, 1941.

Pat. 2,227,567. COUNTER MOLDING MACHINE. Patented Jan. 7, 1941.

Pat. 2,227,568. MACHINE FOR OPERATING ON SHOES. Patented Jan. 7, 1941.

Pat. 2,227,588. FINISHING TOOL. Patented Jan. 7, 1941.

Pat. 2,228,254. MARKING MACHINE. Patented Jan. 14, 1941.

Pat. 2,228,444. DEVICE FOR USE IN REMOVING LASTS FROM SHOES. Patented Jan. 14, 1941.

Pat. 2,230,375. MACHINE FOR INSERTING METALLIC FASTENINGS. Patented Feb. 4, 1941.

Pat. 2,230,383. CUTTING MACHINE. Patented Feb. 4, 1941.

Pat. 2,232,748. MACHINE FOR APPLYING PRESSURE TO SHOE PARTS. Patented Feb. 25, 1941.

Pat. 2,232,808. SPLITTING MACHINE. Patented Feb. 25, 1941.

Pat. 2,233,519. METHOD AND MACHINE FOR SHAPING THE BOTTOMS OF SHOES. Patented Mar. 4, 1941.

Pat. 2,234,270. FOLDING MACHINE. Patented Mar. 11, 1941.

Pat. 2,234,547. METHOD OF AND APPARATUS FOR SMOOTHING SHOE UPPERS. Patented Mar. 11, 1941.

Pat. 2,235,912. SHEET OF ABRASIVE MATERIAL. Patented Mar. 25, 1941.

Pat. 2,235,916. SKIVING MACHINE. Patented Mar. 25, 1941.

Pat. 2,235,934. ASSEMBLING MACHINE. Patented Mar. 6, 1940.

Pat. 2,236,592. METHOD OF AND APPARATUS FOR TREATING SHOE UPPERS. Patented Apr. 1, 1941.

Pat. 2,236,604. METHOD OF AND MACHINE FOR FOLDING. Patented Apr. 1, 1941.

Pat. 2,236,613. BREAST FLAP PRESS. Patented Apr. 1, 1941.

Pat. 2,237,422. MACHINE FOR OPERATING ON SHOE PARTS. Patented Apr. 8, 1941.

Pat. 2,237,437. MACHINE FOR SEPARATING SHOES FROM LASTS. Patented Apr. 8, 1941.

Pat. 2,237,449. CLICKING MACHINE. Patented Apr. 8, 1941.

Pat. 2,238,978. FASTENING-PULLING MACHINE. Patented Apr. 22, 1941.

Pat. 2,238,988. HEEL MAKING MACHINE. Patented Apr. 22, 1941.

Pat. 2,239,815. LASTING MACHINE. Patented Apr. 4, 1941.

Pat. 2,241,507. MACHINE FOR FORMING SHOE SOLES. Patented May 13, 1941.

Pat. 2,241,523. SHOE MACHINE. Patented May 13, 1941.

Pat. 2,242,410. ROUNDING MACHINE. Patented May 20, 1941.

Pat. 2,242,415. STOCK FITTING MACHINE. Patented May 20, 1941.

Pat. 2,242,416. DEVICE FOR APPLYING ADHESIVE TO STRIP MATERIAL. Patented May 20, 1941.

Pat. 2,242,473. MACHINE FOR OPERATING ON SOLE MEMBERS. Patented May 20, 1941.

Pat. 2,243,115. FOLDING MACHINE. Patented May 27, 1941.

Pat. 2,244,791. NOZZLE FOR COATING APPARATUS. Patented June 10, 1941.

Pat. 2,245,636. TAPING MACHINE. Patented June 17, 1941.

Pat. 2,246,993. SHOE LASTING MACHINE. Patented June 24, 1941.

Pat. 2,247,483. SHOE TREATING APPARATUS. Patented July 1, 1941.

Pat. 2,248,191. ABRADING MACHINE. Patented July 8, 1941.

Pat. 2,248,192. ABRADING MACHINE. Patented July 8, 1941.

Pat. 2,248,194. PASTING APPARATUS. Patented July 8, 1941.

Pat. 2,249,011. SHOE UPPER CONFORMING MACHINE. Patented July 15, 1941.

Pat. 2,249,810. MACHINE FOR APPLYING EDGING TO SHOE SOLES. Patented July 22, 1941.

Pat. 2,250,443. METHOD OF AND MACHINE FOR USE IN COVERING HEELS. Patented July 29, 1941.

Pat. 2,250,498. SKIVING MACHINE. Patented July 29, 1941.

Pat. 2,250,665. HEEL SEAT FITTING MACHINE. Patented July 29, 1941.

Pat. 2,251,396. LASTING TOOL. Patented Aug. 5, 1941.

Pat. 2,251,941. SPLITTING MACHINE. Patented Aug. 12, 1941.

Pat. 2,252,030. APPARATUS FOR ACTIVATING THERMOPLASTIC CEMENT. Patented Aug. 12, 1941.

Pat. 2,252,031. APPARATUS FOR ACTIVATING CEMENT ON SHOE SOLES. Patented Aug. 12, 1941.

Pat. 2,252,780. FASTENING INSERTING MACHINE. Patented Aug. 19, 1941.

Pat. 2,252,786. SHOE CONDITIONING APPARATUS. Patented Aug. 19, 1941.

Pat. 2,253,644. EYELETING MACHINE. Patented Aug. 26, 1941.

Pat. 2,254,215. RACEWAY AND HOPPER ASSEMBLAGE. Patented Sept. 2, 1941.

Pat. 2,254,346. HEEL FITTING MACHINE. Patented Sept. 2, 1941.

Pat. 2,254,350. ADHESIVE APPLYING MACHINE. Patented Sept. 2, 1941.

Pat. 2,255,155. SOLE LAYING MACHINE. Patented Sept. 9, 1941.

Pat. 2,255,854. SHOE BOTTOM CEMENTING MACHINE. Patented Sept. 16, 1941.

Pat. 2,256,546. ROUGHING MACHINE. Patented Sept. 23, 1941.

Pat. 2,257,087. PERFORATING MACHINE. Patented Sept. 30, 1941.

Pat. 2,257,275. APPARATUS FOR USE IN SHOE MAKING. Patented Sept. 30, 1941.

Pat. 2,257,842. MACHINE FOR SHAPING UPPERS OVER LASTS. Patented Oct. 7, 1941.

Pat. 2,258,597. MACHINE FOR SEPARATING SHOES FROM LASTS. Patented Oct. 14, 1941.

Pat. 2,258,600. UPPER SHAPING MACHINE. Patented Oct. 14, 1941.

Pat. 2,258,711. WORK SUPPORT. Patented Oct. 14, 1941.

Pat. 2,259,566. MACHINE FOR TREATING SHOES. Patented Oct. 21, 1941.

Pat. 2,259,568. HEEL ATTACHING MACHINE. Patented Oct. 21, 1941.

Pat. 2,260,466. FASTENING INSERTING MACHINE. Patented Oct. 28, 1941.

Pat. 2,261,198. MACHINE FOR SHAPING THE WELTS OF PREWELTED UPPERS. Patented Nov. 4, 1941.

Pat. 2,261,219. SHOE MACHINE. Patented Nov. 4, 1941.

Pat. 2,261,271. FOLDING MACHINE. Patented Nov. 4, 1941.

Pat. 2,261,288. NAILING MACHINE. Patented Nov. 4, 1941.

Pat. 2,262,789. MACHINE FOR OPERATING UPON SOLES OF SHOES. Patented Nov. 18, 1941.

Pat. 2,262,801. ABRADING MACHINE. Patented Nov. 18, 1941.

Pat. 2,262,816. PRESS. Patented Nov. 18, 1941.

Pat. 2,262,820. UPPER SMOOTHING MACHINE. Patented Nov. 18, 1941.

Pat. 2,263,672. HEEL GROOVING MACHINE. Patented Nov. 25, 1941.

Pat. 2,263,673. MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS. Patented Nov. 25, 1941.

Pat. 2,263,676. FORM FOR USE IN THE MANUFACTURE OF SHOES. Patented Nov. 25, 1941.

Pat. 2,263,682. MACHINE FOR FINISHING SHOE PARTS. Patented Nov. 25, 1941.

Pat. 2,264,416. LAST POSITIONING AND HOLDING MEANS. Patented Dec. 2, 1941.

Pat. 2,264,577. LASTING MACHINE. Patented Dec. 2, 1941.

Pat. 2,265,345. MACHINE FOR OPERATING UPON SHOE BOTTOMS. Patented Dec. 9, 1941.

Pat. 2,266,120. MACHINE FOR OPERATING ON SHOES. Patented Dec. 16, 1941.

Pat. 2,266,774. MACHINE FOR USE IN OPERATING UPON SHOE UPPERS. Patented Dec. 23, 1941.

Pat. 2,267,840. HEEL BREASTING MACHINE. Patented Dec. 30, 1941.

Pat. 2,269,514. SHOE AND HEEL CLAMPING APPARATUS. Patented Jan. 13, 1942.

Pat. 2,270,456. PINKING MACHINE. Patented Jan. 20, 1942.

Pat. 2,270,963. FOLDING MACHINE Patented Jan. 27, 1942.

Pat. 2,271,561. HEEL HOLDER FOR HEEL ATTACHING MACHINES. Patented Feb. 3, 1942.

Pat. 2,272,065. SHOE LASTING AND WELTING MACHINE. Patented Feb. 3, 1942.

Pat. 2,272,207. MACHINE FOR UNITING SHOE PARTS. Patented Feb. 10, 1942.

Pat. 2,273,348. CEMENTING MACHINE. Patented Feb. 17, 1942.

Pat. 2,274,063. SHOE SHAPING MACHINE. Patented Feb. 24, 1942.

Pat. 2,274,578. SHOEMAKING APPARATUS. Patented Feb. 24, 1942.

Pat. 2,276,330. SOLE FLEXING MACHINE. Patented Mar. 17, 1942.

Pat. 2,276,451. MACHINE FOR CEMENT ATTACHING WELTING. Patented Mar. 17, 1942.

Pat. 2,276,452. WELT APPLYING MACHINE. Patented Mar. 17, 1942.

Pat. 2,276,461. INSEAM TRIMMING MACHINE. Patented Mar. 17, 1942.

Pat. 2,276,480. CUTTING DEVICE. Patented Mar. 17, 1942.

Pat. 2,277,182. HEEL HOLDER FOR HEEL ATTACHING MACHINES. Patented Mar. 24, 1942.

Pat. 2,277,774. SHOE SUPPORT. Patented Mar. 31, 1942.

Pat. 2,278,435. APPARATUS FOR REMOVING LACING THREADS FROM SHOE UPPERS. Patented Apr. 7, 1942.

Pat. 2,279,430. METHOD OF AND MACHINE FOR HEEL BREASTING. Patented Apr. 14, 1942.

Pat. 2,279,440. SHOE FILLING MACHINE. Patented Apr. 14, 1942.

Pat. 2,280,189. SAFETY MECHANISM FOR NAILING MACHINES. Patented Apr. 21, 1942.

Pat. 2,282,420. QUARTER LINING INKING MACHINE. Patented May 12, 1942.

Pat. 2,284,010. FOLDING MACHINE. Patented May 26, 1942.

Pat. 2,284,846. TRIMMING MACHINE. Patented June 2, 1942.

Pat. 2,285,489. FASTENING INSERTING MACHINE. Patented June 9, 1942.

Pat. 2,286,261. MACHINE FOR APPLYING PRESSURE TO SHOE PARTS. Patented June 16, 1942.

Pat. 2,287,970. WORK-POSITIONING MEANS FOR SHOE MACHINES. Patented June 30, 1942.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 5, 1947

[VOL. 601. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser No. 497,613. HAROLD LEVER, Chicago, Ill. Filed Mar. 4, 1946.

CASHIERE

FOR DRAWERS FOR HOLDING PAPER MONEY IN FLAT UNFOLDED FORM.

Claims use since Mar. 7, 1931.

Ser. No. 512,419. INTER-ALLIED PATENT CORP., New York, N. Y. Filed Nov. 12, 1946.

Miss Evelyn

FOR EMPTY COSMETIC BAGS MADE OF PLASTIC AND FABRIC MATERIALS; AND HANDKERCHIEF STORAGE CONTAINERS WITH FOLDABLE FLAPS.

Claims use since June 6, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 474,400. DRONSFIELD BROTHERS LIMITED, Lancashire, England. Filed Sept. 20, 1944. Under 10-year proviso.

DRONSFIELD'S

FOR EMERY TAPES, EMERY WHEELS, EMERY BELTS, EMERY FILLETS, AND EMERY STRICKLES.

Claims use since 1882.

Ser. No. 496,653. PARK CHEMICAL COMPANY, Detroit, Mich. Filed Feb. 15, 1946.

Parko

The drawing is lined for red.

FOR CHROMIUM CLEANER, DRY CLEANING FLUIDS, WALL AND FLOOR CLEANING COMPOUND, RUG CLEANER, UPHOLSTERY CLEANER, SILVER POLISH, RUBBER DRESSING, LIQUID CLEANERS FOR METAL PARTS, AND TAR REMOVER.

Claims use since July 1936 on chromium cleaner; since September 1930 on dry cleaning fluids; since April 1944 on wall and floor cleaning compound; since March 1933 on rug cleaner; since November 1934 on upholstery cleaner; since July 1936 on silver polish; since March 1939 on liquid cleaners for metal parts; since February 1946 on tar remover; since March 1939 on rubber dressing.

Ser. No. 506,463. HENRY O. MATTOS, doing business as Michael's Hair Products Co., Brooklyn, N. Y. Filed July 29, 1946.

DEXLAVE

FOR LIQUID SOAP PREPARATION FOR CLEANING AND POLISHING GLASS, WOODWORK, LINOLEUM, TILE AND OTHER SURFACES.

Claims use since Apr. 6, 1946.

Ser. No. 508,809. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Sept. 10, 1946.

SOROLENE

FOR SYNTHETIC DETERGENT WHICH IS ALSO A WETTING AND FOAMING AGENT.

Claims use since Aug. 7, 1946.

Ser No. 509,427. KAMEN SOAP PRODUCTS CO., INC., New York, N. Y. Filed Sept. 20, 1946.

KAMENOL

FOR SOAP POWDER, SOAP FLAKES, SYNTHETIC PASTE AND POWDER DETERGENTS.
Claims use since Sept. 1, 1946.

Ser. No. 509,862. THE MINNESOTA CHEMICAL COMPANY, St. Paul, Minn. Filed Sept. 27, 1946.

MINCOFOS

FOR CLEANSERS USED AS DAIRY CLEANSERS FOR GENERAL PURPOSES.
Claims use since Sept. 9, 1946.

Ser. No. 509,863. THE MINNESOTA CHEMICAL COMPANY, St. Paul, Minn. Filed Sept. 27, 1946.

ZEEP

FOR SOAP.
Claims use since Apr. 1, 1946.

Ser. No. 509,942. MAURICE KING, doing business as King Products Company, Brooklyn, N. Y., assignor to King Research, Inc., Brooklyn, N. Y. Filed Sept. 28, 1946.

Slip-Shape

FOR CHEMICAL DETERGENTS AND SOAPS FOR CLEANING WALLS, FLOORS, METALS, FABRICS, AND THE LIKE.
Claims use since July 1946.

Ser. No. 509,998. J. O. SAFFORD, doing business as The Safford Company, Tryon, N. C. Filed Sept. 30, 1946.



FOR WASHING COMPOUNDS.
Claims use since August 1945.

Ser. No. 510,101. THE MORTON S. PINE CO., Cleveland, Ohio. Filed Oct. 2, 1946.

SPLIT-SECOND

FOR CLEANING PREPARATION HAVING INCIDENTAL WATER-SOFTENING QUALITIES.
Claims use since Nov. 20, 1945.

Ser. No. 510,131. TEX PRODUCTS, INC., Newark, N. J. Filed Oct. 2, 1946.

SUPER-TEX

FOR CLEANING AND POLISHING PREPARATION FOR SILVERWARE, METALS OF ALL TYPES, GLASS, AND MIRRORS, WHICH MAY ALSO BE USED FOR CLEANING AND POLISHING FURNITURE, FLOORS, AND WOODWORK.
Claims use since July 12, 1946.

Ser. No. 510,213. STANDARD ALCOHOL COMPANY, New York, N. Y. Filed Oct. 3, 1946.

petrohol

FOR SOLVENT MATERIAL USED FOR SPOT REMOVING AND GENERAL CLEANING PURPOSES.
Claims use since 1925.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 488,758. HIGGINS INDUSTRIES, INC., New Orleans, La. Filed Sept. 20, 1945.

Higgins

The surname portion of the facsimile signature is that of A. J. Higgins, president of the applicant corporation.
FOR PREPARED PLASTIC PREPARATION USED AS A TEMPORARY COATING FOR MANUFACTURED ARTICLES DURING SHIPPING, HANDLING, AND STORAGE.
Claims use since June 1, 1922, as to the word Higgins; and since Jan. 20, 1943, as shown.

Ser. No. 489,935. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Oct. 15, 1945.

WHEE-LIFE

FOR CHEMICAL COMPOSITIONS FOR USE IN THE GRINDING OF METALS, THE SAID COMPOSITION BEING NON-ABRASIVE COMPOUND, BEING APPLIED IN THE LIQUID STATE TO THE WORK AND TO THE GRINDING WHEEL, IN ORDER TO FACILITATE THE GRINDING OPERATION.
Claims use since September 1945.

Ser. No. 491,242. DERMETICS, INC., New York, N. Y. Filed Nov. 8, 1945.

1199

FOR COLOGNES, TOILET WATERS, AND PERFUMES.
Claims use since Oct. 13, 1945.

Ser. No. 493,358. INTERNATIONAL LUBRICANT CORPORATION, Southport, La. Filed Dec. 15, 1945.

INTERNATIONAL

FOR ALUMINUM STEARATE COMPOUNDS USED IN THE MANUFACTURE OF HIGH GRADE GREASES, PAINTS, AND WATER PROOFING MATERIAL, SUCH AS ROOFING.
Claims use since May 1938.

Ser. No. 493,597. RICHARD HUDNUT, New York, N. Y. Filed Dec. 20, 1945.

BEST DRESS

Registration rights in the word "Best" per se, apart from the mark, are disclaimed.
FOR MAKE-UP BASE.
Claims use since Nov. 16, 1945.

Ser. No. 494,813. JOSEPH A. BUTTNY, doing business as The JAB Company, Chicago, Ill. Filed Jan. 16, 1946.

EYE-Q

Applicant disclaims the word "Eye" apart from the mark.
FOR PREPARATION FOR THE EYE.
Claims use since Dec. 7, 1945.

Ser. No. 496,167. ROSE SADIE SATALOFF, doing business under the name Rou-Sei Cosmetics, New York, N. Y. Filed Feb. 7, 1946.

Rou-Sei

The lining on the drawing represents red color.
FOR COSMETICS—NAMELY, FACE CREAM, CLEANSING CREAM, AND POWDER BASE.
Claims use since Feb. 21, 1945.

Ser. No. 499,253. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Mar. 29, 1946.

TUAMINE SULFATE

No claim is made to the word "Sulfate" apart from the mark as shown.

FOR MEDICINAL PREPARATION CONTAINING 2-AMINOHEPTANE SULFATE USEFUL IN THE TREATMENT OF NASAL CONGESTION ASSOCIATED WITH INFECTIONS AND ALLERGIC RHINITIS AND SINUSITIS.

Claims use since July 19, 1943.

Ser. No. 502,276. LILLIAN COOPER COSMETICS, LTD., New City, N. Y. Filed May 17, 1946.

Little Shaver

FOR TOOTH PASTE, HAND LOTION, TALCUM POWDER, DEODORANT, AFTER SHAVING LOTION, TOILET WATER, AND COLOGNE.

Claims use since May 1, 1946.

Ser. No. 504,140. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed June 18, 1946.

CALTEC

FOR PRECIPITATED CALCIUM CARBONATE TECHNICAL GRADE.

Claims use since May 16, 1946.

Ser. No. 504,380. DOMINICK J. NICOLETTI, doing business as The Refresco Company, New Rochelle, N. Y. Filed June 21, 1946.

Refresco

FOR MOUTH WASH.

Claims use since Nov. 10, 1945.

Ser. No. 507,809. EASYDO, INC., Chicago, Ill. Filed Aug. 22, 1946.

Easydo

FOR HAIR STRAIGHTENER PREPARATION.

Claims use since Aug. 12, 1946.

Ser. No. 508,030. CHEMI-TROLL PRODUCTS, Gibsonburg, Ohio. Filed Aug. 26, 1946.

CHEMI-TROLL

FOR INSECTICIDES, FUNGICIDES, AND HERBICIDES.

Claims use since Jan. 15, 1946.

Ser. No. 508,643. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Sept. 7, 1946.

BIROME

FOR PERFUMES, LIPSTICKS, FACE POWDERS, TOILET WATERS, NAIL POLISHES, AND BATH SALTS.

Claims use since Sept. 3, 1946.

Ser. No. 509,209. GERMAINE RENE DUVAL, doing business as Parfums Volnay, Suresnes, France. Filed Sept. 17, 1946.

CACHUCHA

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Claims use since May 1937.

Ser. No. 509,564. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Sept. 23, 1946.

PALMOLIVE

FOR HAIR TONIC.

Claims use since Aug. 13, 1946.

Ser. No. 509,819. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Sept. 27, 1946.

VOIX DE FRANCE

No claim is made to the words "De France" apart from the mark.

FOR PERFUMES AND LIPSTICKS.

Claims use since Sept. 10, 1946.

Ser. No. 509,821. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Sept. 27, 1946.

VOIX DE PARIS

No claim is made to the words "De Paris" apart from the mark.

FOR PERFUMES AND LIPSTICKS.

Claims use since Sept. 10, 1946.

Ser. No. 510,058. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Oct. 2, 1946.

VOIX DU COEUR

FOR PERFUMES AND LIPSTICKS.

Claims use since Sept. 10, 1946.

Ser. No. 510,059. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Oct. 2, 1946.

VOIX DU CIEL

FOR PERFUMES AND LIPSTICKS.

Claims use since Sept. 10, 1946.

Ser. No. 510,060. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Oct. 2, 1946.

VOIX DE LA FORET

FOR PERFUMES AND LIPSTICKS.

Claims use since Sept. 10, 1946.

Ser. No. 510,148. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Oct. 3, 1946.

ELITE

FOR ALUMINUM BRAZING FLUX.

Claims use since Aug. 20, 1946.

Ser. No. 510,212. STANDARD ALCOHOL COMPANY, New York, N. Y. Filed Oct. 3, 1946.

petrohol

FOR ISOPROPYL ALCOHOL HAVING GENERAL USE IN THE CHEMICAL, PHARMACEUTICAL AND INDUSTRIAL ARTS.

Claims use since Dec. 22, 1919.

Ser. No. 510,279. ROCHE-ORGANON, INC., Nutley, N. J. Filed Oct. 4, 1946.

SYNFORMON

FOR SYNTHETIC, ESTROGENIC PREPARATION FOR USE IN THE TREATMENT OF HORMONAL DEFICIENCY AND ALLIED CONDITIONS.

Claims use since Sept. 19, 1946.

Ser. No. 510,449. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Oct. 8, 1946.

ACNOMEL

FOR OINTMENT FOR THE CONTROL OF ACNE.

Claims use since Sept. 11, 1946.

Ser. No. 510,731. LUCILA SALAZAR, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Filed Oct. 11, 1946.

MIL CIEN

FOR CORRECTIVE DIGESTANT FOR THE RELIEF OF THE ACIDITY OF THE STOMACH.

Claims use since Sept. 25, 1946.

Ser. No. 510,763. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Oct. 12, 1946.

SURPRISE

FOR FACE POWDER, PERFUME, LIPSTICK, AND COLOGNE.

Claims use since Sept. 21, 1946.

Ser. No. 510,862. SHELL CHEMICAL CORPORATION, San Francisco, Calif. Filed Oct. 14, 1946.

VPI

FOR CHEMICAL CORROSION INHIBITOR.

Claims use since Dec. 19, 1945.

Ser. No. 510,911. WHITEHALL PHARMACAL COMPANY, New York, N. Y. Filed Oct. 15, 1946.

SPRINT

FOR PREPARATIONS FOR THE TREATMENT OF ATHLETE'S FOOT.

Claims use since July 12, 1946.

Ser. No. 510,966. MIFFLIN CHEMICAL COMPANY, Philadelphia, Pa. Filed Oct. 16, 1946.

DERMIUM

FOR RUBBING ALCOHOLS AND EMOLLIENTS.

Claims use since Aug. 2, 1946.

Ser. No. 511,025. JOHN W. LUNDGREN, Duluth, Minn. Filed Oct. 17, 1946.

JWL

FOR LIQUID COMPOUND USED FOR THE TREATMENT OF CORNS, CALLOUSES, AND MUSCULAR ACHES AND PAINS.
Claims use since Oct. 10, 1946.

Ser. No. 511,160. C. F. KIRK COMPANY, New York, N. Y. Filed Oct. 19, 1946.

KIRKAINE

FOR INJECTION SOLUTION CONTAINING PROCAINE AND EPINEPHRINE, FOR LOCAL ANESTHESIA.
Claims use since January 1936.

Ser. No. 511,168. C. F. KIRK COMPANY, New York, N. Y. Filed Oct. 19, 1946.

PENI-SOL

FOR MIXTURE OF CHOLESTEROL DERIVATIVES IN OIL USED FOR MAKING WATER IN OIL EMULSIONS.
Claims use since February 1944.

Ser. No. 511,175. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Oct. 19, 1946.

SED-A-NAT

FOR MILD SEDATIVE CONTAINING PHENOBARBITAL.
Claims use since May 23, 1941.

Ser. No. 511,270. ELYSEE COSMETIC MANUFACTURING CO., San Francisco, Calif. Filed Oct. 22, 1946.

HANDORMON

FOR HAND LOTION.
Claims use since June 1942.

Ser. No. 511,511. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 25, 1946.

ESSELIP

FOR PREPARATION FOR THE THERAPY OF SKIN CONDITIONS AND ALLERGIES, AND CONTAINING FATTY ACIDS ESSENTIAL IN THE PREVENTION AND TREATMENT OF METABOLIC CONDITIONS.
Claims use since Oct. 10, 1946.

Ser. No. 513,503. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Nov. 30, 1946. Under 10-year proviso.

ERKENBRECHER

FOR STARCH FOR LAUNDRY PURPOSES AND MANUFACTURING PURPOSES.
Claims use since 1866.

Ser. No. 513,876. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Dec. 7, 1946.

MADDENING

FOR FACE POWDER, COLOGNE, BRILLIANTINE, NAIL LACQUER, LIPSTICK, HAND CREAM, BODY TALC, AND FOOT POWDER.
Claims use since Nov. 16, 1946.

Ser. No. 514,528. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Dec. 19, 1946.

DIVOBAN

FOR INSECTICIDE.
Claims use since Nov. 26, 1946.

Ser. No. 514,595. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Dec. 20, 1946.

ZERLATE

FOR AGRICULTURAL FUNGICIDE.
Claims use since Oct. 23, 1945.

Ser. No. 514,756. ETABLISSEMENTS RIGAUD, INC., New York, N. Y. Filed Dec. 24, 1946.

Style

FOR PERFUMES.
Claims use since Dec. 20, 1946.

Ser. No. 515,027. FLORESS COMPANY, Chicago, Ill. Filed Dec. 30, 1946.

NEON RED

No claim is made to the word "Red" apart from the mark.
FOR LIPSTICKS; NAIL LACQUER.
Claims use since March 1944.

Ser. No. 515,155. BUCKMAN LABORATORIES, INC., Memphis, Tenn. Filed Jan. 2, 1947.

BL

FOR GENERAL PRESERVATIVES, DISINFECTANTS AND CONTROLLERS OF BACTERIA, MOLD AND SLIMES IN GENERAL AND IN PARTICULAR FOR THE PULP, PAPER AND TANNING INDUSTRIES.
Claims use since Nov. 1, 1945.

Ser. No. 515,156. BUCKMAN LABORATORIES, INC., Memphis, Tenn. Filed Jan. 2, 1947.

BSM-11

FOR GENERAL PRESERVATIVES, DISINFECTANTS AND CONTROLLERS OF BACTERIA, MOLD AND SLIMES IN GENERAL AND IN PARTICULAR FOR THE PULP, PAPER AND TANNING INDUSTRIES.
Claims use since Nov. 1, 1945.

Ser. No. 515,163. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Jan. 2, 1947.

SYLVIOLA

FOR AROMATIC CHEMICAL USEFUL AS A PERFUME BASE.
Claims use since Dec. 18, 1946.

Ser. No. 515,185. CHARLES G. KAZANJIAN, doing business as Devon Products Co., Philadelphia, Pa. Filed Jan. 2, 1947.

KEVON

FOR PHARMACEUTICAL PREPARATION IN THE NATURE OF A COMPOUND CONTAINING NUTRITIONAL SUPPLEMENT AND IRON TONIC.
Claims use since Dec. 20, 1946.

Ser. No. 515,189. McDONOUGH, LEWY, INCORPORATED, Cleveland, Ohio, assignor to GLK Products, Inc., Cleveland, Ohio, a corporation of Ohio. Filed Jan. 2, 1947.

U-2

FOR CREAM DEODORANT.
Claims use since Nov. 27, 1946.

Ser. No. 515,251. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Jan. 4, 1947.

CLOUDTONE

FOR FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME.
Claims use since Nov. 27, 1946.

Ser. No. 515,260. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 4, 1947.

HITEC

FOR CHEMICAL COMPOUND, CONSISTING OF AN EUTECTIC MIXTURE OF NITRATES AND NITRITES OF SODIUM AND POTASSIUM, FOR USE AS A HIGH TEMPERATURE HEAT TRANSFER MEDIUM.
Claims use since Nov. 25, 1946.

Ser. No. 515,855. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Jan. 13, 1947.

SUPERTONE

FOR PARASITICIDES.
Claims use since Nov. 27, 1946.

Ser. No. 515,859. BRICIDE CORPORATION, Chicago, Ill. Filed Jan. 17, 1947.

BRINSE

FOR ANTISEPTIC AND DISINFECTANT PREPARATION.
Claims use since Jan. 10, 1947.

Ser. No. 516,025. KELCO COMPANY, San Diego, Calif. Filed Jan. 20, 1947.

KELCOSOL

FOR AN ALGIN PRODUCT FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, BODYING, FILM-FORMING, SUSPENDING, EMULSIFYING, GEL-FORMING AND WATER HOLDING PROPERTIES IN COSMETIC PREPARATIONS SUCH AS CREAMS AND LOTIONS; PHARMACEUTICALS SUCH AS OINTMENTS, JELLIES, SUSPENSIONS, DENTIFRICES, PILLS AND EMULSIONS; TEXTILE SIZES AND PRINT PASTES; PAPER COATINGS; FINISHES FOR LEATHER; CERAMIC BODIES; IMPRESSION MATERIALS; CREAMING LATEX AND IN RUBBER COMPOSITIONS; ADHESIVES AND BINDERS; POLISHES; SEPARATING AND ANTISTICK COMPOUNDS; INSECTICIDES AND IN OTHER INDUSTRIAL USES.
Claims use since about Dec. 19, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 485,690. JOHN LEONARD MARLOW, doing business as Plaque Art Co., Chattanooga, Tenn. Filed July 11, 1945.

Chattanooga Shoe-Shoe

The word "Chattanooga" is disclaimed, apart from the mark as shown.
FOR ORNAMENTAL MOULDED PRODUCTS—VIZ., ASH TRAYS.
Claims use since on or about Mar. 16, 1942.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 500,344. ACADEMY AWARD PRODUCTS, INC., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR GUNS, PISTOLS, AUTOMATIC RIFLES, SHOT GUNS AND PISTOLS, AND PARTS THEREFOR AND EXPLOSIVES.
Claims use since Feb. 6, 1946.

Ser. No. 516,547. INTERNATIONAL EXPLOSIVES CORPORATION, Reno, Nev. Filed Jan. 29, 1947.

BULL-DOZER

FOR EXPLOSIVES.
Claims use since Jan. 10, 1947.

Ser. No. 517,510. OLIN INDUSTRIES, INC., East Alton, Ill. Filed Feb. 14, 1947.

Western

FOR BLASTING CAPS, SHOT SHELLS, RIFLE CARTRIDGES, SHOT, POWDERS, AND PRIMERS.
Claims use since June 1906.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 515,349. CHARLES A. WILSON, doing business as Charles A. Wilson & Company, Baltimore, Md. Filed Jan. 6, 1947.

"Her Selection"

FOR CARBON PAPERS AND TYPEWRITER RIBBONS.
Claims use since Nov. 1, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 500,658. HIGGINS INDUSTRIES, INC., New Orleans, La. Filed Apr. 22, 1946.

THERMO - NAMEL

FOR LIGHT GAUGE NON-CARBON STEEL PORCELAIN MATERIALS IN SHEETS, FOR USE IN THE CONSTRUCTION OF PORTABLE HOUSES AND OTHER BUILDINGS.
Claims use since July 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 486,405. DICKSON WEATHERPROOF NAIL CO., Evanston, Ill. Filed July 28, 1945.

LONGHORN

FOR NAILS AND STAPLES.
Claims use since 1927.

Ser. No. 509,138. THE CHAS. FISCHER SPRING COMPANY, Brooklyn, N. Y. Filed Sept. 16, 1946.

Valedor

FOR METAL HAT RACKS, SHOE RACKS, AND TIE RACKS.
Claims use since Sept. 3, 1946.

Ser. No. 509,786. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed Sept. 26, 1946.

Presto

FOR PRESSURE COOKERS AND PRESSURE CANNERS.
Claims use since Feb. 12, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 514,093. THE AMERICAN METAL COMPANY (LIMITED), New York, N. Y. Filed Dec. 12, 1946.

DRW

FOR METAL PRODUCTS—NAMELY, WIRE BARS, BARS, INGOT BARS, INGOTS AND CAKES OF GOLD, SILVER AND COPPER AND SOLDER.
Claims use since about the year 1904 on wire bars, bars, ingot bars, ingots and cakes of gold, silver and copper; and on solder since Nov. 11, 1946.

Ser. No. 514,128. MAGNOLIA METAL COMPANY, Elizabeth, N. J. Filed Dec. 12, 1946.

Dzl

FOR BABBITT METAL.
Claims use since Nov. 1, 1946.

Ser. No. 516,132. JACKSON IRON & STEEL COMPANY, Jackson, Ohio. Filed Jan. 22, 1947.

JISCO

FOR PIG IRON, HIGH SILICON CAST IRON PIGS AND FRAGMENTS THEREOF.
Claims use since Sept. 26, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 467,940. FREEDOM OIL COMPANY, Freedom, Pa. Filed Mar. 3, 1944.

FOBRITE

FOR SLUSHING OIL FOR COATING STEEL.
Claims use since Nov. 4, 1927.

Ser. No. 483,636. THE STAR OIL COMPANY, Chicago, Ill. Filed May 21, 1945.



FOR OILS AND GREASES FOR LUBRICATING PURPOSES.
Claims use since 1895.

Ser. No. 494,354. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Jan. 5, 1946.

MARATHON



No claim is made to the words "Best in the Long Run" apart from the mark.
FOR MOTOR LUBRICATING OIL.
Claims use since Dec. 4, 1945.

Ser. No. 495,326. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Jan. 24, 1946.



The drawing is lined for the color red. No claim is made to the exclusive use of the words "Best in the Long Run" apart from the mark.
FOR MOTOR OIL IN THE NATURE OF A LUBRICATING OIL.
Claims use since Dec. 4, 1945.

Ser. No. 496,671. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J. Filed Feb. 15, 1946.



The picture of the woman at the machine is fanciful. No claim is made for the word "Trade Mark" and the abbreviation "Manfg. Co."
FOR LUBRICATING-OIL.
Claims use since Mar. 3, 1905.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 501,558. LOUIS M. BALISTOCKY, doing business as Metropolitan Cigar Co., Yoe, Pa. Filed May 7, 1946.

Boston Grande

The word "Boston" is disclaimed apart from the mark as shown.
FOR CIGARS.
Claims use since 1907.

Ser. No. 503,105. LINCOLN & ULMER, INC., New York, N. Y. Filed May 31, 1946.

MODINA

FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since December 1905.

Ser. No. 510,905. STEPHANO BROTHERS, Philadelphia, Pa. Filed Oct. 15, 1946.

ZENITH

FOR CIGARETTES.
Claims use since Oct. 7, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 482,471. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Apr. 23, 1945.

FANSTEEL

The symbolic representation of a full wave, a dry type rectifier and a rectified wave, is disclaimed apart from the mark.
FOR ELECTRICAL RECTIFYING APPARATUS, ELECTRIC CURRENT RECTIFIERS, BATTERY CHARGING UNITS AND PARTS THEREOF.
Claims use since Apr. 2, 1945.

Ser. No. 486,262. KIRKMAN ENGINEERING CORPORATION, New York, N. Y. Filed July 25, 1945.

PEAK LAG

No claim is made to the word "Lag" apart from the mark as shown.
FOR ELECTRICAL FUSES AND FUSIBLE LINKS THEREFOR.
Claims use since Jan. 6, 1941.

Ser. No. 486,978. WELKO INCORPORATED, Chicago, Ill. Filed Aug. 9, 1945.

Heet-Wel WELKO

Disclaimer is made to the words "Heet-Wel" apart from the mark.
FOR ELECTRICAL APPLIANCES—NAMELY, ELECTRIC HEATERS AND ELECTRIC HOT-PLATES.
Claims use since July 27, 1945.

Ser. No. 496,648. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Feb. 15, 1946.

MAGNAVOX

FOR DRY CELL BATTERIES.
Claims use since Dec. 3, 1945.

Ser. No. 498,222. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 14, 1946.

AIR CHIEF

FOR HOME, AUTOMOBILE, AND PORTABLE RADIO RECEIVING SETS AND PARTS THEREOF, RADIO STORAGE AND DRY CELL BATTERIES, RADIO AERIALS, RADIO TUBES, ELECTRIC RECORD PLAYERS, AND AUTOMOBILE HORNS.
Claims use since Oct. 1, 1935.

Ser. No. 499,042. THE BRUSH DEVELOPMENT CO., Cleveland, Ohio. Filed Mar. 27, 1946.

MAIL-A-VOICE

FOR RECORDING AND REPRODUCING DEVICES—NAMELY, APPARATUS FOR ELECTRICALLY RECORDING OR REPRODUCING SIGNALS BY MEANS OF A MAGNETIC RECORDING SHEET MEMBER.
Claims use since Mar. 15, 1946.

Ser. No. 501,652. ELECTRICAL INDUSTRIES, INC., Newark, N. J. Filed May 8, 1946.



FOR ELECTRICALLY HEATED FOOD WARMERS AND COOKERS, ELECTRICALLY HEATED BOTTLE WARMERS, ELECTRICALLY HEATED VAPOR STERILIZERS, ELECTRICALLY HEATED STEAM GENERATORS, ELECTRICALLY HEATED WATER VAPORIZERS, AND ELECTRICALLY HEATED VAPORIZERS.
Claims use since Feb. 27, 1946.

Ser. No. 513,785. UNITED CONDENSER CORP., New York, N. Y. Filed Dec. 5, 1946.

—| UNICON |—

FOR ELECTRIC CONDENSERS.
Claims use since Feb. 15, 1946.

Ser. No. 514,421. INMAN PRODUCTS, Miami, Fla. Filed Dec. 17, 1946.

THERMO-CAP

The word "Thermo" is disclaimed apart from the mark.
FOR ELECTRIC WATER HEATERS OF BOTH INDUCTION AND RESISTANCE TYPES.
Claims use since May 1, 1946.

Ser. No. 516,054. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Jan. 21, 1947.



The drawing is lined for the colors red and blue.
FOR AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, AND AUTOMOBILE BATTERY CHARGERS.
Claims use since Oct. 9, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 498,916. NATIONAL DEBURRING COMPANY, Chicago, Ill. Filed Mar. 25, 1946.

NATIONAL DEBURRING COMPANY

Applicant makes no claim to the words "Deburring Company" apart from the mark.
FOR GRINDERS AND POLISHERS FOR REMOVING ROUGH EDGES AND POLISHING METAL PARTS.
Claims use since Mar. 1, 1946.

Ser. No. 513,455. THE OLIVER CORPORATION, Chicago, Ill. Filed Nov. 29, 1946.

88

FOR TRACTORS AND PARTS THEREOF.
Claims use since Aug. 30, 1945.

Ser. No. 513,456. THE OLIVER CORPORATION, Chicago, Ill. Filed Nov. 29, 1946.

99

FOR TRACTORS AND PARTS THEREOF.
Claims use since Dec. 24, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 493,853. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y. Filed Feb. 1, 1946.

MICRONAR

FOR PHOTOGRAPHIC LENSES.
Claims use since Dec. 14, 1945.

Ser. No. 507,516. COMPTONS COMPANY, LTD., New York, N. Y. Filed Aug. 16, 1946.

EYE-DENTITY

The word "Eye" is disclaimed apart from the mark.
FOR SUN GLASSES, EYE GLASSES, SPECTACLES AND PARTS THEREOF, INCLUDING LENSES.
Claims use since August 1946.

Ser. No. 507,517. COMPTONS COMPANY, LTD., New York, N. Y. Filed Aug. 16, 1946.

EYE-DENTIFYER

The word "Eye" is disclaimed when used apart from the mark.
FOR SUN GLASSES, EYE GLASSES, SPECTACLES AND PARTS THEREOF.
Claims use since Aug. 1, 1946.

Ser. No. 510,246. FOOTE, PIERSON & CO., INC., Newark, N. J. Filed Oct. 4, 1946.

SORTRON-MATIC

FOR ELECTRICALLY OPERATED SORTING MECHANISM (COMPRISING IN GENERAL A GAUGE SO ASSOCIATED WITH A SORTING DEVICE THAT AS A WORKPIECE, SUCH AS A WRIST PIN OR BEARING ROLLER, IS MEASURED BY THE GAUGE, THE SORTING APPARATUS RESPONDS TO THE GAUGE SIGNAL IN SUCH A MANNER THAT THE WORKPIECE THUS MEASURED IS CLASSIFIED, AND THEREAFTER APPROPRIATELY DISPOSED OF).
Claims use since Aug. 29, 1946.

Ser. No. 516,603. CATECHETICAL GUILD EDUCATIONAL SOCIETY, St. Paul, Minn. Filed Jan. 30, 1947.

GUARDIAN FILMS

No claim is made to the word "Films," except as used in conjunction with the other features of the mark.
FOR SERIES OF MOTION PICTURE FILMS.
Claims use since May 22, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 508,210. COMPAGNIE DES MONTRES MARVIN, S. A., La Chaux de Fonds, Switzerland. Filed Aug. 29, 1946.

SWISS SINCE 1850 WATCHES
MARVIN

Under 10-year proviso.
FOR WATCHES, WATCH MOVEMENTS, PARTS OF WATCHES AND WATCH MOVEMENTS AND CHRONOMETERS.
Claims use since 1850.

Ser. No. 517,369. KLEIN, MULLER & HORTON, INC., New York, N. Y. Filed Feb. 12, 1947.

Dialad

FOR WATCHES AND CLOCKS.
Claims use since Oct. 15, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 508,437. WM. E. PHILLIPS CO., Los Angeles, Calif. Filed Sept. 3, 1946.

Regency

FOR SILVER PLATED AND STERLING SILVER HOLLOW WARE.
Claims use since July 25, 1946.

Ser. No. 513,838. WILLIAM RAND, New York, N. Y. Filed Dec. 6, 1946.

MIRANDA

FOR SYNTHETIC PEARLS AND COSTUME JEWELRY.
Claims use since Nov. 22, 1946.

Ser. No. 513,839. WILLIAM RAND, New York, N. Y. Filed Dec. 6, 1946.

CANDIDA

FOR SYNTHETIC PEARLS AND COSTUME JEWELRY.
Claims use since Nov. 22, 1946.

Ser. No. 516,688. BERT GOLDMAN, INC., New York, N. Y. Filed Jan. 31, 1947.

ROSELINE

FOR FINGER RINGS.
Claims use since Aug. 12, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 510,574. DELTA BRUSH MFG. CORP., New York, N. Y. Filed Oct. 10, 1946.

EL GRECO

FOR ARTISTS' BRUSHES.
Claims use since Oct. 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 516,927. THE WARREN CO., INC., Atlanta, Ga. Filed Feb. 4, 1947.

ZEPHYR

FOR AIR FLOW COILS FOR USE (OR INSTALLATION) IN VARIOUS TYPES OF COMMERCIAL REFRIGERATORS.
Claims use since Sept. 1, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 511,459. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Oct. 25, 1946.

KODACHROME

FOR WOODEN FRAMES AND PLASTIC STANDS FOR PHOTOGRAPHS, PHOTOGRAPHIC TRANSPARENCIES OR PHOTOGRAPHIC PRINTS.
Claims use since Sept. 5, 1946.

Ser. No. 511,680. IMPERIAL PRODUCTS, INC., Cincinnati, Ohio. Filed Oct. 29, 1946.

Magiclutch

FOR WINDOW SHADES.
Claims use since April 1941.

Ser. No. 513,763. CLARENCE G. PARKER, doing business as Smiling Spring Mattress Company, Vivian, La. Filed Dec. 5, 1946.

Smiling Beauty

FOR MATTRESSES.
Claims use since Jan. 1, 1937.

CLASS 33

GLASSWARE

Ser. No. 508,650. GEO. BOROFELDT CORPORATION, New York, N. Y. Filed Sept. 7, 1946.

BOBBY Q

FOR GLASSWARE FOR DOMESTIC AND HOUSEHOLD USE—NAMELY, DINNER AND OTHER TABLE GLASSWARE; FANCY GOODS MADE OF GLASS—NAMELY, JUGS, DECANTERS, CONSOLE SETS CONSISTING OF A CENTER PIECE, SUCH AS A BOWL OR A DISH, AND TWO SIDE PIECES, FOR INSTANCE VASES; VANITY SETS, SALAD SETS, VASES AND ORNAMENTAL BOXES FOR GENERAL USE.
Claims use since June 10, 1946.

CLASS 34

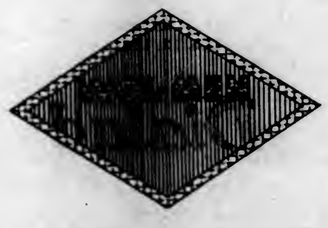
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 483,154. H. H. ROBERTSON COMPANY, Pittsburgh, Pa. Filed May 9, 1945.



FOR VENTILATING APPARATUS—NAMELY, ROOF VENTILATORS.
Claims use since July 17, 1919.

Ser. No. 512,728. WOL-MEN PRODUCTS CO., Lynn, Mass. Filed Nov. 15, 1946.



The drawing is lined and hatched for the colors red and gold.
FOR METAL RUBBISH BURNERS.
Claims use since on or about Nov. 1, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 499,043. THE BRUSH DEVELOPMENT CO., Cleveland, Ohio. Filed Mar. 27, 1946.

MAIL-A-VOICE

FOR SIGNAL RECORDING MEDIUM—NAMELY, A MAGNETIC RECORD SHEET MEMBER FOR RECORDING OR REPRODUCING SIGNALS, SUCH AS MUSIC OR OTHER SOUNDS, ELECTRICALLY.
Claims use since Mar. 15, 1946.

Ser. No. 502,596. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed May 22, 1946.

BLUEBIRD

FOR NON-MAGNETIC PHONOGRAPH RECORDS.
Claims use since Mar. 16, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 488,646. JOSEPH P. HAMILTON, San Francisco, Calif., assignor to New York Motor Coach Advertising Inc., New York, N. Y., a corporation of New York. Filed Sept. 18, 1945.

TOKENTAINER

FOR PAPER FOLDERS FOR TOKENS AND COINS.
Claims use since 1939.

Ser. No. 507,335. OXFORD PAPER COMPANY, New York, N. Y. Filed Aug. 13, 1946.

Maineflex

FOR OFFSET PRINTING PAPER.
Claims use since Mar. 7, 1946.

Ser. No. 510,766. CRYSTAL-CLEAR PHILATELIC MOUNTS CORPORATION, Los Angeles, Calif. Filed Oct. 12, 1946.



Applicant makes no claim to the words "Crystal Clear Philatelic Mounts" apart from the mark.
FOR PHILATELIC MOUNTS.
Claims use since June 15, 1946.

Ser. No. 511,049. WHITING-PLOVER PAPER COMPANY, Stevens Point, Wis. Filed Oct. 17, 1946.

Plover

FOR BOND PAPER, LEDGER PAPER, ONION SKIN PAPER, AND MANUSCRIPT COVER.
Claims use since Jan. 17, 1910.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 499,486. FRANCIS F. DOBO, New York, N. Y. Filed Apr. 2, 1946.

PLASTIBOOK

FOR CHILDREN'S PUBLICATIONS ISSUED FROM TIME TO TIME, AND ILLUSTRATED AND PREPARED EITHER BY HAND OR BY MECHANICAL OR OTHER PROCESSES.
Claims use since Mar. 22, 1946.

Ser. No. 513,184. D. C. LONGENECKER, doing business as Echo Feature Service, Omaha, Nebr. Filed Nov. 25, 1946.

MAIN EVENT

FOR NEWSPAPER COLUMN DEPICTING CARTOONS PRIMARILY.
Claims use since Nov. 13, 1946.

CLASS 39

CLOTHING

Ser. No. 457,257. LOU SCHNEIDER, INC., New York, N. Y. Filed Dec. 7, 1942.

MOHARA

FOR MISSES' COATS AND SUITS.
Claims use since Nov. 12, 1942.

Ser. No. 472,232. CAVU CLOTHES, Cincinnati, Ohio, assignor to Cavu Clothes Inc., Cincinnati, Ohio, a corporation of Ohio. Filed July 14, 1944.

Chandelle

FOR OUTER SHIRTS AND JACKETS FOR MEN.
Claims use since Feb. 1, 1944.

Ser. No. 493,413. JOSEPH M. WEISENBERG, New York, N. Y. Filed Dec. 15, 1945.

STORKORNER

FOR ARTICLES FOR INFANTS—NAMELY, KNITTED GOWNS, KNITTED KIMONAS, FLANNELETTE GOWNS, AND FLANNELETTE KIMONAS.
Claims use since Nov. 28, 1945.

Ser. No. 496,508. HEBERLEIN & Co. A.-G., Wattwil, Switzerland. Filed Feb. 13, 1946.

HECOPHAN

FOR ARTICLES OF CLOTHING FOR WOMEN AND GIRLS—NAMELY, BLOUSES, FROCKS, SHIRTS, SCARVES, NECKTIES, COLLARS, UNDERWEAR, NIGHTGOWNS, DRESSES, COATS, TROUSERS, VESTS, SUITS, SOCKS, HANDKERCHIEFS, STOCKINGS, AND JACKETS.
Claims use since June 22, 1937.

Ser. No. 500,323. REY-JOUVIN FRERES, Grenoble, France. Filed Apr. 16, 1946. Under 10-year proviso.

GANTS JOUVIN

FOR LEATHER GLOVES FOR MEN, WOMEN, AND CHILDREN.
Claims use since Dec. 4, 1886.

Ser. No. 500,372. M. CRAPS & SONS LIMITED, London, England. Filed Apr. 17, 1946.

CRAYSON

FOR LADIES' DRESSES, COATS, COSTUMES, SKIRTS, AND SLACKS.
Claims use since 1943.

Ser. No. 501,814. MERVIN A. BLACH, Birmingham, Ala. Filed May 10, 1946.

GIFT-O-GRAM

Applicant disclaims the right to the exclusive use of the word "Gift."
FOR NECKTIES.
Claims use since Mar. 1, 1946.

Ser. No. 503,856. THE CHR. ZIMMERMANN & SOW CO. INCORPORATED, New York, N. Y. Filed June 13, 1946.

Zimco

FOR BED SOCKS, SKATING SOCKS, SHOULDERETTES, BED JACKETS, SHAWLS, SCARVES, KNEE WARMERS, AND ABDOMINAL BANDS.
Claims use since 1906.

Ser. No. 505,073. ROYAL STAR HOSIERY CO., Chicago, Ill. Filed July 3, 1946.

ROYAL ★ STAR

The drawing is lined for shading purposes only.
FOR HOSIERY.
Claims use since July 7, 1941.

Ser. No. 505,239. A. ROSNER & SONS LIMITED, London, England. Filed July 8, 1946.

RENSOR

FOR COATS, COSTUMES, DRESSES, JUMPER SUITS, CARDIGAN SUITS, JACKETS AND SKIRTS, JACKETS AND TROUSERS, SKIRTS, TROUSERS, SHORTS, TIGHTS, AND JACKETS, AND BREECHETTE SETS FOR WOMEN'S AND CHILDREN'S WEAR.
Claims use since June 11, 1935.

Ser. No. 505,319. SCOTT & WILLIAMS, INCORPORATED, Laconia, N. H. Filed July 9, 1946.



FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since June 4, 1946.

Ser. No. 505,605. JENNYE E. MCGRIFF, West Palm Beach, Fla. Filed July 13, 1946.

Bac-Gamon

FOR MEN'S OUTER SHIRTS.
Claims use since Nov. 10, 1944.

Ser. No. 505,836. HY-ART, INCORPORATED, Los Angeles, Calif. Filed July 18, 1946.

California SUN-UP

No claim is made to the word "California" apart from the mark.
FOR BOYS', INFANTS', AND CHILDREN'S WEAR—NAMELY, OUTER SHIRTS, PANTS, JACKETS, SHIRT AND PANTS SUITS.
Claims use since Mar. 5, 1946.

Ser. No. 506,999. GILISON KNITWEAR CO., INC., New York, N. Y. Filed Aug. 7, 1946.

Kuddleknit

FOR SWEATERS, BATHING SUITS AND SWIMMING TRUNKS, FOR BOYS AND GIRLS.
Claims use since June 25, 1946.

Ser. No. 507,179. SONIA KATZIN, Chicago, Ill. Filed Aug. 2, 1946.

SONIA

FOR MILLINERY—NAMELY, WOMEN'S, MISSES', AND CHILDREN'S TRIMMED AND UNTRIMMED HATS AND BONNETS.
Claims use since May 1918.

Ser. No. 507,572. CLARENCE F. CAVANAUGH, JR., Newark, N. J. Filed Aug. 17, 1946.



No claim is made to the representation of the goods apart from the mark.
FOR SPLASH PROTECTORS FOR LADIES STOCKINGS.
Claims use since Aug. 1, 1946.

Ser. No. 508,549. JOSEPH B. ROSEN, doing business as Rosen Co., New York, N. Y. Filed Sept. 5, 1946.

ZU ZU
BRA-ZEER

Applicant disclaims the word "Bra-Zeer" apart from the mark as shown.
FOR BRASSIÈRES.
Claims use since Jan. 1, 1942.

Ser. No. 511,468. GOODYEAR RUBBER SUNDRIES INC., New Haven, Conn. Filed Oct. 25, 1946.

SNAPIKINS

FOR BABY PANTS.
Claims use since January 1946.

Ser. No. 511,584. WHITE TEXTILES, INC., New York, N. Y. Filed Oct. 26, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

WHITLITE

FOR LADIES', MISSES' AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, SLIPS, JUMPERS, AND OUTER SKIRTS, AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, AND SCARFS.
Claims use since Sept. 3, 1946.

Ser. No. 511,788. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Oct. 31, 1946.



FOR WOMEN'S AND MISSES' HOSIERY.
Claims use since Sept. 15, 1936.

Ser. No. 511,834. WILLIAM ROSENBERG, New York, N. Y. Filed Oct. 31, 1946.

Motherette

FOR WASH DRESSES, DAY-TIME DRESSES, HOOVERETTE APRONS, AND PINAFORES.
Claims use since Aug. 6, 1946.

Ser. No. 513,410. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Nov. 29, 1946.

CONFERENCE

FOR FOOTWEAR—NAMELY, BOOTS AND SHOES MADE WHOLLY OR PARTLY OF RUBBER.
Claims use since 1924.

Ser. No. 513,522. NARVIE CLOTHES, Brooklyn, N. Y. Filed Nov. 30, 1946.

Narvie

FOR MEN'S SUITS AND OVERCOATS.
Claims use since Nov. 1, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 513,947. THE NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md. Filed Dec. 9, 1946.

Wynene

FOR NARROW BELTING FOR USE IN THE MANUFACTURE OF GARMENT ACCESSORIES.
Claims use since Aug. 14, 1946.

Ser. No. 515,596. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Jan. 11, 1947.

CHEN YU

FOR POCKET COMBS, SAFETY PINS, AND HAT BRAIDS.
Claims use since Nov. 7, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 480,708. HERBERT R. LEEDS & CO., INC., New York, N. Y. Filed Mar. 9, 1945.

AIROTROP

FOR WOOLEN, WORSTED, LINEN, AND RAYON FABRICS IN THE PIECE.
Claims use since Jan. 3, 1945.

Ser. No. 491,731. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated. Filed Nov. 16, 1945.

DANSHEEN

FOR PIECE GOODS OF COTTON, RAYON, OR MIXTURES THEREOF.
Claims use since Oct. 25, 1945.

Ser. No. 492,559. THE HATHAWAY MANUFACTURING COMPANY, New Bedford, Mass., and elsewhere. Filed Dec. 3, 1945. Under 10-year proviso.

HATHAWAY

FOR COTTON PIECE GOODS.
Claims use since 1890.

Ser. No. 500,609. ECONOMY TEXTILES, INC., Greenville, S. C. Filed Apr. 20, 1946.

FINE ECO FABRICS

No claim is made to the words "Fine" and "Fabrics" apart from the mark.
FOR TEXTILE FABRICS OF COTTON AND RAYON AND COMBINATIONS THEREOF, SOLD AS PIECE GOODS OR BY THE BOLT.
Claims use since Jan. 1, 1940.

Ser. No. 501,347. THE SPRINGS COTTON MILLS, Lancaster, S. C. Filed May 2, 1946.

SPRINGMAID

FOR SHEETS, PILLOW CASES, TABLE-CLOTHS AND COVERS, TOWELS, TABLE NAPKINS AND BEDSPREADS; AND COTTON, COTTON AND RAYON, AND RAYON TEXTILE FABRICS BY THE PIECE, BY THE YARD, AND IN THE BOLT.
Claims use since mid-1945 on napkins; since July 1946 on bedspreads; and since Jan. 1, 1929, on the remaining goods.

Ser. No. 502,039. UNITED WALLPAPER, INC., Chicago, Ill. Filed May 13, 1946.

VARLAR

FOR WOVEN FABRICS OF COTTON, IMPREGNATED WITH MOISTURE REPELLENT MATERIAL TO BE USED UPON WALLS OR AS TABLE COVERINGS, DRAPERIES AND THE LIKE, SOLD IN ROLLS OR BY THE PIECE.
Claims use since Apr. 29, 1946.

Ser. No. 502,094. ANGLO FABRICS COMPANY, INC., New York, N. Y. Filed May 15, 1946.

KAMELTYNE

FOR PIECE GOODS OF WOOL AND WORSTED IN COMBINATION WITH CAMEL'S HAIR.
Claims use since Feb. 4, 1946.

Ser. No. 502,098. ANGLO FABRICS COMPANY, INC., New York, N. Y. Filed May 15, 1946.

GLOVESKIN

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Feb. 4, 1946.

Ser. No. 502,100. ANGLO FABRICS COMPANY, INC., New York, N. Y. Filed May 15, 1946.

ROXONA

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Feb. 4, 1946.

Ser. No. 505,148. AMEXIMPO INCORPORATED, New York, N. Y. Filed July 6, 1946.



FOR PIECE GOODS MADE OF COTTON, RAYON, SILK, WOOL, AND COMBINATIONS THEREOF.
Claims use since May 15, 1946.

Ser. No. 510,622. MAX SOKOLOFF & CO., New York, N. Y. Filed Oct. 10, 1946.

Texonyl

FOR WOVEN FABRICS OF NYLON YARN.
Claims use since Apr. 10, 1946.

Ser. No. 510,930. BELCRAFT CHENILLES INC., New York, N. Y. Filed Oct. 16, 1946.

BELCRAFT

FOR CHENILLE BEDSPREADS, BATH MATS, BLANKETS, SHEETS, AND PILLOW CASES.
Claims use since Jan. 4, 1946.

Ser. No. 510,991. WONDERKNIT CORPORATION, Lindenhurst, Long Island, N. Y. Filed Oct. 16, 1946.

Wonderknit

FOR TOWELS AND WASH CLOTHS.
Claims use since July 3, 1946.

Ser. No. 511,005. CALLAWAY MILLS, La Grange, Ga. Filed Oct. 17, 1946.

CALLURE

FOR TUFTED COTTON RUGS.
Claims use since Sept. 5, 1946.

Ser. No. 511,024. M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Oct. 17, 1946.

VARADARO

FOR COTTON AND/OR RAYON PIECE GOODS.
Claims use since Oct. 10, 1946.

Ser. No. 512,987. HUGO M. PRINCE, New York, N. Y. Filed Nov. 21, 1946.

ROYAL NOBLE

FOR TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, COTTON, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Nov. 12, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 505,866. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed July 18, 1946.

ESTRON

FOR RAYON AND SYNTHETIC YARN.
Claims use since June 6, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 512,116. SIMON M. GOLDBERG, Tucson, Ariz. Filed Nov. 6, 1946.

CY-GO

FOR CHLORINE INHALATOR MACHINE TO BE USED FOR THERAPEUTIC TREATMENT OF UPPER RESPIRATORY INFECTIONS.
Claims use since Sept. 10, 1946.

Ser. No. 512,578. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 14, 1946.

Emulsene

FOR DENTAL PREPARATION USED WITH ALGINATES, GUM PLASTERS, OR ORDINARY PLASTER IMPRESSION MATERIALS, FOR TAKING INTRA-ORAL IMPRESSIONS OF THE HUMAN MOUTH.
Claims use since Sept. 11, 1946.

Ser. No. 512,660. WILLIAM FREEMAN & COMPANY LIMITED, Barnsley, England. Filed Nov. 15, 1946.

SUBA-SEAL

FOR HOT WATER BOTTLES.
Claims use since 1935.

Ser. No. 513,327. JOHN MINGEA, Long Island, N. Y. Filed Nov. 27, 1946.



The woman's head shown on the drawing is fanciful.
FOR FACE MUSCLE INVIGORATING MASK APPARATUS, HEATED BY CIRCULATING WARM WATER.
Claims use since Nov. 1, 1946.

Ser. No. 513,845. SANBORN COMPANY, Cambridge, Mass. Filed Dec. 6, 1946.

VISO
CARDIETTE

FOR APPARATUS FOR MAKING TRACINGS OF HEART BEATS.
Claims use since July 26, 1946.

Ser. No. 513,846. SANBORN COMPANY, Cambridge, Mass. Filed Dec. 6, 1946.

Stetho-Cardiette

FOR APPARATUS FOR MAKING TRACINGS OF HEART BEATS.
Claims use since Oct. 11, 1939.

Ser. No. 513,848. SANBORN COMPANY, Cambridge, Mass. Filed Dec. 6, 1946.

CARDIETTE

FOR APPARATUS FOR MAKING TRACINGS OF HEART BEATS.
Claims use since Aug. 16, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 484,786. H. W. KINNEY AND SONS, INC., Columbus, Ind. Filed June 20, 1945.

HIDEX

Applicant is the owner of Reg. No. 323,818.
FOR CARBOHYDRATE FOOD FOR SUPPLEMENTING MILK FOR INFANT FEEDING.
Claims use since May 17, 1934.

Ser. No. 489,659. DIAMINTS LIMITED, London, England. Filed Oct. 9, 1945.

DIAMINTS

FOR CLEAR BOILED SUGAR PEPPERMINT SWEETMEATS.
Claims use since June 5, 1933.

Ser. No. 495,574. CHASE CANDY COMPANY, St. Joseph, Mo. Filed Jan. 29, 1946.

HIGH CREST

FOR CANDY.
Claims use since Dec. 27, 1945.

Ser. No. 496,479. SILVER BRUCE PACKING CO., Fresno, Calif. Filed Feb. 12, 1946.



FOR FRESH GRAPES AND MELONS AND FRESH VEGETABLES.
Claims use since Sept. 22, 1945.

Ser. No. 498,400. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 18, 1946.



Applicant is the owner of Reg. No. 175,067. The representation of a waiter shown is fanciful.
FOR CANNED TOMATO JUICE COCKTAIL, CANNED CHICKEN A LA KING, CANNED BONED CHICKEN, CANNED EGG NOODLE AND CHICKEN GIBLET DINNER, CANNED CHICKEN NOODLE SOUP; AND QUICK-FROZEN CHICKEN A LA KING.
Claims use since August 1942 on quick-frozen chicken a la king; and since Jan. 1, 1933, on all the other items.

Ser. No. 501,229. ARMOUR AND COMPANY, Chicago, Ill. Filed May 1, 1946.

Nutri-Fat

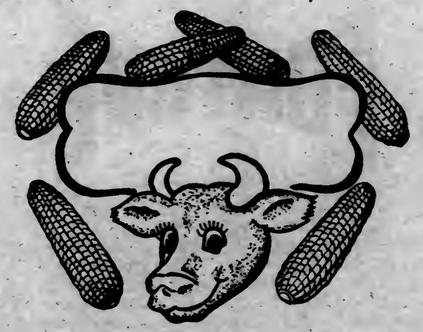
"Fat" is disclaimed apart from the mark.
FOR LIVE STOCK FOODS—NAMELY, A FOOD COMPOSED OF EMULSIFIED ANIMAL FATS FOR FATTENING CALVES AND OTHER LIVE STOCK.
Claims use since January 1934.

Ser. No. 501,391. THE KROGER CO., Cincinnati, Ohio. Filed May 3, 1946. Under section 5b of the act of 1905 as amended in 1920.

Kroger

Applicant is the owner of Reg. Nos. 399,518; 180,956 (renewed); 194,287 (renewed); 392,152, and 411,520.
FOR BREAD, BUTTER, AND FRESH MILK.
Claims use since 1883.

Ser. No. 504,674. IRVINDALE FARMS, INC., Atlanta, Ga. Filed June 27, 1946.



FOR CORN MEAL.
Claims use since Apr. 17, 1946.

Ser. No. 504,989. RUBIN MIRSKY, Philadelphia, Pa. Filed July 2, 1946.

JANICE

FOR CANNED VEGETABLES, CANNED FRUITS, CANNED FRUIT JUICES, CONDIMENTS—NAMELY, OLD ENGLISH STYLE SAUCES, SWEET PICKLE RELISHES, AND SPICES, AND TEAS, COFFEE, AND MAYONNAISE.
Claims use since June 1, 1945.

Ser. No. 505,210. KORFF'S CACAO- EN CHOCOLADEFABRIEKEN N. V., Amsterdam, Netherlands. Filed July 8, 1946.

FOSCO

FOR COCOA AND CHOCOLATE, CHOCOLATE CANDIES, AND CHOCOLATE FLAVORED MILK BEVERAGE.
Claims use since June 1900.

Ser. No. 506,176. MAMES FROSTED FOODS, INC., New York, N. Y. Filed July 24, 1946.

KAYAK

FOR FROZEN PRE-COOKED HOR D'OEUVRES COMPRISED OF FISH, EGGS, VEGETABLES, MEAL, AND SEASONING.
Claims use since June 28, 1946.

Ser. No. 506,899. ROYAL, BARRY-CARTER MILLS, Nashville, Tenn. Filed Aug. 5, 1946.

FORTUNE

FOR STOCK AND POULTRY FEEDS—NAMELY, BROILER MASH, STARTING MASH FOR CHICKS, EGG MASH, GROWING MASH, BROILER RATION, DAIRY FEED, HOG RATION, STOCK FEED CONSISTING OF MIXED GRAINS AND MEAL, AND PREPARED FOOD CONSISTING OF CRACKED CORN AND WHEAT.
Claims use since Dec. 22, 1945.

Ser. No. 507,114. DUTCH MILL CANDY CO., Chicago, Ill. Filed Aug. 9, 1946.

DUTCH MILL

Applicant is the owner of Reg. No. 237,437. No claim for the word "Dutch" apart from the mark is made.
FOR CANDIES AND BONBONS.
Claims use since Jan. 1, 1927.

Ser. No. 507,704. ANTHONY ABBATE, doing business as Suntreat Fruit Exchange, Fresno, Calif. Filed Aug. 21, 1946.

CROWN SET

FOR FRESH GRAPES, FRESH CANTALOUPES, FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since February 1946.

Ser. No. 508,290. JEWETT & SHERMAN CO., also doing business as Holsum Products, Milwaukee, Wis. Filed Aug. 30, 1946.

VANSHERRI

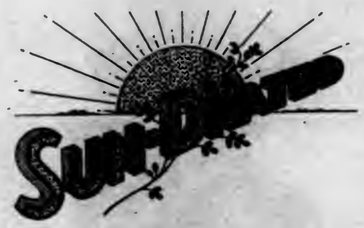
FOR FOOD FLAVORING EXTRACT.
Claims use since 1942.

Ser. No. 511,199. BRYANT AND SAWYER, Los Angeles, Calif. Filed Oct. 21, 1946.

CALI-BEAN

No claim is made to the word "Bean" apart from the mark.
FOR DRIED BEANS—NAMELY, BLACKEYES.
Claims use since Oct. 4, 1946.

Ser. No. 511,377. CARO-GREEN, INC., Kansas City, Mo. Filed Oct. 24, 1946.



The drawing is lined for the colors orange and green, and the representation of alfalfa is disclaimed apart from the mark.
FOR ANIMAL AND POULTRY FOODS—NAMELY, ALFALFA MEAL, FOR CATTLE, HOGS, HORSES, SHEEP, CHICKENS, DUCKS, TURKEYS, GUINEAS, AND THE LIKE.
Claims use since May 21, 1946.

Ser. No. 512,295. ARTHUR UJVARI, doing business as U. J. Vari Chocolate Co., New York, N. Y. Filed Nov. 8, 1946.



FOR CANDIES AND CHOCOLATES.
Claims use since Aug. 22, 1946.

Ser. No. 512,819. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif. Filed Nov. 19, 1946.

GOBLET

Applicant is the owner of Reg. No. 263,603.
FOR FRESH GRAPES.
Claims use since Apr. 1, 1929.

Ser. No. 513,332. PORTER & WENTZ, INC., Brownsville, Tex. Filed Nov. 27, 1946.

FROMTEX

FOR FRESH VEGETABLES.
Claims use since Nov. 20, 1945.

Ser. No. 515,221. WM. T. CROWTHER & SON, INC., Boston, Mass. Filed Jan. 3, 1947.

IMP

FOR FROSTED FISH CAT FOOD.
Claims use since August 1939.

Ser. No. 515,376. FILLMORE LEMON ASSOCIATION, Fillmore, Calif. Filed Jan. 7, 1947.

SELVA

Applicant is the owner of Reg. No. 210,979.
FOR FRESH CITRUS FRUIT.
Claims use since Dec. 1, 1924.

Ser. No. 515,377. FILLMORE LEMON ASSOCIATION, Fillmore, Calif. Filed Jan. 7, 1947.

WAYNO

Applicant is the owner of Reg. No. 210,982.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1924.

Ser. No. 516,118. DORSET FOODS, LTD., Long Island City, N. Y. Filed Jan. 22, 1947.

CHICKTAIL

FOR FOOD BEVERAGE CONSISTING OF CHICKEN BROTH, WINE, FLAVORING FROM FRESH VEGETABLES, SALT AND SPICES.
Claims use since Dec. 26, 1946.

Ser. No. 519,061. DAVIS BROS. FISHERIES CO., INC., Gloucester, Mass. Filed Mar. 15, 1947.



Applicant is the owner of Reg. No. 387,175 registered May 6, 1941.
FOR FRESH FISH, CANNED FISH, FROZEN FISH, DRIED FISH, SMOKED FISH, SALTED FISH, PICKLED FISH, AND SHREDDED FISH.
Claims use since in or about February 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 474,744. BERKELEY WOOD PRODUCTS CO., Berkeley, Calif. Filed Sept. 30, 1944.

HANDI VALET

The word "Handi" is disclaimed apart from the mark. In the drawing the stippling represents the color gold.

FOR CLOTHES HANGERS FOR SPREADING AND HOLDING ARTICLES OF ATTIRE.

Claims use since May 1, 1938.

Ser. No. 485,338. EGGERS FABRIC COMPANY, New York, N. Y. Filed July 2, 1945.

SUPERTEX

FOR COATED FABRICS IN THE NATURE OF ARTIFICIAL LEATHER.

Claims use since Aug. 26, 1937.

Ser. No. 499,568. JOHN PEARL, Detroit, Mich. Filed Apr. 3, 1946.

FOURSOME

FOR GARMENT HANGERS FOR SKIRTS AND TROUSERS.

Claims use since Dec. 15, 1945.

Ser. No. 499,569. JOHN PEARL, Detroit, Mich. Filed Apr. 3, 1946.



FOR GARMENT HANGERS FOR SKIRTS AND TROUSERS.

Claims use since Dec. 15, 1945.

Ser. No. 501,190. ROBERT M. MODISETTE JR., doing business as Santa Anita Engineering Co., Pasadena, Calif. Filed Apr. 30, 1946.

SAECO

FOR BOTTLE CLOSURE OF CORK WITH A PLASTIC POURING DEVICE.

Claims use since Sept. 14, 1945.

Ser. No. 501,960. PAUL E. DUBBE, Los Angeles, Calif. Filed May 13, 1946.



4 IN 1

FOR GARMENT SHOULDER ATTACHMENTS FOR COAT HANGERS WHICH ATTACHMENTS ARE MADE OF RUBBER AND DEPEND FROM THE GARMENT HANGERS FOR SUPPORTING SKIRTS, TROUSERS, AND OTHER GARMENTS.

Claims use since Feb. 4, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

AUGUST 5, 1947

431,706. CHEMICAL COMPOUND IN LIQUID FORM FOR APPLICATION TO TEXTILES, LEATHERS, FIBERS, AND FIBROUS ARTICLES AS A FIRE RESISTANT. J. S. PRODUCTS CORP., New York, N. Y.
Filed January 30, 1943. Serial No. 458,241. PUBLISHED MARCH 21, 1944. Class 6.

431,707. PIECE GOODS OF COTTON, RAYON AND WOOL, AND OF MIXTURES OF COTTON, RAYON AND WOOL. HERBERT SONDHEIM, INC., New York, N. Y.
Filed August 16, 1944. Serial No. 473,347. PUBLISHED MAY 6, 1947. Class 42.

431,708. SINTERED CARBIDE HARD METAL COMPOSITIONS—NAMELY, SINTERED COMPOSITIONS MADE FROM POWDERED TUNGSTEN CARBIDE AND COBALT AND ADAPTED TO BE USED IN CONNECTION WITH BLANKING DIES FOR MAKING STAMPINGS OF METAL AND OTHER MATERIALS. FIRTH STERLING STEEL COMPANY, McKeesport, Pa.
Filed July 17, 1945. Serial No. 485,905. PUBLISHED APRIL 15, 1947. Class 14.

431,709. HOUSEHOLD REFRIGERATORS. MONITOR EQUIPMENT CORPORATION, New York, N. Y.
Filed July 20, 1945. Serial No. 486,053. PUBLISHED OCTOBER 2, 1945. Class 31.

431,710. ALUMINUM ALLOY INGOTS AND BILLETS. THE NATIONAL SMELTING COMPANY, Cleveland, Ohio.
Filed August 6, 1945. Serial No. 486,802. PUBLISHED APRIL 15, 1947. Class 14.

431,711. BRONZE POWDER, ALUMINUM POWDER, COPPER POWDER, MAGNESIUM POWDER, METALS OF ALL TYPES IN POWDERED FORM, ALL OF AFOREMENTIONED METAL POWDERS BEING USED FOR MAKING INKS, ALUMINUM PASTE FOR MAKING INKS, IMITATION TRANSFER GOLD LEAF, AND IMITATION TRANSFER SILVER LEAF. GOLD LEAF AND METALLIC POWDERS CO., New York, N. Y., assignor to Gold Leaf and Metallic Powders Inc., New York, N. Y.
Filed September 10, 1945. Serial No. 488,216. PUBLISHED MAY 6, 1947. Class 11.

431,712. WELDING ELECTRODES OF THE ROD OR WIRE TYPE. THE MCKAY COMPANY, Pittsburgh, Pa.
Filed October 29, 1945. Serial No. 490,683. PUBLISHED APRIL 15, 1947. Class 14.

431,713. CRASH GOODS IN THE PIECE, TOWELS, AND TOWELING. STARTEX MILLS, Tucapau, S. C.
Filed November 14, 1945. Serial No. 491,594. PUBLISHED MAY 13, 1947. Class 42.

431,714. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. M. HAUSMAN & SONS, New York, N. Y.
Filed November 21, 1945. Serial No. 491,975. PUBLISHED MARCH 19, 1946. Class 42.

431,715. CAST ALLOYS OF COBALT, CHROMIUM AND TUNGSTEN, IN THE FORMS OF UNFINISHED CASTINGS FOR METAL CUTTING TOOLS OF ALL TYPES AND FOR WEAR-RESISTANT AND HOT-WORK APPLICATIONS—NAMELY, WIRE GUIDES AND HOT EXTRUSION DIES, AND ALSO FOR CONSUMABLE METALLIC WELDING RODS. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed November 23, 1945. Serial No. 492,035. PUBLISHED APRIL 22, 1947. Class 14.

431,716. OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE, AND OIL OR GAS BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I.
Filed December 28, 1945. Serial No. 493,990. PUBLISHED APRIL 22, 1947. Class 34.

431,717. RECEPTACLE-LIKE DEVICE HAVING A MAGNIFYING ELEMENT MOUNTED IN ITS UPPER WALL THROUGH WHICH JEWELRY AND MERCHANDISE ARTICLES MAY BE VIEWED IN ENLARGED FORM. MILTON R. SCHNAIR, doing business as M. R. Schnair & Co., Chicago, Ill.
Filed December 29, 1945. Serial No. 494,130. PUBLISHED MAY 6, 1947. Class 26.

431,718. KNITTED AND WOVEN FABRICS, MANUFACTURED FROM COTTON, WOOL, SILK, RAYON AND NYLON FIBERS, SOLD BY THE PIECE, YARD OR BOLT. FOREST CONVERTING CORPORATION, New York, N. Y.
Filed January 24, 1946. Serial No. 495,284. PUBLISHED MAY 6, 1947. Class 42.

431,719. WEATHER INDICATORS IN THE FORM OF A MINIATURE HOUSE CONSTRUCTION HAVING OPENINGS IN THE FRONT WALL THEREOF FOR FIGURETTES ON A PLATFORM TO EMERGE THERETHROUGH. NU-DELL MANUFACTURING COMPANY, Chicago, Ill., assignor to Nu-Dell Plastics Corporation, Chicago, Ill., a corporation of Illinois.
Filed January 31, 1946. Serial No. 495,757. PUBLISHED MAY 13, 1947. Class 26.

431,720. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed February 6, 1946. Serial No. 496,074. PUBLISHED MAY 6, 1947. Class 42.

431,721. THERMOSTATS FOR WATER HEATERS AND THE LIKE. DOMESTIC THERMOSTAT COMPANY, Los Angeles, Calif., assignor to Domestic Thermostat Company, a corporation of California.
Filed March 5, 1946. Serial No. 497,658. PUBLISHED MAY 13, 1947. Class 26.

431,722. PIECE GOODS OF COTTON AND PIECE GOODS OF A MIXTURE OF COTTON AND RAYON. CONSOLIDATED TEXTILE CO., INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,605. PUBLISHED MAY 13, 1947. Class 42.

431,723. LEATHER WRIST WATCH STRAPS AND BRACELETS, AND FOR BUCKLES AND METAL FINDINGS MADE OF BASE METAL OR PLASTIC FOR WRIST WATCH STRAPS. BRITE SPECIALTY COMPANY, New York, N. Y.
Filed March 23, 1946. Serial No. 498,823. PUBLISHED MAY 6, 1947. Class 40.

431,724. CAMERAS, CAMERA LENSES, OPTICAL VIEW FINDERS, AND RANGE FINDERS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed March 25, 1946, Serial No. 498,952. PUBLISHED MAY 13, 1947. Class 26.

431,725. CAMERAS, CAMERA LENSES, OPTICAL VIEW FINDERS, AND RANGE FINDERS. UNIVERSAL CAMERA CORPORATION, New York, N. Y.
Filed March 25, 1946. Serial No. 498,958. PUBLISHED MAY 13, 1947. Class 26.

431,726. COTTON RIBBON SOLD BY THE SPOOL AND ADAPTED FOR MISCELLANEOUS USES. CHICAGO PRINTED STRING COMPANY, Chicago, Ill.
Filed April 17, 1946. Serial No. 500,367. PUBLISHED MAY 13, 1947. Class 42.

431,727. LUBRICATING OIL. O. B. STEPHENS, doing business as United Oil & Grease Company, Abilene, Tex.
Filed May 9, 1946. Serial No. 501,785. PUBLISHED FEBRUARY 25, 1947. Class 15.

431,728. APPAREL FABRICS WOVEN OF RAYON AND RAYON AND WOOL BLENDS. TYNAN & EVANS, INC., New York, N. Y.
Filed May 13, 1946. Serial No. 502,038. PUBLISHED MAY 13, 1947. Class 42.

431,729. LADIES' HANDBAGS MADE OF NATURAL AND ARTIFICIAL LEATHER, NATURAL AND SYNTHETIC FABRICS AND PLASTICS. CLOVER BAGS, New York, N. Y.
Filed May 15, 1946. Serial No. 502,121. PUBLISHED MAY 6, 1947. Class 3.

431,730. HAND LUGGAGE AND SUITCASES. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed May 21, 1946. Serial No. 502,539. PUBLISHED MAY 6, 1947. Class 3.

431,731. FERTILIZER PREPARATION USED TO AERATE THE SOIL. UNIVERSAL ZONOLITE INSULATION COMPANY, Chicago, Ill.
Filed May 27, 1946. Serial No. 502,860. PUBLISHED MAY 6, 1947. Class 10.

431,732. SAFETY PINS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed June 5, 1946. Serial No. 503,315. PUBLISHED MAY 13, 1947. Class 40.

431,733. SLABS, BARS, BRICKS OR PIGS OF NON-FERROUS METALS. COMBINED METALS REDUCTION COMPANY, Salt Lake City, Utah.
Filed June 10, 1946. Serial No. 503,552. PUBLISHED MAY 13, 1947. Class 14.

431,734. SLABS, BARS, BRICKS OR PIGS OF NON-FERROUS METALS. COMBINED METALS REDUCTION COMPANY, Salt Lake City, Utah.
Filed June 10, 1946. Serial No. 503,553. PUBLISHED MAY 13, 1947. Class 14.

431,735. INSTRUMENTS FOR MECHANICALLY INDICATING AND/OR RECORDING PRESSURES AND TEMPERATURES OF LIQUIDS, VAPORS, AND GASES. J. E. LONERGAN COMPANY, Philadelphia, Pa.
Filed June 18, 1946. Serial No. 504,113. PUBLISHED MAY 6, 1947. Class 26.

431,736. FANCY GOODS, FURNISHINGS AND NOTIONS—NAMELY, BRAIDS, TAPES, NARROW LACES, BINDING, CORDS, TASSELS, TRIMMINGS, RIBBONS SOLD IN CUT LENGTHS, AND CROCHET WORK AND EMBROIDERY IN THE NATURE OF FINISHED GOODS FOR USE AS ORNAMENTATION ON GARMENTS, LINENS, ETC. JAMES GIBBONS, Dublin, Eire.
Filed June 21, 1946. Serial No. 504,353. PUBLISHED MAY 6, 1947. Class 40.

431,737. PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PAPER, CAMERAS AND PROJECTORS, AND PARTS THEREOF. ARTEX CO., Union, N. J.
Filed June 22, 1946. Serial No. 504,417. PUBLISHED MAY 6, 1947. Class 26.

431,738. RAYON, SILK, LINEN, AND COTTON PIECE GOODS. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed June 22, 1946. Serial No. 504,420. PUBLISHED MAY 13, 1947. Class 42.

431,739. CANDY. GILLIAM CANDY COMPANY, Paducah, Ky.
Filed June 25, 1946. Serial No. 504,547. PUBLISHED MARCH 25, 1947. Class 46.

431,740. FIRE BRICK. STANDARD FUEL ENGINEERING COMPANY, Detroit, Mich.
Filed June 28, 1946. Serial No. 504,800. PUBLISHED MAY 6, 1947. Class 12.

431,741. TAPE MEASURES. THE LUFKIN RULE COMPANY, Saginaw, Mich.
Filed July 15, 1946. Serial No. 505,657. PUBLISHED MAY 6, 1947. Class 26.

431,742. TAPE MEASURES. THE LUFKIN RULE COMPANY, Saginaw, Mich.
Filed July 15, 1946. Serial No. 505,658. PUBLISHED MAY 6, 1947. Class 26.

431,743. CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed July 22, 1946. Serial No. 506,011. PUBLISHED MAY 6, 1947. Class 11.

431,744. CANDY. ROSEMARIE DE PARIS, INC., New York, N. Y.
Filed July 23, 1946. Serial No. 506,127. PUBLISHED DECEMBER 3, 1946. Class 46.

431,745. LOADED PAPER SHOT SHELLS. OLIN INDUSTRIES, INC., New Haven, Conn.
Filed July 25, 1946. Serial No. 506,255. PUBLISHED MAY 13, 1947. Class 9.

431,746. DRAIN PIPE CLEANER WHICH HAS A MANUAL HOLDING MEANS WITH A VACUUM CREATING UNIT AT ONE END THEREOF. HENRY G. PETERS, Los Angeles, Calif.
Filed July 25, 1946. Serial No. 506,260. PUBLISHED APRIL 29, 1947. Class 23.

431,747. RAYON PIECE GOODS. A. STEINAM COMPANY, INC., New York, N. Y.
Filed August 1, 1946. Serial No. 506,701. PUBLISHED MAY 6, 1947. Class 42.

431,748. WITHDRAWN.

431,749. COTTON PIECE GOODS HAVING MILDEW RESISTING FINISH. WELLINGTON SEARS COMPANY, New York, N. Y.
Filed August 6, 1946. Serial No. 506,974. PUBLISHED MAY 13, 1947. Class 42.

431,750. HANDBAGS. MORRIS ROSKIN, doing business as Corvette Leather Goods Company, Gloversville, N. Y.
Filed August 16, 1946. Serial No. 507,540. PUBLISHED MAY 13, 1947. Class 3.

431,751. HANDBAGS. MORRIS ROSKIN, doing business as Corvette Leather Goods Company, Gloversville, N. Y.
Filed August 16, 1946. Serial No. 507,541. PUBLISHED MAY 13, 1947. Class 3.

431,752. VACUUM OR PRESSURE GAUGE. NATIONAL RESEARCH CORPORATION, Boston, Mass.
Filed September 17, 1946. Serial No. 509,234. PUBLISHED MAY 13, 1947. Class 26.

431,753. HEMISPHERICAL LIGHT COLLECTOR, USED IN CONNECTION WITH A METER FOR CONTROL OF PHOTOGRAPHIC EXPOSURE. PHOTO RESEARCH CORPORATION, San Fernando, Calif.
Filed September 17, 1946. Serial No. 509,244. PUBLISHED MAY 13, 1947. Class 26.

431,754. PHOTOGRAPHIC LENSES. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y.
Filed September 20, 1946. Serial No. 509,406. PUBLISHED MAY 6, 1947. Class 26.

431,755. FITTED SEWING KITS. ANTHONY MESSINA, New York, N. Y.
Filed September 25, 1946. Serial No. 509,714. PUBLISHED MAY 6, 1947. Class 40.

431,756. YARNS. IRVING R. WEINBERG, doing business as Utility Yarns and Supply Company, New York, N. Y.
Filed October 5, 1946. Serial No. 510,371. PUBLISHED MAY 6, 1947. Class 43.

431,757. ROPE AND SASH CORDS. EAST ALABAMA FABRICATORS, Lafayette, Ala.
Filed October 9, 1946. Serial No. 510,496. PUBLISHED MAY 6, 1947. Class 7.

431,758. SHOULDER PADS FOR WOMEN'S WEAR. VERONIQUE OF CALIFORNIA, Los Angeles, Calif.
Filed October 14, 1946. Serial No. 510,870. PUBLISHED MAY 13, 1947. Class 40.

431,759. NON-ELECTRIC HAIR CURLING DEVICES. GAYLORD PRODUCTS, INCORPORATED, Chicago, Ill.
Filed November 1, 1946. Serial No. 511,872. PUBLISHED MAY 13, 1947. Class 40.

431,760. SHOULDER PADS DESIGNED FOR USE IN WEARING APPAREL. FRANK WEIN, New York, N. Y.
Filed November 9, 1946. Serial No. 512,357. PUBLISHED MAY 13, 1947. Class 40.

431,761. WRIST-WATCH STRAPS MADE OF PLASTICS, OR LEATHER-LIKE OR RUBBER-LIKE SYNTHETICS, OR FABRICS, OR LEATHER IN COMBINATIONS WITH EACH OTHER AND WITH THE ABOVE-MENTIONED RUBBER-LIKE OR LEATHER-LIKE SYNTHETICS. INDUSTRIAL SYNTHETICS CORPORATION, Irvington, N. J.
Filed November 23, 1946. Serial No. 513,114. PUBLISHED MAY 6, 1947. Class 40.

431,762. COMBS AND HAT FASTENING DEVICES. FRANCES NELKIN, New York, N. Y.
Filed November 30, 1946. Serial No. 513,524. PUBLISHED MAY 6, 1947. Class 40.

431,763. KEY CONTAINERS. SKINNER & KENNEDY STATIONERY CO., St. Louis, Mo.
Filed December 2, 1946. Serial No. 513,589. PUBLISHED MAY 13, 1947. Class 3.

431,764. WALLETS AND BILLFOLDS. NASH, INC., Jersey City, N. J.
Filed December 9, 1946. Serial No. 513,945. PUBLISHED MAY 13, 1947. Class 3.

431,765. LADIES' HANDBAGS, AND COMBINED HANDBAGS AND COSMETIC CASES. KING INNOVATIONS, INC., New York, N. Y.
Filed December 16, 1946. Serial No. 514,355. PUBLISHED MAY 13, 1947. Class 3.

431,766. FLUID FUEL BURNERS, FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE AND FLUID FUEL BURNING HEAT GENERATING UNITS FOR HOME AND INDUSTRIAL USE WITH A BLOWER ATTACHED FOR COOLING PURPOSES. WEATHERALL ENGINEERS, INCORPORATED, Providence, R. I.
Filed December 18, 1946. Serial No. 514,515. PUBLISHED APRIL 22, 1947. Class 34.

431,767. YARNS. SHEPHERD WORSTED MILLS, Newton, Mass.
Filed December 20, 1946. Serial No. 514,630. PUBLISHED MAY 6, 1947. Class 43.

431,768. YARNS. SHEPHERD WORSTED MILLS, Newton, Mass.
Filed December 20, 1946. Serial No. 514,631. PUBLISHED MAY 6, 1947. Class 43.

431,769. CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE. C. J. BATES & SON, Chester, Conn.
Filed December 23, 1946. Serial No. 514,683. PUBLISHED MAY 13, 1947. Class 40.

431,770. THREADS AND YARNS. THE HACKER IMPORT CORPORATION, New York, N. Y.
Filed December 26, 1946. Serial No. 514,816. PUBLISHED MAY 6, 1947. Class 43.

431,771. LADIES' AND MISSES' FITTED (OVERNIGHT) CASES. S. DRESNER & SON, INC., Chicago, Ill.
Filed December 28, 1946. Serial No. 514,944. PUBLISHED MAY 13, 1947. Class 3.

431,772. SPEEDOMETER CABLES AND CASINGS. VULCAN MOTOR PRODUCTS, INC., Newark, N. J.
Filed March 4, 1947. Serial No. 518,502. PUBLISHED MAY 13, 1947. Class 26.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,773. (CLASS 37. PAPER AND STATIONERY.) WESLEY J. KELLEY, Minneapolis, Minn. Filed June 29, 1944. Serial No. 471,800.

RITE HEAR

FOR DETACHABLE PAD HOLDERS FOR USE WITH TELEPHONE INSTRUMENTS, SOLD TO THE TRADE WITH OR WITHOUT A PAPER PAD.
Claims use since May 15, 1944.

431,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GÁNDARA Y HAZ, LIMITADA, Vigo (Province of Pontevedra), Spain. Filed July 17, 1945. Serial No. 485,908.



Applicant is the owner of Reg. No. 180,428.
FOR TINNED SARDINES.
Claims use since 1940.

431,775. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE WAL-FELD CO., New York, N. Y. Filed July 18, 1945. Serial No. 485,974.

musical Jingle Bar

FOR AUTOMATIC MUSICAL BOXES, WHICH AFTER BEING WOUND, PLAY A TUNE OR TUNES UPON THE OPENING OF THE BOX.
Claims use since June 1, 1945.

431,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GÁNDARA Y HAZ, LIMITADA, Vigo (Province of Pontevedra), Spain. Filed July 21, 1945. Serial No. 486,105.



Applicant is the owner of Reg. No. 180,428.
FOR CANNED FISH.
Claims use since 1940.

431,777. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANC D. MAYER, doing business as Reyam Plastic Products Company, Chicago, Ill. Filed Aug. 3, 1945. Serial No. 486,690.

RUBERLYKE Plastic

FOR SHEET MATERIAL HAVING THE APPEARANCE AND SOME OF THE CHARACTERISTICS OF RUBBER AND USEFUL FOR SHOE SOLING, AND COVERING MATERIAL FOR FLOORS AND WEARING SURFACES.
Claims use since September 1943.

431,778. (CLASS 12. CONSTRUCTION MATERIALS.) LATISTEEL CORPORATION OF CALIFORNIA, Pasadena, Calif. Filed Aug. 11, 1945. Serial No. 487,048.

LATISTEEL

FOR STEEL PANELS USED IN THE CONSTRUCTION OF BUILDINGS, BUILDING PARTITIONS, AND THE LIKE.
Claims use since Sept. 22, 1941.

431,779. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MICHAEL E. NEUBURGER, New York, N. Y. Filed Sept. 26, 1945. Serial No. 489,004.

NEO-GLO

FOR LIQUID SHAMPOO OR CLEANING MATERIAL FOR RUGS AND UPHOLSTERY.
Claims use since Aug. 22, 1945.

431,780. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CATARACT CHEMICAL CO., INC., Buffalo, N. Y. Filed Oct. 27, 1945. Serial No. 490,576.

Cataract
BRITE-EDGE

FOR INK FOR BURNISHING THE EDGES OF SOLES AND HEELS OF SHOES.
Claims use since Aug. 22, 1945.

431,781. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOWELL SPECIALTY COMPANY, doing business as Lowell Manufacturing Co., Chicago, Ill. Filed Nov. 26, 1945. Serial No. 492,205.

LOWELL

FOR SPRAYERS AND POWDER DUSTERS OF VARIOUS TYPES AND SIZES, BOTH HAND OPERATED AND POWER OPERATED, AND HAND AND POWER OPERATED PUMPS THEREFOR, FOR FARM AND GARDENING USES.
Claims use since Sept. 1, 1945.

431,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HONEGGERS' & CO., also doing business as Honegger Feed Mills, Forrest, Ill. Filed Dec. 17, 1945. Serial No. 493,443.



FOR POULTRY FEED, CONTAINING VITAMINS, FISH MEAL, MEAT SCRAPS, SOYBEAN OIL MEAL, GROUND CORN, OATS AND WHEAT, AND OTHER INGREDIENTS.
Claims use since January 1940.

431,783. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 31, 1945. Serial No. 494,173.

Motif Moresque

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 19, 1945.

431,784. (CLASS 15. OILS AND GREASES.) ASHLAND OIL & REFINING COMPANY, Ashland, Ky. Filed Jan. 24, 1946. Serial No. 495,267.

Ashland
FLYING OCTANES

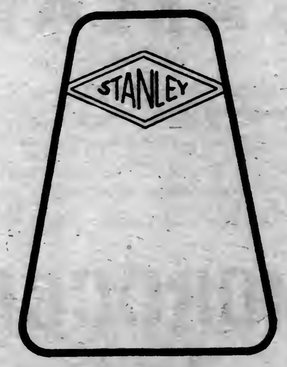
FOR GASOLINE.
Claims use since Jan. 12, 1946.

431,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. A. A. DONAHOE & SONS, State College, Pa. Filed Feb. 5, 1946. Serial No. 496,016.

Dr. A. A. Donahoe's
CAL-SUPPLEMENTUM

FOR MIXTURE OF MINERALS, VITAMINS, CHARCOAL, ETC., USED FOR INCORPORATION INTO STOCK AND POULTRY FEEDS.
Claims use since Dec. 20, 1945.

431,786. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed Mar. 18, 1946. Serial No. 498,463.



FOR LIQUID DENTIFRICE.
Claims use since October 1944.

431,787. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) PROCTORS PRODUCTS, New Haven, Conn. Filed Apr. 2, 1946. Serial No. 499,506.

Certified

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS, AND LIGHTER FLINTS THEREFOR.
Claims use since September 1943.

431,788. (CLASS 2. RECEPTACLES.) STANDARD PRODUCTS CORPORATION, Boston, Mass. Filed Apr. 17, 1946. Serial No. 500,425.

PACK-A-SNACK

FOR INSULATED PICNIC BOXES.
Claims use since Mar. 25, 1946.

431,789. (CLASS 37. PAPER AND STATIONERY.) CLYDE R. TELAAK, Buffalo, N. Y. Filed May 14, 1946. Serial No. 502,088.

Brides Informals

FOR BLANK BOOKS FOR PERSONAL WEDDING PHOTOGRAPHS IN THE NATURE OF ALBUMS.
Claims use since about August 1943.

431,790. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) DUNN TEXTILE COMPANY, INC., New York, N. Y. Filed May 15, 1946. Serial No. 502,128.

GARLAN

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since May 13, 1946.

431,791. (CLASS 15. OILS AND GREASES.) WILLIAM G. CUMMINGS, Tulsa, Okla. Filed May 23, 1946. Serial No. 502,624.

MOROCCO 133 SPECIAL

FOR GREASE BY-PRODUCT OF PETROLEUM FOR LUBRICATING THE THREADS OF WELL TOOL JOINTS.
Claims use since Sept. 5, 1945.

431,792. (CLASS 15. OILS AND GREASES.) WILLIAM G. CUMMINGS, Tulsa, Okla. Filed May 23, 1946. Serial No. 502,625.

MOROCCO 144

FOR GREASE BY-PRODUCT OF PETROLEUM CONTAINING LEAD AND ZINC FOR DRESSING TOOL JOINTS OF WELL PIPE.
Claims use since Oct. 25, 1945.

431,793. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) DOW CORNING CORPORATION, Midland, Mich. Filed June 15, 1946. Serial No. 503,979.

LENSCOAT

FOR SOLUTIONS OF ORGANOSILOXANE FLUIDS EMPLOYED TO DEPOSIT AN ADSORBED FILM OF THE ORGANO POLYSILOXANE ON ARTICLES MADE OF GLASS FOR THE POLISHING OF SAID ARTICLES.
Claims use since July 1945.

431,794. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) R. W. BATES PIECE DYE WORKS, Garnerville, N. Y. Filed June 22, 1946. Serial No. 504,424.

SHADEVER

FOR PIECE GOODS OF RAYON.
Claims use since May 29, 1946.

431,795. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed July 2, 1946. Serial No. 504,974.

MELROSE

FOR STERING SILVER FLATWARE, HOLLOWWARE AND CUTLERY.
Claims use since May 27, 1946.

431,796. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed July 8, 1946. Serial No. 505,223.

SUPERIOR

FOR COMBS.
Claims use since May 1926.

431,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed July 17, 1946. Serial No. 505,776.

Lady Stanley

FOR ALL PURPOSE SKIN CREAM.
Claims use since June 3, 1946.

431,798. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MESNER & MESNER, INC., Hollywood, Calif. Filed July 29, 1946. Serial No. 506,464.

Aladdin

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since Mar. 15, 1946.

431,799. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ANN D. CLEASBY, Eau Claire, Wis. Filed July 31, 1946. Serial No. 506,582.

AJUST-RITE

FOR DETACHABLE SHOULDER PADS FOR STRAPS OF BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since June 4, 1946.

431,800. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIAM PAULIN, doing business as Roll-O-Trouser Guards Manufacturing Co., Western Springs, Ill. Filed July 31, 1946. Serial No. 506,610.

Roll-O-Trouser Guards

FOR AN ATTACHMENT IN THE NATURE OF A WOODEN ROD WITH SLOTS AT EACH END TO BE ATTACHED TO A GARMENT HANGER AS AN ANTI-CREASE PROTECTOR FOR TROUSERS AND SIMILAR GARMENTS.
Claims use since June 1936.

431,801. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE ELKHART BAND INSTRUMENT COMPANY, Elkhart, Ind. Filed Aug. 8, 1946. Serial No. 507,048.



FOR CORNETS, TRUMPETS, TROMBONES, ALTO HORNS, BARITONE HORNS, FRENCH HORNS, MELLOPHONES, BASS HORNS, CLARINETS, OBOES, BASSOONS, AND FLUTES.
Claims use since Sept. 13, 1922.

431,802. (CLASS 2. RECEPTACLES.) C. E. STEVENS BROS., INC., Baltimore, Md. Filed Sept. 27, 1946. Serial No. 509,885.

★ Bags Beautiful ★

FOR ALL KINDS OF PAPER BAGS INCLUDING METAL FOIL, CELLOPHANE, AND LAMINATED AND SINGLE PLY BAGS.
Claims use since May 6, 1942.

431,803. (CLASS 2. RECEPTACLES.) AMERICAN INJECTION MOLDERS, INC., New York, N. Y. Filed Nov. 19, 1946. Serial No. 512,812.

EGG-CESSORY

FOR PLASTIC EGG CUPS.
Claims use since Sept. 10, 1945.

431,804. (CLASS 2. RECEPTACLES.) SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Filed Feb. 15, 1947. Serial No. 517,596.

SAMPSON

FOR KRAFT PAPER BAGS.
Claims use since 1910.

TRADE-MARK REGISTRATIONS RENEWED

29,286. **RESOLVO.** PAINT AND VARNISH REMOVERS. Registered Dec. 8, 1896. HARRISON BROS. & Co., Philadelphia, Pa. Re-renewed Dec. 8, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

29,485. **"DUFF'S" AND REPRESENTATION OF A PAIL THE UPPER PART BEING OF A CONTRASTING COLOR.** MOLASSES. Registered Jan. 19, 1897. P. DUFF & SONS, Pittsburgh, Pa. Re-renewed Jan. 19, 1947, to American Home Foods, Inc., New York, N. Y., a corporation of New York. Class 46.

30,095. **"E. R. DURKEE & CO. GAUNTLET" ETC. AND REPRESENTATION OF GAUNTLET WITH AN OVAL DESIGN.** SPICES, FLAVORING EXTRACTS, SALAD-DRESSING AND SAUCES. Registered May 25, 1897. E. R. DURKEE & Co., New York, N. Y. Re-renewed May 25, 1947, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Class 46.

57,492. **"OFFICIAL TIME SERVICE STANDARD" AND REPRESENTATION OF A WATCH.** WATCHES. Registered Nov. 13, 1906. WEBSTER C. BALL, Cleveland, Ohio. Re-renewed Nov. 13, 1946, to The Webb C. Ball Watch Company, Chicago, Ill., a corporation of Ohio. Class 27.

57,631. **B OF L E STANDARD.** WATCHES. Registered Nov. 27, 1906. WEBSTER C. BALL, Cleveland, Ohio. Re-renewed Nov. 27, 1946, to The Webb C. Ball Watch Company, Chicago, Ill., a corporation of Ohio. Class 27.

57,633. **ORC STANDARD.** WATCHES. Registered Nov. 27, 1906. WEBSTER C. BALL, Cleveland, Ohio. Re-renewed Nov. 27, 1946, to The Webb C. Ball Watch Company, Chicago, Ill., a corporation of Ohio. Class 27.

57,634. **BRT STANDARD.** WATCHES. Registered Nov. 27, 1906. WEBSTER C. BALL, Cleveland, Ohio. Re-renewed Nov. 27, 1946, to The Webb C. Ball Watch Company, Chicago, Ill., a corporation of Ohio. Class 27.

57,692. **OFFICIAL RR STANDARD.** WATCHES. Registered Nov. 27, 1906. WEBSTER C. BALL, Cleveland, Ohio. Re-renewed Nov. 27, 1946, to The Webb C. Ball Watch Company, Chicago, Ill., a corporation of Ohio. Class 27.

58,072. **REPRESENTATION OF A SLEEPING GIRL WITH A DOLL, ETC.** CRUDE CARBOLIC ACID, CREOSOTE, OR OTHER FRACTIONAL DISTILLATE OF THE SAME WITH OIL OF LAVENDER OR OTHER SIMILAR OILS OF THE SAID COMPANY'S OWN COMPOUNDING OR OTHERWISE. Registered Dec. 4, 1906. THE VAPO-CRESOLENE CO., Stanley, N. J., and New York, N. Y. Re-renewed Dec. 4, 1946, to Vapo-Cresolene Company, New York, N. Y., a corporation of New Jersey. Class 6.

58,215. **THE ARCHER.** HAND SEWING-NEEDLES, KNITTING-NEEDLES, AND CROCHET-HOOKS. Registered Dec. 11, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed Dec. 11, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a body politic and corporate organized under the laws of England. Class 40.

58,309. **THE ARCHER.** FISH-HOOKS, ARTIFICIAL FLIES, ARTIFICIAL BAITS (INCLUDING SPOONS AND SPINNERS), FISHING-LINES, FISHING-GUT, GUT LINES, FISHING-RODS, REELS, FLOATS, AND SWIVELS. Registered Dec. 11, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed Dec. 11, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a body politic and corporate organized under the laws of England. Class 22.

58,313. **"PEACOCK SAFETY MATCH" AND REPRESENTATION OF PEACOCK.** SAFETY MATCHES. Registered Dec. 11, 1906. NITEDALS TAENDSTIKFABRIK GRONVOLD, Ostre Aker, and Christiania, Norway. Re-renewed Dec. 11, 1946, to Bryn-Halden & Nitedals Taendstikfabrik A/S, Oslo, Norway, a joint stock company of the Kingdom of Norway. Class 9.

58,489. **DANBOLINE.** PAINTS, MIXED PAINTS, AND ENAMELS. Registered Dec. 18, 1906. HOLZAPFEL'S COMPOSITIONS COMPANY, LIMITED, Newcastle-upon-Tyne, England. Re-renewed Dec. 18, 1946, to International Paint Company, New York, N. Y., a corporation of New York. Class 16.

58,701. **THE "ALLIGATOR" AND REPRESENTATION OF ALLIGATOR.** LEAD-PENCILS AND PENHOLDERS. Registered Dec. 25, 1906. BLEISTIFTFABRIK VORMALS JOHANN FABER ACTIEN-GESELLSCHAFT, Nuremberg, Germany. Vested in the Alien Property Custodian, Washington, D. C., and re-renewed to him Dec. 25, 1946. Class 37.

59,296. **GRANDMA'S.** SARSAPARILLA, CARBOLIC SALVE, ARNICA-SALVE, PERFUMED TALCUM, CORN-CURE, LINIMENT, LIVER AND STOMACH TEA, AND CERTAIN OTHER MEDICINAL ARTICLES. Registered Jan. 1, 1907. SAN ANTONIO DRUG CO. Re-renewed Jan. 1, 1947, to Park Laboratory Company, San Antonio, Tex., a corporation of Texas. Class 6.

59,348. **ALPHA.** CENTRIFUGAL SEPARATORS, IN WHICH A LIQUID IS ONE OF THE COMPONENT PARTS OF THE MATERIAL TREATED. Registered Jan. 8, 1907. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed Jan. 8, 1947, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

59,365. **I V I.** MACHINES FOR SEWING TOGETHER PARTS OF BOOTS AND SHOES, ATTACHMENTS FOR SUCH MACHINES, AND PARTS OF SUCH MACHINES AND ATTACHMENTS. Registered Jan. 8, 1907. UNITED SHOE MACHINERY COMPANY, Paterson, N. J., and Boston, Mass. Re-renewed Jan. 8, 1947, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. Class 23.

59,366. **USMC.** MACHINES FOR SEWING TOGETHER PARTS OF BOOTS AND SHOES, ATTACHMENTS FOR SUCH MACHINES, AND PARTS OF SUCH MACHINES AND ATTACHMENTS. Registered Jan. 8, 1907. UNITED SHOE MACHINERY COMPANY, Paterson, N. J., and Boston, Mass. Re-renewed Jan. 8, 1947, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. Class 23.

59,820. **"DIAMOND BRAND" AND DIAMOND SHAPED DRAWING COLORED RED.** WHITE LEAD. Registered Jan. 22, 1907. CARTER WHITE LEAD COMPANY, Omaha, Nebr. Re-renewed Jan. 22, 1947, to National Lead Company, New York, N. Y., a corporation of New Jersey. Class 16.

59,828. **BROOKDALE LINEN BOND.** WRITING-PAPER. Registered Jan. 22, 1907. HENRY LINDENMEYR & SONS. Re-renewed Jan. 22, 1947, to Henry Lindenmeyr & Sons, New York, N. Y., a corporation of New York. Class 37.

60,328. **"DIAMOND J" AND J WITHIN DIAMOND.** SUSPENSORY BANDAGES. Registered Feb. 5, 1907. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Re-renewed Feb. 5, 1947. Class 44.

60,332. **SPELLERIZED.** ROLLED STEEL. Registered Feb. 5, 1907. NATIONAL TUBE COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Re-renewed Feb. 5, 1947. Class 14.

60,395. **STEARNS'.** RAT AND ROACH EXTERMINATOR. Registered Feb. 5, 1907. STEARNS ELECTRIC PASTE CO., Buffalo, N. Y. Re-renewed Feb. 5, 1947, to Stearns' Electric Paste Co., Chicago, Ill., a firm. Class 6.

60,396. **ELECTRIC.** RAT AND ROACH EXTERMINATOR. Registered Feb. 5, 1907. STEARNS ELECTRIC PASTE CO., Buffalo, N. Y. Re-renewed Feb. 5, 1947, to Stearns' Electric Paste Co., Chicago, Ill., a firm. Class 6.

61,160. **HUMPHREYS'.** REMEDIES FOR THE TREATMENT OF FEVERS, CONGESTIONS, INFLAMMATION, WORMS, COLIC, DIARRHEA, AND CERTAIN OTHER AILMENTS. Registered Mar. 5, 1907. HUMPHREYS HOMEOPATHIC MEDICINE CO. Re-renewed Mar. 5, 1947, to Humphreys Medicine Company Incorporated, New York, N. Y., a corporation of New York. Class 6.

61,289. **ALPHA.** CREAM-SEPARATORS OF ALL KINDS. Registered Mar. 12, 1907. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed Mar. 12, 1947, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

61,356. **"JOHN TAYLOR'S" ETC. AND DESIGN.** PORK ROLL. Registered Mar. 19, 1907. THE TAYLOR PROVISION COMPANY, Trenton, N. J., a corporation of New Jersey. Re-renewed Mar. 19, 1947. Class 46.

61,620. **PERFECTION.** LEAD PENCILS OF ALL KINDS, INCLUDING COPYING-PENCILS. Registered Mar. 26, 1907. EAGLE PENCIL COMPANY. Re-renewed Mar. 26, 1947, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

61,655. **REPRESENTATION OF A RAT AND ROACH AND CIRCLE DESIGN.** RAT AND ROACH EXTERMINATOR. Registered Apr. 2, 1907. STEARNS ELECTRIC PASTE CO., Buffalo, N. Y. Re-renewed Apr. 2, 1947, to Stearns' Electric Paste Co., Chicago, Ill., a firm. Class 6.

61,978. **DITTMAR.** HIGH EXPLOSIVES. Registered Apr. 16, 1907. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Re-renewed Apr. 16, 1947, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 9.

62,130. **"DOLLY MADISON SHOE" AND DRAWING.** LADIES' AND MISSES' LEATHER SHOES AND SLIPPERS. Registered Apr. 23, 1907. DIXON-BARTLETT COMPANY, Baltimore, Md., a corporation of West Virginia. Re-renewed Apr. 23, 1947. Class 39.

62,182. **HEINZ.** PICKLES, CHOW-CHOW, SAUER KRAUT, PICKLED ONIONS, VINEGAR, BAKED BEANS, SOUP, KETCHUP, CHUTNEY, SAUCES, AND OTHER NAMED FOOD ITEMS. Registered Apr. 23, 1907. H. J. HEINZ COMPANY, Allegheny, Pa. Re-renewed Apr. 23, 1947, to H. J. Heinz Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 46.

62,355. **REPRESENTATION OF AN INDIAN.** COTTON PIECE GOODS AND COTTON BLANKETS. Registered Apr. 30, 1907. JACKSON COMPANY. Re-renewed Apr. 30, 1947, to Nashua Manufacturing Company, Nashua, N. H., a corporation of New Hampshire. Class 42.

62,432. **"FRITZSCHE BROTHERS NEW YORK F B" AND REPRESENTATION OF TWO LIONS AND AN EAGLE ETC.** FIRST, ESSENTIAL OILS AND ESSENCES; SECOND, THE FOLLOWING CONSTITUENTS AND DERIVATIVES OF ESSENTIAL OILS: CARVOL, CARVEN, CITRAL, EUCALYPTOL, EUGENOL, GERANIOL, LINALOOL, MENTHOL, SAFROL, THYMEN, THYMOL, AND VANILLIN, AND THIRD, THE FOLLOWING DERIVATIVES AND COMPOUNDS OF AROMATIC PLANTS: CUMARIN, HYACINTH GERANIOL, AND RESEDA GERANIOL. Registered May 7, 1907. FRITZSCHE BROTHERS. Re-renewed May 7, 1947, to Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Class 6.

62,686. **"CUPID BRAND" ETC. AND REPRESENTATION OF A CUPID.** DRIED FRUIT. Registered May 21, 1907. CASTLE BROTHERS INCORPORATED. Re-renewed May 21, 1947, to Harry Hall & Co., Inc., San Francisco, Calif., a corporation of California. Class 46.

62,801. **SPENCER.** HYDRAULIC MOTORS, AIR PUMPS, WATER MOTOR PUMPS, WATER LIFTS AND BLOWERS. Registered May 28, 1907. THE ORGAN POWER CORPORATION, Hartford, Conn. Re-renewed May 28, 1947, to The Spencer Turbine Company, West Hartford, Conn., a corporation of Connecticut. Class 23.

62,816. **ORGOBLO.** HYDRAULIC MOTORS, AIR PUMPS, WATER MOTOR PUMPS, WATER LIFTS AND BLOWERS. Registered May 28, 1907. THE ORGAN POWER CORPORATION, Hartford, Conn. Re-renewed May 28, 1947, to The Spencer Turbine Company, West Hartford, Conn., a corporation of Connecticut. Class 23.

62,822. **VIENNA.** COFFEE. Registered May 28, 1907. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a corporation of Ohio. Re-renewed May 28, 1947. Class 46.

62,823. **HAWKEYE.** COFFEE. Registered May 28, 1907. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a corporation of Ohio. Re-renewed May 28, 1947. Class 46.

62,845. **PREMIUM.** OVERALLS AND PANTALOONS. Registered May 28, 1907. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed May 28, 1947. Class 39.

62,856. **SPIROSAL.** ANTIRHEUMATIC AND ANALGESIC, MAINLY FOR LOCAL USE. Registered May 28, 1907. FARBENFABRIK-VORM. FRIEDR. BAYER & Co., Elberfeld, Germany. Re-renewed May 28, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

62,867. **PREMIUM.** KNITTED AND NETTED UNDERWEAR. Registered May 28, 1907. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed May 28, 1947. Class 39.

62,895. **"BEACON" AND REPRESENTATION OF LIGHTHOUSE ETC.** BED BLANKETS, WRAPPER BLANKETS, COMFORTABLES, EIDERDOWN PIECE GOODS, AND CRIB BLANKETS. Registered May 28, 1907. BEACON MANUFACTURING CO., Providence, R. I. Re-renewed May 28, 1947, to Beacon Manufacturing Company, Swannanoa, N. C., a corporation of Massachusetts. Class 42.

62,907. **"RED SEAL DRY BATTERY" AND RED SEAL.** DRY BATTERIES. Registered May 28, 1907. MANHATTAN ELECTRICAL SUPPLY COMPANY, Jersey City, N. J., and New York, N. Y. Re-renewed May 28, 1947, to National Carbon Company, Inc., New York, N. Y., a corporation of New York. Class 21.

62,937. **"PARAMOUNT PURE PATENT" AND TRIANGLE DESIGNS.** WHEAT-FLOUR. Registered May 28, 1907. THE CONCORDIA MILLING COMPANY. Re-renewed May 28, 1947, to Concordia Milling Company, Concordia, Kans., a firm. Class 46.

62,973. **BLACK SILK.** STOVE-POLISH. Registered June 4, 1907. BLACK SILK STOVE POLISH WORKS, Sterling, Ill. Re-renewed June 4, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

63,056. **"ARCH-ROCK BRAND" AND DRAWING.** CANNED FISH. Registered June 4, 1907. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Re-renewed June 4, 1947, to Oxnard Canners, Inc., Monterey, Calif., a corporation of California. Class 46.

63,093. **"PRIMROSE BRAND" ETC. AND A REPRESENTATION OF PRIMROSES.** DRIED FRUIT. Registered June 4, 1907. CASTLE BROTHERS INCORPORATED. Re-renewed June 4, 1947, to Harry Hall & Co., Inc., San Francisco, Calif., a corporation of California. Class 46.

63,287. **OSGOOD'S INDIA CHOLAGOGUE.** "FEVER AND AGUE" REMEDIES. Registered June 11, 1907. C. H. & F. L. OSGOOD, Norwich, Conn. Re-renewed June 11, 1947, to Osgood's India Cholagogue, Incorporated, New York, N. Y., a corporation of Connecticut. Class 6.

212,764. **"MENORAH" ETC. AND DRAWING.** CHEESE. Registered May 11, 1926. ROETHLISBERGER & SOHN, Berne and Langnau, Switzerland. Renewed May 11, 1946, to Roethlisberger & Sohn, Schechtelkäsefabrik Aktiengesellschaft, Langnau, Switzerland, a joint stock company of Switzerland. Class 46.

214,379. **"ARCTIC NU-AIR" AND DRAWING.** AIR-CONDITIONING APPARATUS AND COOLING AND VENTILATING SYSTEMS. Registered June 22, 1926. ARCTIC NU-AIR COOLING & VENTILATING COMPANY, Chicago, Ill. Renewed June 22, 1946, to United States Air Conditioning Corporation, Minneapolis, Minn., a corporation of Delaware. Class 34.

216,746. **"BROAD CASTER" AND REPRESENTATION OF LOUD SPEAKER.** COFFEE. Registered Aug. 17, 1926. TRIGG, DOBBS & COMPANY, doing business as Economy Wholesale House. Renewed Aug. 17, 1946, to Fleetwood Coffee Company, Chattanooga, Tenn., a corporation of Tennessee. Class 46.

220,286. **"EDGLETS TEA" ON A REPRESENTATION OF A LEAF.** TEA. Registered Nov. 9, 1926. TRIANGLE TEA COMPANY, Seattle, Wash. Renewed Nov. 9, 1946, to Joseph Tetley & Co., Inc., New York, N. Y., a corporation of New York. Class 46.

221,526. **"D" AND REPRESENTATION OF TWO CROSSED ARROWS.** NEWSPRINT AND WRAPPING PAPER. Registered Dec. 7, 1926. STORA KOPPARBERGS BERGSLAGS AKTIEBOLAG, Falun, Sweden, a corporation organized under the laws of Sweden. Renewed Dec. 7, 1946. Class 37.

221,559. **WIPLA.** ARTIFICIAL-LIMB COMPONENTS; ARTIFICIAL CHEWING APPARATUS, INCLUDING MEANS FOR THE ATTACHMENT THEREOF—NAMELY, DENTAL PLATES, TEETH, TOOTH CROWNS, AND OTHER NAMED SIMILAR ITEMS. Registered Dec. 7, 1926. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen-on-the-Ruhr, Germany. Vested in The Alien Property Custodian, Washington, D. C., and renewed to him Dec. 7, 1946. Class 44.

221,755. **TRIMRITE.** HAIR CLIPPERS MADE OF BASE METAL. Registered Dec. 7, 1926. H. BOKER & CO. INC., New York, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 23.

221,758. **BARBERETTE.** HAIR CLIPPERS MADE OF BASE METAL. Registered Dec. 7, 1926. H. BOKER & CO. INC., New York, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 23.

221,797. **ADORIA.** HATS AND CAPS, HAT FRAMES, AND HAT AND CAP LININGS. Registered Dec. 14, 1926. KAUFMANN DEPARTMENT STORES, INC. Renewed Dec. 14, 1946, to The May Department Stores Company, Pittsburgh, Pa., a corporation of New York. Class 39.

221,874. **PENICIN TABLETS.** TABLET RECOMMENDED FOR RHEUMATISM, SCIATICA, AND LA GRIPPE. Registered Dec. 14, 1926. WALTER J. SCHNEIDER, Ridgefield Park, N. J. Renewed Dec. 14, 1946, to Borine Inc., New York, N. Y., a corporation of New York. Class 6.

222,096. **"GESUNDHEIT" ETC. AND REPRESENTATION OF MAN HOLDING CAN ETC.** MALT SIRUPS. Registered Dec. 21, 1926. VICTOR NEUSTADTL. Renewed Dec. 21, 1946, to Henrietta Neustadtl, New York, N. Y. Class 48.

222,136. **PICTURE OF A BEAR AND RECTANGULAR BACKGROUND AND DESIGN.** LAUNDRY POWDER, CLEANSING POWDER FOR GENERAL CLEANING PURPOSES, SUCH AS ON BATHTUBS, SINKS, BASINS, WINDOWS, ENAMEL AND VITREOUS ARTICLES, AND WOODWORK. Registered Dec. 21, 1926. Anders Lindahl. Renewed Dec. 21, 1946, to Helios Kemisk Tekniska Fabriker, Aktiebolag, Stockholm, Sweden, a corporation of Sweden. Class 4.

222,137. **VITA TVÄTTBJÖRN.** LAUNDRY POWDER AND CLEANING POWDERS FOR GENERAL CLEANSING PURPOSES, SUCH AS FOR USE ON BATHTUBS, SINKS, BASINS, WINDOWS, ENAMEL AND VITREOUS ARTICLES, AND WOODWORK. Registered Dec. 21, 1926. ANDERS LINDAHL. Renewed Dec. 21, 1946, to Helios Kemisk Tekniska Fabriker Aktiebolag, Stockholm, Sweden, a corporation of Sweden. Class 4.

222,138. **RÖDA BJÖRN.** METAL POLISH AND CLEANSING POWDER FOR GENERAL CLEANING PURPOSES, FOR USE ON BATHTUBS, SINKS, BASINS, WINDOWS, ENAMEL AND VITREOUS ARTICLES, AND WOODWORK. Registered Dec. 21, 1926. ANDERS LINDAHL, doing business as Tekniska Fabriken Helios, A. Lindahl. Renewed Dec. 21, 1946, to Helios Kemisk Tekniska Fabriker Aktiebolag, Stockholm, Sweden, a corporation of Sweden. Class 4.

222,141. **METAL EXCELSIOR.** FIBROUS METALLIC ABRASIVE MATERIAL. Registered Dec. 21, 1926. METAL TEXTILE CORPORATION. Renewed Dec. 21, 1946, to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware. Class 4.

222,156. **WIPLA.** IRON AND STEEL AND ALLOYS, SHEETS, PLATES, BARS, STRAPS, WIRES, CASTINGS, AND PRESSED, DRAWN, FORGED, ROLLED PARTS MANUFACTURED THEREFROM. Registered Dec. 21, 1926. FRIED. KRUPP AKTIENGESELLSCHAFT, Essen-on-the-Ruhr, Germany. Vested in the Alien Property Custodian, Washington, D. C. and renewed to him Dec. 21, 1946. Class 14.

222,345. **"CRACKER-JACK" AND REPRESENTATION OF PART OF AN AUTOMOBILE TIRE.** AUTOMOBILE TIRES. Registered Dec. 28, 1926. KAUFMANN DEPARTMENT STORES, INC. Renewed Dec. 28, 1946, to The May Department Stores Company, Pittsburgh, Pa., a corporation of New York. Class 35.

222,481. **DALCROSE.** PERFUMES, TOILET WATER, COMPLEXION POWDER, SOLIDIFIED FACE POWDER, ROUGE, TALCUM POWDER, SKIN CREAM, BRILLIANTINE, AND OTHER NAMED SIMILAR TOILET GOODS ITEMS. Registered Jan. 4, 1927. THE DUBARRY PERFUMERY COMPANY LIMITED, Hove, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Jan. 4, 1947. Class 6.

222,662. **"THE FOX CO." AND REPRESENTATION OF OF FOX.** PHOTOGRAPHIC PRINTS. Registered Jan. 4, 1927. CARL D. NEWTON, doing business as The Fox Company. Renewed Jan. 4, 1947, to The Fox Company, San Antonio, Tex., a corporation of Texas. Class 38.

222,680. **MOPAD.** DUSTING AND POLISHING MOPS. Registered Jan. 4, 1927. WILLIAM D. WHITAKER, Philadelphia, Pa. Renewed Jan. 4, 1947. Class 29.

222,787. **"NOAH'S NO-MO-COLD" AND RECTANGULAR BORDER.** MEDICINAL PREPARATION FOR THE TREATMENT OF CONGESTION, CROUP, COLDS, AND INFLAMMATION BY EXTERNAL USE AND INHALATION. Registered Jan. 11, 1927. AMERICAN LABORATORIES, INCORPORATED, Richmond, Va., a corporation of Virginia. Renewed Jan. 11, 1947. Class 6.

222,843. **"JACK FROST" AND DESIGN.** SELF-RISING CORN MEAL AND FLOUR, YELLOW CORN MEAL, WHITE CORN MEAL, WHITE CORN GRITS, PEARL HOMINY, OATMEAL, AND SELF-RISING WHOLE WHEAT FLOUR. Registered Jan. 11, 1927. F. B. CHAMBERLAIN COMPANY, East St. Louis, Ill., and St. Louis, Mo., a corporation of Illinois. Renewed Jan. 11, 1947. Class 46.

222,863. **HIGH FLEX.** BELTING, DREDGING SLEEVES, AND HOSE, ALL COMPOSED OF RUBBER AND FIBROUS MATERIAL. Registered Jan. 11, 1927. THE B. F. GOODRICH COMPANY, New York, N. Y. Renewed Jan. 11, 1947, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 35.

223,093. **"BETTY BINGHAM" ETC. AND A SCROLL DESIGN.** TOILET ARTICLES, PARTICULARLY, PERFUMES, BATH SALTS, TOILET WATER, FACE POWDER, AND COLD CREAM. Registered Jan. 18, 1927. HILLS, MCLEAN & HASKINS, INCORPORATED, Binghamton, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 6.

223,737. **"LEMBROSE" AND HEAVY UNDERLINE.** LINIMENT FOR THE TREATMENT OF ACUTE INFLAMMATORY RHEUMATISM AND INFLAMED AND PAINFUL MUSCLES AND LIGAMENTS. Registered Feb. 8, 1927. JOHN WYETH & BROTHER, INCORPORATED. Renewed Feb. 8, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

223,862. **BE-VA-CO.** READY-MIXED PAINTS, LIQUID PAINTS, PASTE PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS. Registered Feb. 15, 1927. BRADLEY & VROOMAN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 15, 1947. Class 16.

223,886. **PONTOON.** LEATHER BOOTS AND SHOES. Registered Feb. 15, 1927. THE STETSON SHOE COMPANY, INC., Weymouth, Mass., a corporation of Massachusetts. Renewed Feb. 15, 1947. Class 39.

224,003. **SUXIPHEN.** REMEDY FOR THE RELIEF OF BRONCHITIS AND OTHER SPASMODIC CONDITIONS OF THE RESPIRATORY TRACT. Registered Feb. 15, 1927. SMITH, KLINE & FRENCH COMPANY. Renewed Feb. 15, 1947, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. Class 6.

224,122. **"ANITA" AND REPRESENTATION OF EAGLE AND CROSSED FLAGS.** WHEAT FLOUR. Registered Feb. 15, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Renewed Feb. 15, 1947. Class 46.

224,665. **"NEW-WAY NUEVO METODO" AND CIRCLE AND STAR DESIGN.** WHEAT FLOUR, CORN PRODUCTS—NAMELY, CORN MEAL AND CORN CHOPS—AND RYE FLOUR. Registered Mar. 1, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Renewed Mar. 1, 1947. Class 46.

224,738. **POLKA DOT.** LEAD PENCILS. Registered Mar. 1, 1927. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Mar. 1, 1947. Class 37.

224,834. **NORTH CHIEF.** CANNED VEGETABLES—NAMELY, SWEET CORN, PEAS, PUMPKIN, CARROTS, AND BEETS; AND SAUERKRAUT. Registered Mar. 8, 1927. GOPHER STATE CANNERIES, INC., Watertown, Minn., Renewed Mar. 8, 1947, to Minnesota Valley Canning Company, Le Sueur, Minn., a corporation of Minnesota. Class 46.

225,033. **GAME COCK.** TABLE SIRUP. Registered Mar. 8, 1927. RODDENBERY BROTHERS, Cairo, Ga., a firm. Renewed Mar. 8, 1947. Class 46.

225,280. **REPRESENTATION OF A POLKA DOTTED SURFACE UPON A LEAD PENCIL.** LEAD PENCILS. Registered Mar. 15, 1927. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Mar. 15, 1947. Class 37.

225,293. **"KERNERATOR" ETC.** INCINERATORS. Registered Mar. 15, 1927. KERNER INCINERATOR CO., Milwaukee, Wis. Renewed Mar. 15, 1947, to Morse Boulger Destructor Company, New York, N. Y., a corporation of Delaware. Class 34.

225,451. **REPRESENTATION OF A DOG.** POLISH FOR STOVES AND STOVEPIPES, RANGES, FURNACES, BOILERS, AND ENGINES. Registered Mar. 22, 1927. J. L. PRESCOTT COMPANY, New York, N. Y. Renewed Mar. 22, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

225,607. **ACADEMIC.** LEAD PENCILS. Registered Mar. 22, 1927. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Mar. 22, 1947. Class 37.

226,003. **TIGER.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Mar. 29, 1927. COLTON FRUIT EXCHANGE. Renewed Mar. 29, 1947, to Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif. Class 46.

226,009. **JOY OF HOME.** TEA. Registered Mar. 29, 1927. JOHN HUGHES, Liverpool, England. Renewed Mar. 29, 1947. to John Hughes & Co. Limited, Dublin, Ireland, a private limited company. Class 46.

226,028. **SOILAX.** WASHING AND CLEANING COMPOUND USED ALONE AND IN ADDITION TO SOAP FOR THE CLEANING OF CLOTHES. Registered Mar. 29, 1927. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn., a corporation of Delaware. Renewed Mar. 29, 1947. Class 4.

226,059. **MARVELENE.** LUBRICATING OILS AND GREASES. Registered Mar. 29, 1927, BURGER-ADAMS PETROLEUM CO. Renewed Mar. 29, 1947, to The American Oil Corporation, Coffeyville, Kans., a corporation of Kansas. Class 15.

226,357. **LOKRITE.** CROWN CAPS FOR BOTTLES. Registered Apr. 5, 1927. CONSOLIDATED CORK CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed Apr. 5, 1947. Class 50.

226,560. **"DUPLIGRAPH" ETC.** PRINTING MACHINES. Registered Apr. 12, 1927. ADDRESSOGRAPH COMPANY, Chicago, Ill. Renewed Apr. 12, 1947, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Class 23.

226,594. **INCRETONE.** ENDOCRINE TONIC. Registered Apr. 12, 1927. G. W. CARNRICK CO., New York, N. Y. Renewed Apr. 12, 1947, to G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey. Class 6.

226,675. **DONNETTE.** APRONS AND DRESSES. Registered Apr. 19, 1927. DONNELLY GARMENT COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Apr. 19, 1947. Class 39.

226,747. **MANTELANE.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. Registered Apr. 19, 1927. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Renewed Apr. 19, 1947. Class 42.

226,806. **THONET.** FURNITURE—NAMELY, BENTWOOD CHAIRS, TABLES, SHOE-FITTING STOOLS, HIGH CHAIRS, COSTUMERS, SERVING TRAYS AND HEAD-WAITERS' DESKS. Registered Apr. 19, 1927. THONET BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed Apr. 19, 1947. Class 32.

226,807. **"THONET TT" AND DESIGN.** FURNITURE—NAMELY, BENT-WOOD CHAIRS, TABLES, SHOE-FITTING STOOLS, HIGH CHAIRS, COSTUMERS, SERVING TRAYS AND HEAD-WAITERS' DESKS. Registered Apr. 19, 1927. THONET BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed Apr. 19, 1947. Class 32.

226,991. **CIRCULAR DESIGN.** GRANITE AND MARBLE MONUMENTS AND MARKERS. Registered Apr. 26, 1927. MONUMENTAL SALES & MFG. CO., INC., St. Cloud, Minn., a corporation of South Dakota. Renewed Apr. 26, 1947. Class 50.

227,009. **"VITALO" AND HEAVY UNDERLINE.** GENERAL TONIC. Registered Apr. 26, 1927. ALOYS B. VOUK, St. Cloud, Minn. Renewed Apr. 26, 1947. Class 6.

227,017. **MIRROFROST.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. Registered Apr. 26, 1927. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Renewed Apr. 26, 1947. Class 42.

227,027. **"MONO ARM CONTROL" AND DESIGN.** POWER-DRIVEN RADIAL DRILLING MACHINES. Registered Apr. 26, 1927. THE CINCINNATI BICKFORD TOOL COMPANY, Oakley and Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 26, 1947. Class 23.

227,028. **CHROMINDIGEN.** DYES AND DYESTUFFS. Registered Apr. 26, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Renewed Apr. 26, 1947. Class 6.

227,233. **"O. T. OZARK TRAIL" AND REPRESENTATION OF A SIGN POST ETC.** CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND COCOA. Registered May 3, 1927. SPRINGFIELD GROCER COMPANY, Springfield, Mo., a corporation of Missouri. Renewed May 3, 1947. Class 46.

227,259. **TRU-POISE.** BOOTS AND SHOES MADE OF LEATHER AND TEXTILE FABRIC. Registered May 3, 1927. THE SELBY SHOE COMPANY, Portsmouth, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 39.

227,302. **REDWOODS.** WOOLEN BLANKETS. Registered May 3, 1927. PENDLETON WOOLEN MILLS, Portland, Oreg., a corporation of Oregon. Renewed May 3, 1947. Class 42.

227,322. **J. S DAY'S "17 IN ONE".** A MEDICINE FOR RHEUMATISM, KIDNEY TROUBLE, CATARRH, ECZEMA, AND BLOOD DISORDERS. Registered May 3, 1927. J. S. DAY, Hanceville, Ala. Renewed May 3, 1947. Class 6.

227,430. **"RED ARROW BRAND COFFEE" AND REPRESENTATION OF AN ARROW.** COFFEE. Registered May 3, 1927. THE WOOLSON SPICE COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 46.

227,534. **OLD PALS BRAND.** CANNED FISH—NAMELY, SALMON. Registered May 10, 1927. SEBASTIAN STUART FISH CO., Seattle, Wash., a corporation of Washington. Renewed May 10, 1947. Class 46.

227,550. **ESKAY.** MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM. Registered May 10, 1927. SMITH, KLINE & FRENCH COMPANY, Renewed May 10, 1947, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. Class 6.

227,746. **SANICO.** COFFEE. Registered May 17, 1927. SANITARY GROCERY COMPANY, INCORPORATED, Washington, D. C. Renewed May 17, 1947, to Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland. Class 46.

227,758. **LINOTEX.** READY-MIXED PAINTS. Registered May 17, 1927. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed May 17, 1947. Class 16.

227,763. **VELVETENE.** CREPE PAPER OF VARIOUS COLORS AND COMBINATIONS OF COLORS IN ROLLS, FOLDS, AND OTHER PACKAGES. Registered May 17, 1927. AMERICAN TISSUE MILLS, Holyoke, Mass., a corporation of Massachusetts. Renewed May 17, 1947. Class 37.

227,800. **"THREE MEDALS" ETC. AND PICTORIAL DESIGN OF SUCH.** ALIMENTARY PRODUCTS—NAMELY, MACARONI. Registered May 17, 1927. CHICAGO MACARONI CO., Chicago, Ill., a corporation of Illinois. Renewed May 17, 1947. Class 46.

227,890. **DOWNIES.** SANITARY NAPKINS. Registered May 17, 1927. THE PAPER NOVELTY COMPANY. Renewed May 17, 1947, to Diana Mfg. Co., Green Bay, Wis., a corporation of Wisconsin. Class 44.

227,921. **RAYONA.** SOAP. Registered May 17, 1927. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn., a corporation of Connecticut. Renewed May 17, 1947. Class 4.

227,954. **LORD CALVERT.** CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS—VIZ, GINGER ALE AND OTHER FLAVORS. Registered May 17, 1927. GOLDMAN & FREIMAN BOTTLING CO., INC. Renewed May 17, 1947, to Lord Calvert Beverages, Inc., Baltimore, Md., a corporation of Maryland. Class 45.

227,961. **"GRAND MA'S" AND REPRESENTATION OF A GRANDMOTHER.** SARSAPARILLA FOR MEDICINAL USE, CARBOLIC SALVE, ARNICA SALVE, PERFUMED TALCUM, CORN CURE, LINIMENT, AND OTHER NAMED MEDICINAL ITEMS. Registered May 17, 1927. PARK LABORATORY COMPANY, San Antonio, Tex., a corporation of Texas. Renewed May 17, 1947. Class 6.

227,971. **"JEMCO" ETC. AND REPRESENTATION OF COAT OF ARMS.** TEXTILE MATTRESS COVERS. Registered May 17, 1927. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 17, 1947. Class 42.

228,038. **"WHITE ROSE" AND REPRESENTATION OF ROSE.** MEN'S AND BOYS' COLLARS, PYJAMAS, NIGHTROBES, UNDERWEAR OF TEXTILE FABRIC, AND SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS. Registered May 24, 1927. HARRY BERGER, doing business as Harry Berger Shirt Company. Renewed May 24, 1947, to Kaylon Incorporated, New York, N. Y., a corporation of New York. Class 39.

228,070. **"ABSTRACT" AND REPRESENTATION OF MAP OF KANSAS AND OKLAHOMA.** MAPS. Registered May 24, 1927. MIDCONTINENT MAP COMPANY, Tulsa, Okla., a common-law trust of Oklahoma. Renewed May 24, 1947. Class 38.

228,150. **PREMIER.** PORTLAND CEMENT AND ARTIFICIAL PORTLAND CEMENT. Registered May 24, 1927. DODWELL & COMPANY, LTD., New York, N. Y., a corporation of Great Britain. Renewed May 24, 1947. Class 12.

228,186. **BLUE BIRD.** CLEANING AND SCOURING COMPOUND IN FINELY-DIVIDED FORM FOR HOUSEHOLD USE. Registered May 24, 1927. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed May 24, 1947. Class 4.

228,192. **MISTRAL.** COTTON BLANKETS. Registered May 24, 1927. BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Renewed May 24, 1947, to Beacon Manufacturing Company, Swannanoa, N. C., a corporation of Massachusetts. Class 42.

228,253. **LUCKY STRIKE.** COAL. Registered May 24, 1927. MOLINE CONSUMERS COMPANY, Moline, Ill., a corporation of Illinois. Renewed May 24, 1947. Class 1.

228,260. **LOOPWELD.** DISH DRAINERS, SPONGE HOLDERS, SOAP DISHES, TOOTHBRUSH HOLDERS, WALL BRACKETS, BROILERS, PLATE RACKS AND HOLDERS, AND OTHER SIMILAR NAMED ITEMS. Registered May 24, 1927. MARLBORO WIRE GOODS COMPANY, Marlboro, Mass., a corporation of Massachusetts. Renewed May 24, 1947. Class 13.

228,321. **OASIS.** CANNED FISH. Registered May 31, 1927. PYRAMID PACKING COMPANY, Sitka, Territory of Alaska. Renewed May 31, 1947, to Pyramid Fisheries Company, Inc., Seattle, Wash., a corporation of Washington. Class 46.

228,345. **"C-C- OF A-" REPRESENTATION OF GLOBE ETC.** FIBER-BOARD AND CORRUGATED-BOARD BOXES OR SHIPPING CONTAINERS. Registered May 31, 1927. CONTAINER CORPORATION OF AMERICA, Chicago, Ill., a corporation of Delaware. Renewed May 31, 1947. Class 2.

228,356. **MEDICAL LIFE.** MONTHLY PUBLICATION. Registered May 31, 1927. VICTOR ROBINSON, New York, N. Y. Renewed May 31, 1947. Class 38.

228,404. **"SUNSHINE" AND DRAWING.** POLISHES AND DRESSINGS FOR USE ON VARNISHED, LACQUERED, AND ENAMELED SURFACES TO CLEAN, RESTORE, AND PRESERVE THE SAID SURFACES. Registered May 31, 1927. STRAUB & YORKE, Chicago, Ill., a firm. Renewed May 31, 1947. Class 16.

228,448. **"PORCO" A REPRESENTATION OF A PIG'S HEAD AND DESIGN.** APPARATUS FOR CLAMPING MEAT. Registered May 31, 1927. BIAGIO A. FURIATI, Brooklyn, N. Y. Renewed May 31, 1947. Class 23.

228,452. **VARCOTE.** VARNISH. Registered May 31, 1927. PATEK BROTHERS, INC., Milwaukee, Wis., a corporation of Wisconsin. Renewed May 31, 1947. Class 16.

228,466. **DELUXE.** SANITARY NAPKINS. Registered May 31, 1927. THE PAPER NOVELTY COMPANY. Renewed May 31, 1947, to Diana Manufacturing Co., Green Bay, Wis., a corporation of Wisconsin. Class 44.

228,508. **"CAPITANA C" ETC. AND DESIGN.** WHEAT FLOUR. Registered June 7, 1927. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Renewed June 7, 1947. Class 46.

228,550. **"H" AND SHIELD DESIGN.** FABRICATED STRUCTURAL STEEL. Registered June 7, 1927. ROBERT W. HUNT COMPANY, Chicago, Ill., a corporation of Delaware. Renewed June 7, 1947. Class 12.

228,584. **COLTON TERRACE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered June 7, 1927. COLTON FRUIT EXCHANGE. Renewed June 7, 1947, to Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif. Class 46.

228,609. **"PURE MILK BETTER HEALTH" REPRESENTATION OF A COW AND DIAMOND SHAPED DESIGN.** PASTEURIZED AND FRESH MILK. Registered June 7, 1927. WAYNE CREAMERY, Detroit, Mich., a firm. Renewed June 7, 1947. Class 46.

228,616. **AIMCEE.** HAIR NETS. Registered June 7, 1927. ASSOCIATED MERCHANDISING CORPORATION. Renewed June 7, 1947, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Class 39.

228,633. **HIRSUTE AND CIRCULAR DESIGN.** LEATHER BELTING. Registered June 7, 1927. JOHNSON BELTING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 7, 1947. Class 35.

228,662. **"DIAMOND QUALITY CORDS" AND REPRESENTATION OF WIRE.** RUBBER-COVERED INSULATED WIRE. Registered June 7, 1927. DIAMOND BRAIDING MILLS. Renewed June 7, 1947, to Diamond Wire & Cable Co., Chicago Heights, Ill., a corporation of Illinois. Class 21.

228,673. **"DURAPAK" AND HEAVY UNDERLINE.** PAPER EMPLOYED AS A LINING OF VEGETABLE CRATES, CUT-FLOWER CONTAINERS, AND FOR LIKE PURPOSES. Registered June 7, 1927. THE PATERSON PARCHMENT PAPER CO., Passaic, N. J. Renewed June 7, 1947, to The Paterson Parchment Paper Company, Bristol, Pa., a corporation of Pennsylvania. Class 37.

228,676. **GOLDEN FEATHER.** CANNED OLIVES AND OLIVE OIL. Registered June 7, 1927. OLIVE PRODUCTS COMPANY, Oroville, Calif., a corporation of California. Renewed June 7, 1947. Class 46.

228,679. **"UNION" ETC. AND DESIGN.** MACHINERY FOR THE USE OF BAKERS AND CONFECTIONERS IN MAKING CANDY AND CHOCOLATE. Registered June 7, 1927. UNION CONFECTIONERY MACHINERY CO., INC., New York, N. Y., a corporation of New York. Renewed June 7, 1947. Class 23.

228,680. **UNION.** MACHINERY FOR THE USE OF BAKERS AND CONFECTIONERS IN MAKING CANDY AND CHOCOLATE. Registered June 7, 1927. UNION CONFECTIONERY MACHINERY CO. INC., New York, N. Y., a corporation of New York. Renewed June 7, 1947. Class 23.

228,722. **"HAWK-EYE BRAND" AND REPRESENTATION OF HAWK'S EYE ETC.** FARM AND GARDEN SEEDS. Registered June 7, 1927. HAMILTON SEED & COAL CO., Cedar Rapids, Iowa, a corporation of Iowa. Renewed June 7, 1947. Class 1.

228,746. **HIGHLAND GROVE.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Registered June 7, 1927. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif., a corporation of California. Renewed June 7, 1947. Class 46.

22,903

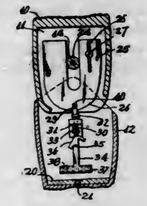
ARTIFICIAL LEG

George A. Hinkle, New York, N. Y., assignor to C. H. Bennington Mfg. Co., Inc., Hempstead, Long Island, N. Y., a corporation of New York

Original No. 2,327,042, dated August 17, 1943, Serial No. 453,163, August 1, 1942. Application for reissue August 12, 1944, Serial No. 549,231

17 Claims. (Cl. 3—2)

14. In an artificial limb, a leg member having a hollow top end, a thigh member having a hollow lower end, means pivotally connecting the upper end of said leg member and the lower end of said thigh member, a lock member fixedly secured to one of said members, a second lock member movably mounted on the other of said members and engageable with said first-mentioned lock member to lock said members fixedly together, a pivot mounted on said other member within the confines of the hollow end of such member, and a gravity operated swinging member movably mounted on said pivot for operating said second

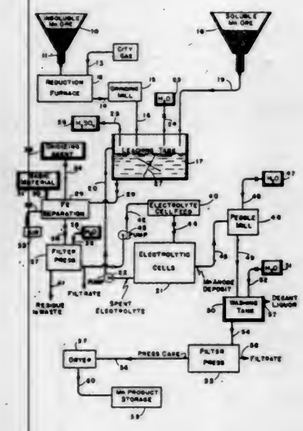


lock member to lock said leg and thigh members together in the forwardly directed position of said limb.

PATENTS

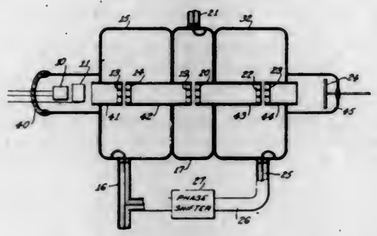
GRANTED AUGUST 5, 1947

2,424,958
PROCESS OF ELECTRODEPOSITING A MANGANESE DIOXIDE COMPOUND
Robert F. Clemens, New York, N. Y., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application August 31, 1943, Serial No. 500,611
1 Claim. (Cl. 204—83)



The process of electrodepositing a manganese dioxide compound which comprises treating a leaching solution containing manganous sulfate and free sulfuric acid with a manganese bearing ore containing iron and having the manganese present as an acid soluble compound in such amount as to neutralize said acid to a degree such that the acidity of said solution corresponds to a pH value of not lower than 3 and not more than 4 to thereby cause the acid soluble manganese compound in the ore to go into the leaching solution as manganous sulfate, treating the thus leached ore pulp mass with a basic substance capable of forming a precipitate upon reaction with said acid in amount such as to reduce its acidity to a pH value of between 5 and 6, subjecting said mass to an oxidation to convert the ferrous sulfate to the ferric state thereby causing the ferric iron to be precipitated out of said solution, separating the leaching solution from said mass to obtain a purified leaching solution substantially devoid of iron, passing a direct current through electrodes immersed in an electrolyte bath of said leaching solution while maintaining said bath at a temperature of not less than 60° C. and not greater than substantially 70° C. and at a current density not less than 6 and not more than 9 amperes per square foot of anode surface to deposit on the anode the manganese in the form of manganese dioxide, and forming said leaching solution by diluting spent electrolyte withdrawn from said bath with water and adding sulphuric acid as required to obtain the said acidity of said solution.

2,424,959
TUBE ARRANGEMENT FOR FREQUENCY DOUBLING
Andrew Alford, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 21, 1940, Serial No. 357,764
4 Claims. (Cl. 315—6)



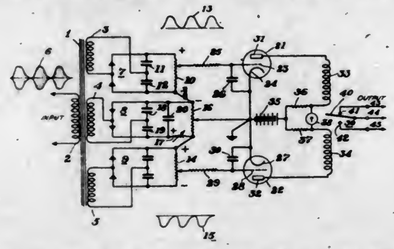
1. A frequency multiplier comprising means for producing a beam of electrons moving at a given velocity, means for modifying the velocity of electrons in said beam in accordance with a fundamental frequency, means tuned to an even harmonic of said fundamental frequency for extracting energy at said harmonic frequency from said beam of electrons so modified in velocity, means tuned to said fundamental frequency for extracting fundamental frequency from said beam, means transferring electrons leaving said means tuned to a harmonic frequency to said means tuned at fundamental frequency, and means for feeding energy from said second tuned means to said velocity modifying means.

2,424,960
ALKOXY MENTHENE-7-CARBINOLS AND PROCESS OF PREPARING SAME
Joseph P. Bain and Albert H. Best, Jacksonville, Fla., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 4, 1946, Serial No. 701,090
11 Claims. (Cl. 260—489)
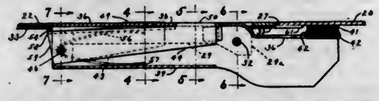
11. The acetic acid ester of 8-methoxy-menthene (1)-7-carbinol.

2,424,961
DEMODULATOR FOR CARRIER TELEGRAPH SIGNALS
Erwin P. Bancroft, Brooklyn, and Jacob L. Jatlow, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 4, 1944, Serial No. 566,557
10 Claims. (Cl. 178—70)

1. In a demodulator for carrier telegraph waves, the combination of a carrier wave source, a first rectifier connected to said source, a first load circuit having a long time-constant connected to said first rectifier, the rectified output of said first rectifier developing in said first load circuit a normal biasing potential of a given polarity; a second rectifier connected to said source, a second load circuit having a short time-constant connected to said second rectifier, the rectified output of said second rectifier developing in said second load circuit a marking biasing potential of opposite polarity to that of said given polarity, a third rectifier connected to said source, a third load circuit connected to the output of said third rectifier, an amplifier having grid and cathode input electrodes, means for serially connecting said first and second load circuits to said grid input electrodes, and means for connecting said third load circuit to the cathode electrodes.



2,424,962
LATCH MECHANISM
Frank A. Best, Windsor, Ontario, Canada
Application April 25, 1945, Serial No. 590,160
18 Claims. (Cl. 292—229)



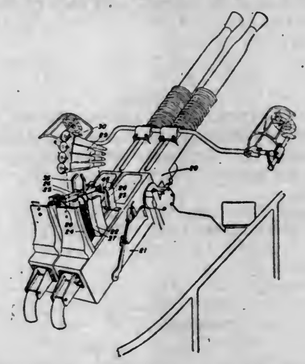
1. Latch mechanism for a closure which is hingedly mounted on a wall structure for normally closing an opening therein, said latch mechanism comprising a latching lever pivotally mounted intermediate its ends on said closure for swinging movement into and out of latching position, said lever when in latching position having one end portion thereof projecting beyond said closure for latching cooperation with said wall structure, detent means carried by the other end portion of said lever for releasable detention by said closure when said lever is in latching position, and means operable to release said detent means from detention by said closure and comprising a plurality of spaced parts each requiring operation to effect the release of said detent means.

2,424,963
DETACHABLE BRIDGE UNIT CRYSTAL MOUNTING
Samuel Alexander Bokovoy, Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 6, 1943, Serial No. 513,139
11 Claims. (Cl. 171—327)



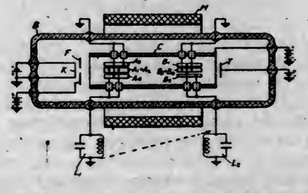
1. A frequency determining unit of the character described having in combination a holder of insulating material formed with an internal socket for the reception of a crystal mounting unit and a separable crystal mounting unit having a support of insulating material provided with combined connector and mounting member supports secured thereto and spaced for bearing support on the holder and the said holder being provided with electrical terminal elements and securing means positioned to secure the connector supports and to effect electrical connection with the terminal elements.

2,424,964
AMMUNITION POSITIONING DEVICE FOR GUNS
Virgil C. Bowser, Silver Spring, Md.
Application May 31, 1945, Serial No. 596,934
13 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A device for positioning an object with respect to a feedway into which it is to be fed, comprising a plurality of positioning elements for mounting adjacent a feedway and projectable thereinto in blocking positions with respect to said object, said elements being movable out of such blocking positions to permit passage of said object, interlocking means securing against substantial independent movement of said elements from said blocking positions, and means operable by pressure of said object conjointly against said elements for disengaging said interlocking means to permit movement of said elements out of said blocking positions.

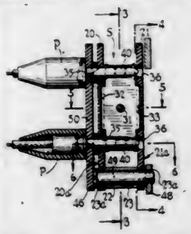
2,424,965
HIGH-FREQUENCY AMPLIFIER AND OSCILLATOR
Leon N. Brillouin, Madison, Wis., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application March 20, 1942. Serial No. 435,521
8 Claims. (Cl. 250—27.5)



1. An electron discharge apparatus for amplifying a variable voltage comprising an enve-

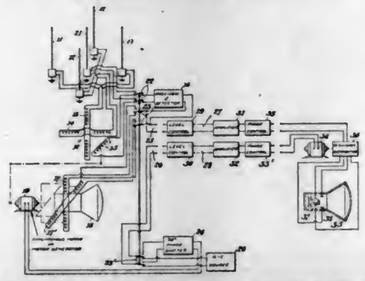
lope, means including a cathode positioned within said envelope for producing and directing an electron beam, a metallic tube positioned axially about the path of said beam within said envelope, means positioned about said tube for generating a magnetic field parallel to the axis of said tube whereby said beam is rotated about the linear axis with a constant velocity, means connected to said tube for maintaining said tube at a positive potential with respect to said cathode whereby said beam is advanced through said tube, a first pair of oppositely directed arcuate electrodes disposed one on either side of the path of said beam and mounted in said tube adjacent the end nearest the cathode, a second pair of oppositely directed arcuate electrodes disposed one on either side of the path of said beam and mounted in said tube at a point along its axis from said first pair of electrodes, a variable voltage source connected to said first pair of electrodes for controlling a radial dimension of said beam, and an output circuit connected to said second pair of electrodes for extracting energy from said beam in the form of said variable voltage.

2,424,966
ELECTRICAL CONNECTOR
Stephen N. Buchanan, Westmoreland Hills, Md., and James O. Johnson, Teaneck, N. J., assignors, by mesne assignments, to Harvey Hubbell, Inc.
Application February 9, 1942, Serial No. 430,028
3 Claims. (Cl. 173—334)



1. In an electrical terminal device of the class described, the combination of a pair of spaced insulating plates having plug receiving holes coaxial in both plates and arranged in staggered pairs and having inwardly faced slots extending between said pairs of holes, tubular spacers positioned between said plates, rivets extended through said spacers and through the plates at opposite ends and securing them rigidly in said spaced relation, at least one of said rivets being tubular for reception of fastening means for securing the terminal device to an external support, a plurality of receptacle elements staggered and laterally spaced from one another and mounted edgewise between said plates, each receptacle element comprising a pair of resilient sheet metal parts each having a relatively flat intermediate body portion extended at its opposite sides into said slots in the insulating plates and integral concaved contact portions of lesser width, whereby to leave a clearance from said insulating plates and each of said contact portions extending approximately coaxially of and between opposite holes in said insulating plates, said body portions being disposed face to face in overlying relationship and said contact portions being in opposed, approximately coaxial, relationship, and means securing said body portions together but leaving the contact portions free to move resiliently toward and away from one another.

2,424,967
DIRECTION FINDER SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application April 6, 1942, Serial No. 437,844
6 Claims. (Cl. 250—11)

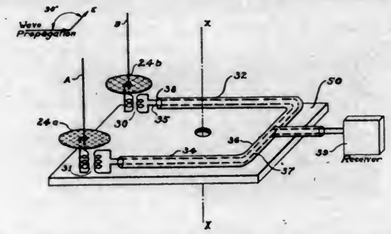


1. A direction finder system comprising directive antenna means, means for effectively rotating the directivity thereof, means for producing a synchronizing signal for controlling the rotating means, receiver and detector means coupled to said antenna means, cathode ray indicating means including means for producing an effectively rotating field therein in synchronism with the effective rotation of said antenna means in response to a receipt of said synchronizing signal, and deflection means responsive to signals from said receiver and detector means for setting up field variations within said cathode ray indicator means corresponding to variations of the output of said receiver and detector means for various angular positions of said effective rotation, and transmission line means connected at one end to said means producing a synchronizing signal and at the other end to said means producing an effectively rotating field, said transmission line means coupling the output from said receiver and detector means to said means responsive thereto, said transmission line means including toward the end thereof adjacent said antenna means, a first circuit coupled to the synchronizing means and a second circuit connected to the output from said receiver and detector means, said first circuit including means producing a carrier of higher frequency than the highest of the essential components of said output modulated in synchronism with said effective rotation; said transmission line means further including toward the end thereof adjacent said indicating means a first circuit connected to said means responsive to signals from said receiver and detector means; and a second circuit including filter means passing frequencies in the neighborhood of said carrier and demodulating means, the last-mentioned second circuit being connected to said means for producing an effectively rotating field.

2,425,968
DIRECTIVE ANTENNA SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application June 2, 1942, Serial No. 445,468
13 Claims. (Cl. 250—11)

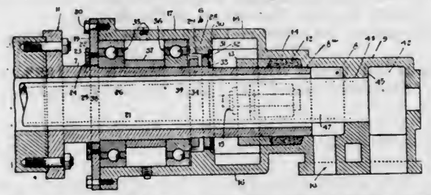
1. A directional antenna comprising a plurality of spaced apart vertically disposed aerials, a transmission line, a shielding covering therefor, said line coupling together electrically at least two of said aerials, and having the major part of the portion of the line spanning the space between the two aerials disposed at a distance equal

to at least two-thirds of the spacing between said aerials from the plane of said two aerials such



that the parasitic induction produced in said aerials by electrical forces in the covering of said portion is reduced to an inconsequential amount.

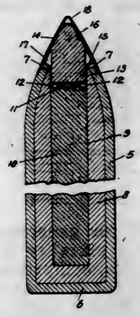
2,424,969
STEAM JOINT
Russell Carpenter, Three Rivers, Quebec, Canada
Application July 16, 1945, Serial No. 605,291
2 Claims. (Cl. 285—10)



1. A steam joint assembly comprising a relatively long condensate-receiving conduit open at both the receiving and discharge ends and provided, at the receiving end, with means for attaching it to one end of a hollow rotary journal of a steam heated cylinder, a stationary casting having formed therein a condensate-receiving chamber and a steam chamber separated from each other by a partition wall provided with an opening serving as a discharge outlet for the steam chamber, said steam chamber being provided with a steam admission opening and said condensate-receiving chamber being provided with a condensate discharge opening, said condensate chamber being also provided with an inlet opening in which the discharge end of said conduit is rotatably fitted, said casting being formed with a stuffing box through which said conduit extends into the inlet opening of said condensate-receiving chamber, a gland working in said stuffing box and encircling said conduit, a bearing housing through which said conduit extends, said bearing housing being integrally connected with and supported by the stuffing box portion of said casting, anti-friction journal bearings for said conduit arranged within said bearing housing and a steam pipe passing through said condensate-receiving chamber and said conduit and having its receiving end fitted in the steam chamber discharge outlet provided in said partition wall.

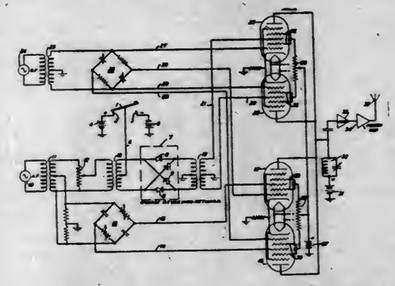
2,424,970
EXPLOSIVE PROJECTILE
Joseph H. Church, Austin, Minn., and Gregory J. Kessenich, Madison, Wis.
Application January 19, 1940, Serial No. 314,624
9 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A projectile comprising a jacket having an open front end, a lead core in the jacket having a chamber, a main explosive charge in the chamber and spaced from the front end thereof, a cushion in front of the main charge, a capsule inserted in the mouth of the chamber in front of the cushion and having an ogival head with a



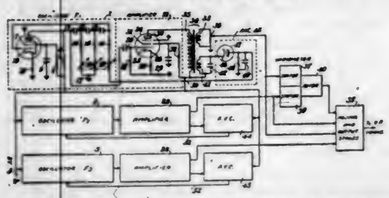
flanged shoulder overlying the rim of the jacket and spaced therefrom, an initiating charge of nitroglycerin mixed with an adsorbent in the capsule and adapted to be separated from the absorbent under the influence of centrifugal force to be exploded on impact.

2,424,971
FREQUENCY-SHIFT RADIO TELEGRAPH TRANSMITTING SYSTEM
James R. Davey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1944, Serial No. 545,934
4 Claims. (Cl. 250—8)



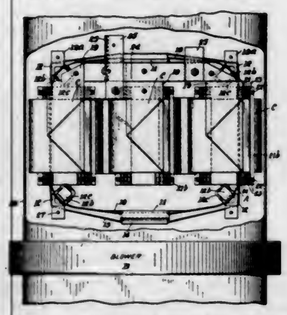
1. A carrier shift telegraph transmitting system comprising in combination a source of carrier waves, a source of low frequency oscillations, a pair of balanced modulators having a common output circuit, a plurality of input circuits for coupling each of said sources with said modulators for impressing thereon said carrier waves and said low frequency oscillations in such phase relationships as to produce a single side frequency in said common output circuit, said system being characterized by having control means for changing the wavelength of said single side frequency in accordance with telegraph signals, said control means including a telegraph key, a source of bias voltages, phase reversing means interposed in one of said input circuits, and circuit means for impressing the biasing voltages on said phase reversing means for reversing the phase of the electric wave energy impressed by said input circuit in accordance with the operation of said telegraph key.

2,424,972
TRANSMITTER CONTROL CIRCUIT
Lester Dubin, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1945, Serial No. 586,225
5 Claims. (Cl. 250—36)



1. A radio circuit for generating a composite signal consisting of a plurality of signals having constant mutual ratios, comprising a plurality of oscillators, one each for generating a signal at a given frequency, signal amplifying means for each oscillator, a load output circuit for each of said amplifying means, a control output circuit coupled to each of said amplifying means for deriving a corrective biasing voltage therefrom, means for applying said biasing voltage to the respective oscillators, to compensate for variation in amplitude of the output energy thereof, and means for applying a delaying bias common to all of said control circuits, whereby a common reference is obtained for said oscillators.

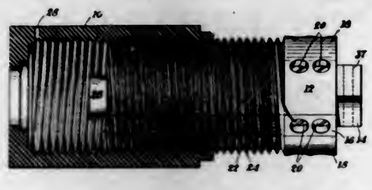
2,424,973
TRANSFORMER
Frank W. Edmonds, St. Albans, N. Y., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1943, Serial No. 482,525
14 Claims. (Cl. 175—362)



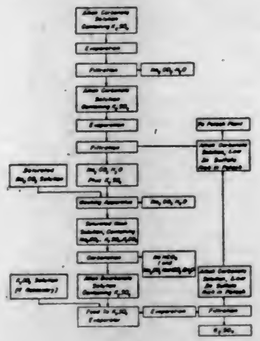
1. A transformer construction comprising a core, cooperating induction coils mounted on said core, a bracket construction for supporting said core bearing against the core, and a retaining band extending around the bracket construction and core under tension, arranged to hold said core in place against said bracket construction.

2,424,974
METHOD OF AND MEANS FOR FORMING COILS
George H. Erb, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,356
5 Claims. (Cl. 153—64)

1. The method of forming an internally wound coil, which includes the steps of winding the coil on the apices of the threads of a threaded collapsible mandrel, screwing the mandrel with the coil thereon into an internally threaded coil support, and then collapsing and withdrawing the mandrel, leaving the coil in the internally formed threads of the coil support.

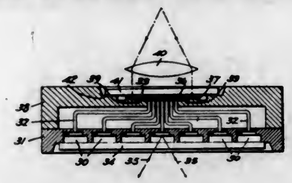


2,424,975
PROCESS FOR SEPARATING POTASSIUM SULFATE FROM ALKALI CARBONATES
Guy Ervin, Jr., College Park, Md., assignor to Government of the United States, as represented by the Secretary of the Interior
Application September 15, 1943, Serial No. 502,452
2 Claims. (Cl. 23—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



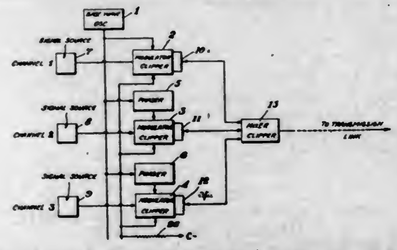
2. A process for removing potassium sulfate from an aqueous solution thereof with sodium and potassium carbonates which comprises the steps of evaporating the solution at a temperature of at least 35 degrees centigrade to precipitate sodium carbonate crystals and recovering the crystals; then further evaporating at a temperature of at least 35 degrees centigrade to precipitate alkali metal sulfate admixed with carbonates and separating and recovering the crystals and a mother liquor low in sulfate and rich in potash; then extracting the alkali sulfate-containing precipitate with hot concentrated sodium carbonate solution to obtain a sulfate-containing wash solution and separating this from a residue of sodium carbonate low in sulfate; then passing carbon dioxide into the wash solution at a temperature not higher than 65 degrees centigrade to precipitate a mixture of sodium bicarbonate and trona and separating the mother liquor from the precipitate; adding potassium carbonate to the liquor to repress glaserite formation in the subsequent step; and evaporating the liquor to crystallize out potassium sulfate and obtain as a mother liquor, potassium carbonate solution low in sulfate.

2,424,976
SYSTEM FOR DETECTING SOURCES OF RADIANT ENERGY
Marcel J. E. Golay and Harold A. Zahl, Fort Monmouth, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War
Application June 12, 1939, Serial No. 278,630
25 Claims. (Cl. 250—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



18. A device for detecting and indicating radiant energy comprising a chamber encompassing a gaseous volume, and including in said volume a radiation absorbing substance characterized by a low specific heat, being formed as a thin blackened membrane and constituting a partition in said chamber; fluid passages to permit fluid flow on opposite sides of said partition; a second partition in said chamber in the form of a thin flexible film responsive to rapid pressure changes produced by the gas expanding or contracting in accordance with the temperature changes of the said heat absorbing substance; means including a restricted passage for slowly relieving the pressure differential produced on the two sides of said flexible film; and optical means including a plane reference surface for observing the movement of said flexible film as these movements cause changes in the interference fringes produced by monochromatic light reflected from said film and said surface.

2,424,977
PULSE WIDTH MODULATION MULTI-CHANNEL TRANSMITTING SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 12, 1944, Serial No. 539,856
11 Claims. (Cl. 179—15)



10. A method of multi-channel communication comprising producing a separate series of pulses for each of a plurality of channels said pulses having at least one sloping edge, timing differently the pulses of the different channels, modulating a given characteristic of the pulses of each channel according to instantaneous values of an intelligence signal, giving the pulses of each of the channels a characteristic amplitude, clipping the pulses of each channel thus characterized at a level common to all channels, thereby obtaining pulses of equal amplitude and different characteristic widths, and interleaving the different series of pulses together as a single train of pulses for transmission over a common transmission medium.

2,424,978
SALT-AND-PEPPER SHAKER
Frank Richard Hale, Paterson, N. J., assignor to Futura, Inc., a corporation of New Jersey
Application August 30, 1945, Serial No. 613,663
2 Claims. (Cl. 65—45)



1. A holder for salt and pepper having a substantially globular body portion composed of two halves threadably united, one of said halves being provided with a plurality of dispensing openings, the other half having an integrally formed fixed partition dividing it into two separate chambers, the other half being also similarly divided by said partition when the latter half is attached to the first half.

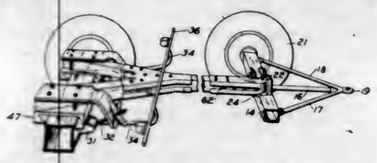
2,424,979
POLYMERIZATION OF ROSIN
Burt L. Hampton, Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 10, 1946, Serial No. 675,831
14 Claims. (Cl. 260—97)

2. The process for polymerizing rosin which comprises the step of treating rosin in liquid phase with a small amount to about 10% of a catalytic material selected from the group consisting of the mercury chlorides and mercury bromides, for a time of between about one-half hour and about 100 hours, at temperatures between about 50° C. and 165° C., said catalytic material being formed in situ by reaction of a mercury-containing compound selected from the group consisting of the mercury oxides, mercury hydroxides, mercury carbonates, mercury iodides, and mercury fluorides, with a hydrohalide selected from the group consisting of hydrogen chloride and hydrogen bromide.

2,424,980
BOGIE COUPLER
Henry Handler, Aberdeen, Md.
Application April 2, 1945, Serial No. 586,257
6 Claims. (Cl. 280—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

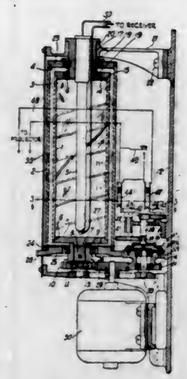
1. In a bogie coupling arrangement of the character described for the front and rear bogies of a gun mount, the combination of said rear bogie provided with swing bolts whereby said rear bogie may be secured to said gun mount, a longitudinal member for connection at its forward end to said front bogie, permanently at-

tached arms extending rearwardly from said longitudinal member for connection to the rear



bogie, and means carried by said arms for interlocking engagement with said swing bolts.

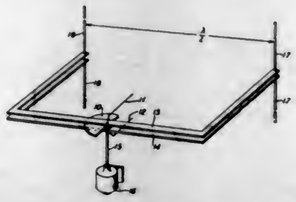
2,424,981
SIGNALING SYSTEM
Bertram M. Harrison, Wellesley Hills, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application February 27, 1943, Serial No. 477,477
9 Claims. (Cl. 161—15)



1. In a device for measuring time intervals, an indicating device including a pair of concentric cylinders, means for rotating the same in opposite directions at different speeds having a fixed ratio to one another, one of said concentric cylinders having a spiral curving in one direction and the other of said cylinders rotating at the faster speed having a family of spirals curving in the opposite direction with a shorter pitch than the spiral on the first cylinder, said single spiral and said family of spirals providing in successive revolutions of the slower cylinder single intersections aligned along an axial element of the cylinder, said intersections forming windows permitting illumination to show through, an illuminating indicator positioned in line with said axial element and means for providing an illumination of said indicator at the end of the time interval being measured.

2,424,982
DIRECTIONAL RADIO ANTENNA LOBE SWITCHING SYSTEM
William H. C. Higgins, West Orange, and Clifford A. Warren, Watchung, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 3, 1942, Serial No. 453,390
11 Claims. (Cl. 250—11)

1. In a high frequency radio directional system, an antenna system comprising a plurality of radiating and receiving antenna members symmetrically arranged with respect to a particular axis, a system of electrical transmission lines providing electrical symmetry between a common electrical input point and the corresponding portions of said antenna system on opposite sides of said axis of symmetry, the antenna system being proportioned to provide a sharply directive lobe characteristic along said axis of symmetry and lobe-switching means comprising means for introducing a predetermined discrete reactive impedance non-conductively connecting



to said antenna system, alternately at two portions of said transmission line system, said two portions being the corresponding portions of said transmission line system on opposite sides of said axis of symmetry, the value of said reactive impedance being not less than the characteristic impedance of said transmission line whereby lobe-switching, that is deflection of the lobe alternately from a position a few degrees on one side of said axis of symmetry to a position a like few degrees on the opposite side of said axis, can be effected with rapidity and without encountering contact resistance difficulties.

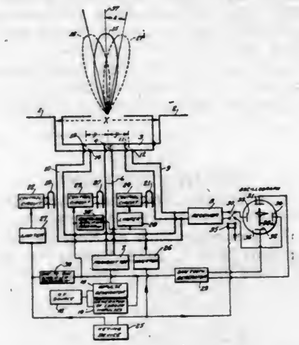
2,424,983
PRODUCTION OF THIOCYANATES
William H. Hill, Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application April 28, 1943, Serial No. 484,911
4 Claims. (Cl. 23—75)

1. A process of separating a thiocyanate from crude thiocyanate material, which process comprises: bringing together uncombined ammonia in gaseous phase and solid crude thiocyanate material containing a major proportion of thiocyanate to form a solution of the thiocyanate, removing the dissolved thiocyanate from undissolved material while maintaining the thiocyanate in solution, evaporating the ammonia from the resulting solution to obtain purified thiocyanate, and bringing together the resulting separated gaseous ammonia and additional solid crude thiocyanate material for recovery of thiocyanate therein.

2,424,984
DISTANCE AND DIRECTION RADIO OBJECT DETECTION
Ross B. Hoffman, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application February 14, 1942, Serial No. 430,905
16 Claims. (Cl. 250—1.62)

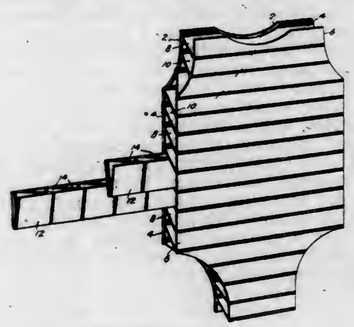
1. A radio impulse system comprising transmitter means, receiver means, an antenna structure for both transmitting and receiving electromagnetic waves, means for alternately providing an effective transmission path between said antenna structure and said transmitter

means and between said antenna structure and said receiver means, and means for causing said



antenna structure to receive alternately according to two differently-directed radiation patterns.

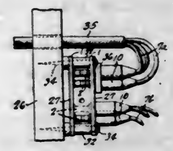
2,424,985
BODY ARMOR
Dana C. Howard, Springfield, Mass.
Application September 5, 1944, Serial No. 552,782
8 Claims. (Cl. 2—2.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of forming a series of overlapping, diagonal pockets for body armor secured to a relatively heavier backing fabric, in which oppositely disposed, relatively lighter, fabric sections integrally connected by diagonal transverse sections are employed, comprising cutting alternate transverse sections, cutting one of said fabric sections at predetermined points on each side of the uncut transverse sections, folding back the uncut fabric section, and successively sewing the cut ends of the fabric section to said heavy backing.

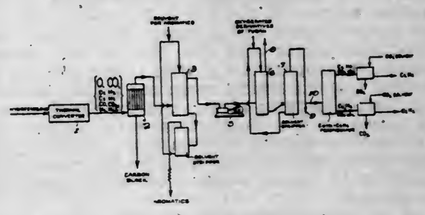
2,424,986
MULTIUNIT WIRING RECEPTACLE
Harvey Hubbell, Long Hill, and Joseph F. Healy, Jr., Bridgeport, Conn., assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application March 19, 1942, Serial No. 435,374
11 Claims. (Cl. 173—334)

1. A wiring receptacle comprising laterally spaced plates of insulating material at least one of which has spaced openings therein for insertion of connector contacts, receptacle contacts extending transversely between the plates and comprising metal plates having lugs on their opposite edges seating in other openings in the first plates and shaped at their opposite ends to form spring contacts to engage connector contacts in-



serted in the first openings, cover plates of insulating material on the outer sides of the first plates to cover the ends of said lugs and having insert openings in alignment with the first said openings, and means extending between the first plates securing them together.

2,424,987
PROCESS FOR THE CONCENTRATION OF ACETYLENE
Robert M. Isham, Okmulgee, Okla., assignor to Danciger Oil & Refineries, Inc., Fort Worth, Tex., a corporation of Texas
Application July 13, 1942, Serial No. 450,771
1 Claim. (Cl. 183—115)



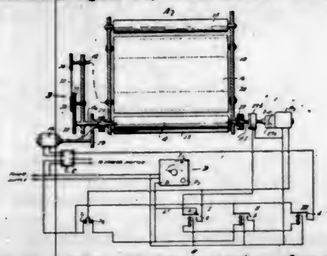
In the concentration of acetylene from gaseous mixtures thereof, which comprises, contacting the mixture with tetrahydrofurfuryl acetate.

2,424,988
INK PAD FOR STENCIL DUPLICATORS
Ralph L. Johnson, Brockton, Mass.
Application July 31, 1944, Serial No. 547,475
3 Claims. (Cl. 101—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



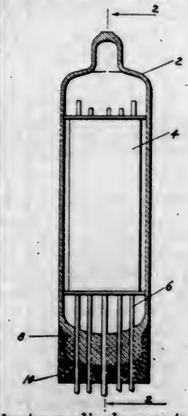
1. A stencil printer including a base member, a cushion member mounted thereon, a sheet of oil-board or similar impervious material covering the cushion member, a sheet of absorbent material disposed upon the sheet of impervious material, relatively narrow strips of impervious material mounted on the face of the absorbent material at certain of the edges thereof, rows of closely spaced staples for fastening together said base member, cushion member, oil-board covering, absorbent material and narrow strips, and wood strips for further clamping said strips of impervious material on the edges of the absorbent sheet.

2,424,989
AERIAL PHOTOGRAPHIC IMAGE MOTION COMPENSATING SYSTEM
Alfred A. Koepfer, Dayton, Ohio
Application September 13, 1945, Serial No. 616,140
2 Claims. (Cl. 95—12.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



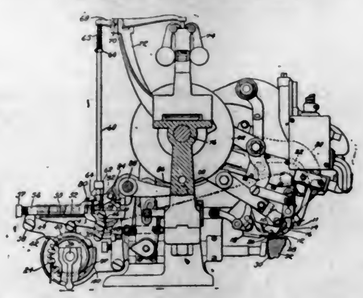
1. In an aerial camera, a system for compensating for image travel on the focal plane of the camera comprising a film driving means to advance the film across the focal plane of the camera, a synchronizing motor, means for varying the transmission speed of the synchronizing motor to advance the film across the focal plane at a predeterminable rate to compensate for the rate of image travel on the focal plane of the camera during the exposure of the film, a recycling motor for advancing the film across the focal plane between exposures to position an unexposed portion of the film in the focal plane for the next exposure, clutch means between the synchronizing motor and the film driving means, means for tripping the shutter of the camera including delayed action operating means between the shutter tripping means and the clutch means for engaging the clutch means to advance the film and subsequently actuate the shutter tripping means, whereby the film driving means may attain synchronized speed prior to the opening of the shutter.

2,424,990
PROTECTIVE DEVICE FOR TUBE ENVELOPES
Norman B. Krim, Newton Highlands, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 9, 1943, Serial No. 513,576
10 Claims. (Cl. 250—27.5)



1. In an electron discharge tube the combination of an hermetically sealed glass envelope, a reinforcing member of polystyrene attached directly to the outer surface of said envelope, relatively stiff conductors sealed through the part of said envelope to which said reinforcing member is attached and through said reinforcing member, said reinforcing member compressively embracing the part of said envelope to which it is attached, and said conductors being securely anchored in said reinforcing member and projecting therefrom as external contact prongs.

2,424,991
SEWING MACHINE
Henry A. Landroche, Spencer, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 7, 1945, Serial No. 592,334
4 Claims. (Cl. 112—59)



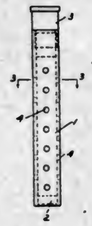
1. A chain-stitch sewing machine having stitch forming devices including a hook needle and a looper, said devices acting to form and carry loops of needle thread through the work and to withdraw thread from the supply for the succeeding stitch after applying a stitch setting tension to the thread, and a tensioning device comprising a thread engaging wheel, a friction drum connected to be rotated with the wheel, and a brake shoe engaging the drum, in combination with means for applying a continuous surplus supply of friction-modulating liquid to the friction drum to prevent a substantial increase in tension on the thread while the thread for the succeeding stitch is being withdrawn.

2,424,992
METHOD OF MAKING A PHOSPHORIC ACID COMPOSITION
Royal Lee, Milwaukee, Wis., assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application May 12, 1944, Serial No. 535,382
4 Claims. (Cl. 252—193)

1. A method comprising admixing comminuted starchy material with a solution of phosphoric acid in a volatile organic solvent, and then evaporating the solvent to produce a relatively non-hygroscopic dry comminuted product having phosphoric acid dispersed therein.

2,424,993
SEALING FLASH HOLES OF PRIMERS
Leo Meister, Irvington, N. J.
Application April 19, 1944, Serial No. 531,841
4 Claims. (Cl. 102—86.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

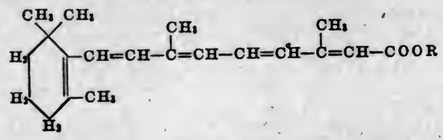
1. An artillery primer comprising a perforated primer tube, a lining composed of a paper strip and a readily fusible metallic strip wound into a tube with the metallic strip on the outside and



inserted within the said primer, the said metallic outside surface of the lining being soldered to the inside surface of the primer.

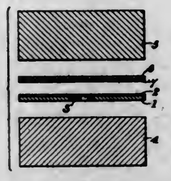
2,424,994
VITAMIN A ACID AND ITS ESTERS AND METHOD OF MAKING THEM
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Original application June 20, 1944, Serial No. 541,293. Divided and this application August 30, 1946, Serial No. 694,155
5 Claims. (Cl. 260—410.9)

1. As a new product a compound of the formula



in which R stands for a member of the group consisting of hydrogen and alkyl groups.

2,424,995
SELENIUM ELEMENT AND METHOD
Arthur J. Miller, Newark, and Otto J. Mueller, Rutherford, N. J., assignors to Federal Telephone & Radio Corporation, Newark, N. J., a corporation of Delaware
Application November 5, 1942, Serial No. 464,642
3 Claims. (Cl. 175—366)

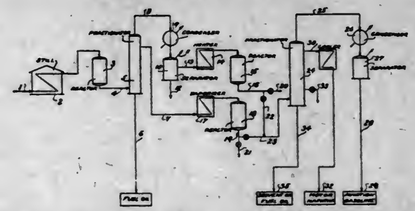


1. The method of treating a selenium coated plate which includes pressing against the top surface of the selenium coating a hydrated oxide coated aluminum sheet, the thickness of the oxide coating being in the order of that obtained by anodizing the aluminum surface in approximately 10% by weight sulphuric acid solution for about seventeen minutes with a current density between about 4 and 32 amperes per square foot of aluminum surface to be coated.

2,424,996
PRESSURE-SENSITIVE ADHESIVE TAPES
Vlon Neilan Morris, Highland Park, N. J., assignor to Industrial Tape Corporation, North Brunswick, N. J., a corporation of New Jersey
No Drawing. Application July 15, 1942, Serial No. 451,090
7 Claims. (Cl. 117—80)

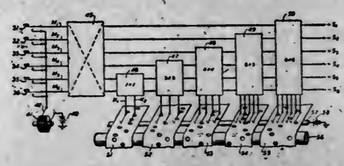
1. A pressure-sensitive adhesive tape having a paper backing impregnated with a hydrophilic proteinaceous impregnant, a hydrophobic pressure-sensitive adhesive mass on one side of said backing, and a priming coat between said backing and said adhesive mass, said priming coat comprising particles of hydrophobic vulcanized rubber derived from an aqueous dispersion of a vulcanized rubber and adhering to and having an affinity for both the impregnated hydrophilic backing and the hydrophobic adhesive mass.

2,424,997
PRODUCTION OF AVIATION GASOLINE
Roger H. Newton, Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application October 21, 1942, Serial No. 462,794
8 Claims. (Cl. 196—52)



1. Process of making high quality aviation base stock which comprises subjecting cracked hydrocarbons having an end point not exceeding about 500° F. in at least two cuts and under differing operating conditions and separately to treatment by high activity silicious cracking catalysts, the heavier the cut the more severe the treatment, the temperatures of the treatments being in excess of 750° F. but not in excess of 950° F., segregating hydrocarbons in the aviation gasoline boiling range from the products of said treatments, and combining said segregated hydrocarbons.

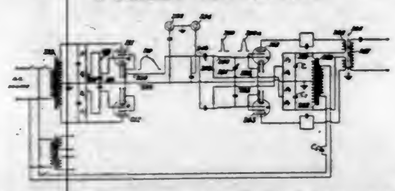
2,424,998
ELECTRICAL TRANSMISSION SYSTEM
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1945, Serial No. 592,968
6 Claims. (Cl. 179—1.5)



1. In combination in an electrical circuit, a group of N separate input conductors and a group of N separate output conductors, where N is an integral number greater than 3, and means to establish simultaneous individual circuit connections between said input and output conductors respectively and to permute said circuit connec-

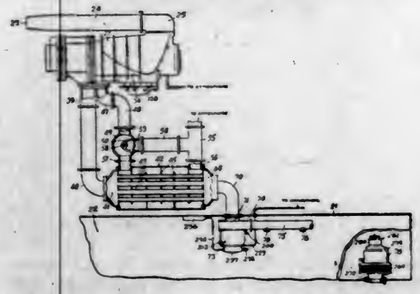
tions among themselves comprising a succession of N–1 permuters each embracing a different fractional number of said circuit connections from two to N such circuit connections respectively.

2,424,999
PULSE GENERATING SYSTEM
Evert Manuel Ostlund, Montclair, N. J., and Paul W. Sokoloff, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 13, 1943, Serial No. 479,012
7 Claims. (Cl. 250—27)



1. A system for generating pulses from a source of alternating current comprising a gas-discharge tube having anode, cathode and grid electrodes, means to apply alternating voltage from said alternating current source to the anode and grid electrodes, means to control the phase of the alternating voltage applied to one of said electrodes with respect to that applied the other electrode so as to determine the point along the period of the alternating current source at which the tube is rendered conductive, the tube being extinguished by a decrease of the alternating voltage at one of the electrodes, whereby a pulse is produced having a substantially vertical leading edge, means to differentiate the pulse to produce a pulsation of short duration substantially coincident with said leading edge, means including a transformer and condenser arrangement to supply alternating current energy from said source of alternating current, and control means coupled to said last named means operative in response to said pulsation to conduct said alternating current energy for production of a high potential pulse.

2,425,000
APPARATUS FOR AUTOMATICALLY CONTROLLING PRESSURE AND TEMPERATURE WITHIN AIRCRAFT CABINS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application March 27, 1943, Serial No. 480,828
27 Claims. (Cl. 98—1.5)

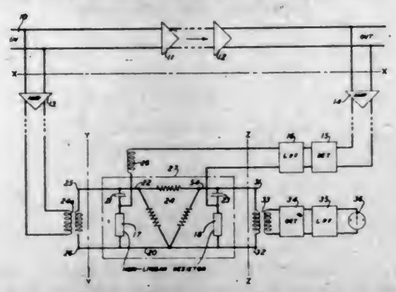


24. In a cabin temperature controlling system, in combination, a cabin, a supercharger, means for connecting the supercharger discharge to said cabin, a valve movable to impose a variable back pressure on said supercharger, pressure responsive means having oppositely directed pressure areas for controlling the position of said valve and operative when the pressures on said areas are equal to close said valve, means for subjecting one of said pressure areas continuously to the pressure conditions in said discharge connection, means for connecting an opposite pressure area in restricted communication with said discharge connection, passage means for connecting said last mentioned pressure area in communication with the exterior of said cabin, a plurality of valves for controlling the flow or fluid through said passage means, means responsive to the temperatures in said cabin for controlling one of said last mentioned valves, and means responsive to the pressures in said discharge connection and at the exterior of said cabin for controlling another of said last mentioned valves.

2,425,001
WINTERIZING VEGETABLE OILS
Fremont P. Parkin and George N. Walker, Minneapolis, Minn., assignors to Minnesota Linseed Oil Paint Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application October 11, 1943, Serial No. 505,816
9 Claims. (Cl. 260—428)

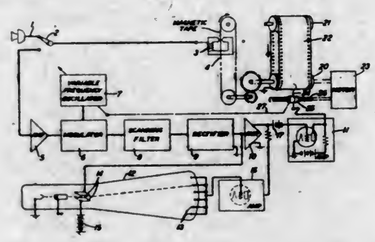
1. The process of purifying natural, vegetable oils for simultaneously removing the hydrophilic and waxy components thereof which comprises pre-chilling the oil to a temperature below 60° F. for a period sufficient to cause a cloudy precipitate to form therein when a sample of the oil is permitted to resume a normal temperature, maintaining the thus chilled oil at a temperature sufficiently low so that the cloudy precipitate does not redissolve in the oil, thereafter adding ½ to 5% of water to the oil, thoroughly admixing the oil and water and centrifuging the oil to separate the resultant sludge.

2,425,002
ELECTRICAL APPARATUS
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1944, Serial No. 544,094
6 Claims. (Cl. 179—175.31)



1. In combination in apparatus for continuously indicating the gain of a signal transmission line in terms of the ratio of the amplitudes of the signal voltages effective at two spaced points on said line, variable attenuating means comprising an input and an output terminal pair and resistance means having a preselected resistance versus current characteristic for controlling the effect of said attenuating means, means for supplying a portion of an electrical signal voltage effective at one point on said line to said input terminal pair, means for utilizing a portion of the signal voltage effective at the second point on said line for varyingly energizing said resistance means and thereby varying the effect of said attenuating means, and means connected to said output terminal pair for continuously indicating the gain between the one and second points on said line in terms of the ratio of the amplitude of the signal voltage effective at the one point to the amplitude of the signal voltage effective at the second point.

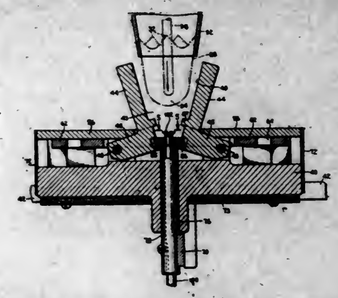
2,425,003
ANALYSIS AND REPRESENTATION OF COMPLEX WAVES
Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 23, 1944, Serial No. 569,557
9 Claims. (Cl. 179—1)



1. A system for translating complex waves into a visual representation comprising frequency analyzer means operative on said waves for deriving from each component frequency band an effect individual thereto that varies in value in accordance with the variations in the power content of the respectively corresponding band, means controlled by the said varying derived effect for distinguishing a multiplicity of predetermined ranges of the value of said effect, marking stylus means for systematically following a multiplicity of collateral paths across a surface on which the representation is to appear, each of said paths being individual to a corresponding component frequency band, and means responsive to said controlled means and operative on said stylus means for depicting in each said path the transition, from one of said ranges to another, of the value of the effect derived from the frequency band corresponding to each said path.

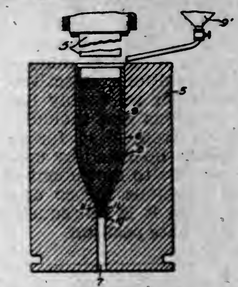
2,425,004
METHOD OF AND MACHINE FOR MAKING TAMPONS
William H. Rabell, Fitchburg, Mass.
Application June 2, 1942, Serial No. 445,519
27 Claims. (Cl. 18—5)

23. A machine for making tampons from sheet-like material comprising means to purse and fold together the portion of the material which surrounds the central portion, a plurality of segments arranged circumferentially to confine said material in pursed form, blades extending lengthwise of the pursed material and movable radially between said segments to compress the material along lines spaced at points around the periphery



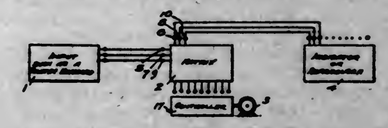
thereof, and means for heating said segments and said blades.

2,425,005
METHOD OF MAKING INCENDIARY BULLETS
Ernest R. Rechel, Huntingdon Valley, Pa.
Application October 16, 1941, Serial No. 415,245
5 Claims. (Cl. 86—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of making an incendiary bullet comprising the steps of placing a bullet jacket in a mold which supports all of said jacket except the tip thereof, filling said jacket with an incendiary composition, applying pressure to said composition sufficient to compact the same and cause a partial extrusion of the unsupported jacket tip, and removing the extruded section of the tip whereby said composition is exposed.

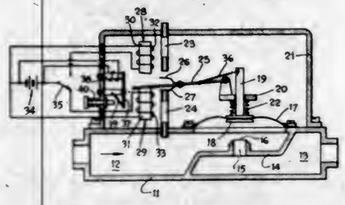
2,425,006
CRYPTOGRAPHIC MACHINE
Leo Rosen, United States Army, Arlington County, Va.
Application January 12, 1944, Serial No. 517,981
5 Claims. (Cl. 35—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a ciphering machine having a plurality of inputs and outputs; a plurality of circuit-makers-and-breakers each adapted to control the connections between one of said inputs and one

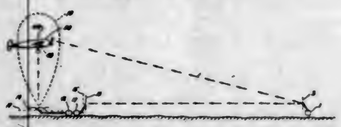
of said outputs, there being a sufficient number of said circuit-makers-and-breakers to connect each of said inputs to each of said outputs, a plurality of photoelectric cells each connected to one of said circuit-makers-and-breakers so as to control the flow of electricity therethrough when said photoelectric cell is activated, and cyclically operating means controlling the activation of said photoelectric cells.

2,425,007
MOTOR CONTROL MEANS
John H. Rouse, Los Angeles, Calif.
Application January 11, 1945, Serial No. 572,399
12 Claims. (Cl. 121—38)



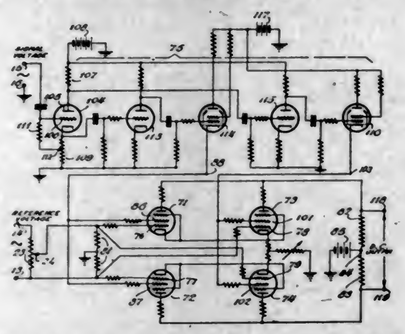
1. In a control system: a motor, a member movable between alternate positions by said motor, an element movable between alternate positions for so controlling operation of the motor that movement of the element to its positions effects movement of said member to corresponding ones of its positions, selectively controllable magnetic means for releasably holding the element in its positions and including a source of energy separate from that for operating said motor, and means operated by movement of the member in response to movement of the element to one of its positions for so conditioning the element that when it is subsequently released it moves to its alternate position.

2,425,008
RADIO NAVIGATIONAL APPARATUS
George T. Royden, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 3, 1944, Serial No. 520,856
13 Claims. (Cl. 250—11)



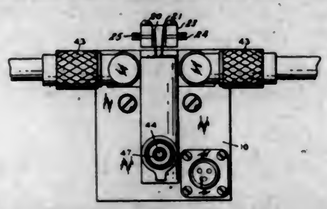
1. Combination radio localizer and marker beacon system, including a prime transmitter for sending out signals constituting a direction localizer beam, whereby a moving receiver may be oriented, a relay transmitter located at a point distant from said prime transmitter, along the path defined by said localizer beam, transmission means coupling said relay transmitter to said prime transmitter and arranged so that the signals radiated from said prime transmitter will have a predetermined time relation to those radiated from said relay transmitter, said relay transmitter being arranged to re-radiate said localizer beam signals in a marker beacon pattern across the path defined by said localizer beam whereby said receiver can receive said re-radiated beam signal when within said beacon pattern area.

2,425,009
PHASE-SENSITIVE DETECTOR
James E. Shepherd, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 29, 1943, Serial No. 492,730
4 Claims. (Cl. 172—245)



1. A phase-responsive system comprising, in combination, first and second pairs of input terminals, first and second pairs of current controlling devices, each device having a first and a second control element, the pairs of first elements being connected in push-pull but with opposite input polarities to one of said pairs of input terminals, a phase splitter coupled to the other of said pairs of input terminals, opposite phase output connections from said phase splitter, means for coupling one of said output connections to the second control elements of said first pair of current controlling devices in parallel, and means for coupling the second output connection of said phase-splitting means to the second control elements of said second pair of current controlling devices in parallel, said pairs of current controlling devices having parallel load circuits, whereby the load current varies in magnitude and polarity with variations in phase relationship between voltages applied to the input terminals.

2,425,010
COAXIAL SWITCH
Henry R. Smith, Dayton, Ohio, assignor to the United States of America, as represented by the Secretary of War
Application July 5, 1945, Serial No. 603,393
3 Claims. (Cl. 200—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



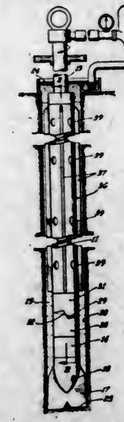
1. A high radio frequency switch comprising a bored and chambered housing, the bored sections extending horizontally and vertically in intersecting T fashion, a pair of tubular dielectric members one of said dielectric members occupying the horizontal bored section, and the other occupying the vertical bored section, a pair of stationary switch contact members oppositely and centrally disposed in spaced relation within said horizontal

dielectric member, and a double throw switch pole member centrally disposed within said vertical dielectric member, said switch pole being provided with a pair of spaced resilient extensions forming a bifurcated pole contacting said stationary contacts whereby each leg may be alternately separated from its respective stationary contact to provide overlap switching between said contacts.

2,425,011
MIRROR PROTECTIVE COATING
James H. Smith, Vallejo, Calif.
No Drawing. Application June 30, 1945, Serial No. 602,651
3 Claims. (Cl. 117—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

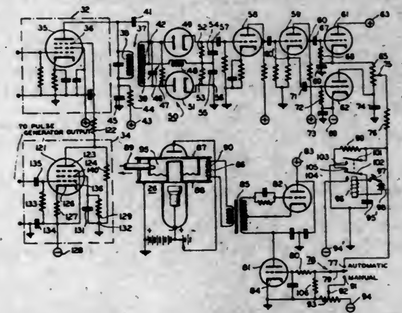
3. As a new article of manufacture, a mirror having firmly joined to the rear portion thereof a protective coating formed by applying thereto a liquid composition comprising from about 15 to 20 per cent chlorinated rubber, from about 2 to about 5 per cent of a plasticizing ingredient for said chlorinated rubber, and from about 13 to about 20 per cent bone black, the balance of the composition comprising a solvent for said chlorinated rubber, said composition being dried on said rear mirror portion to form said coating.

2,425,012
IMPACT DRILL
Robert E. Snyder, Pasadena, Calif., assignor to Snyder Oil Tool Corporation, a corporation of California
Application March 20, 1944, Serial No. 527,179
34 Claims. (Cl. 255—27)



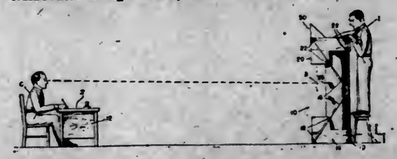
1. A combination rotary and impact drill having impact means adapted to be operated by rotation of said drill in a fluid, comprising a rotatable shank, a bit mounted upon said shank, means for attaching said shank to a rotating means, a body revolubly mounted upon said shank, means between said body and said shank for maintaining coaxial relation therebetween, cam means interposed between said body and said shank for imparting reciprocatory motion to said body with respect to said shank when rotation therebetween occurs, said cam means comprising a cam on said shank and a cam on said body, and means associated with said body extending into and engaging said fluid to retard rotation of said body when said drill is rotated in said fluid whereby said body cam reciprocates and impacts upon said shank cam to deliver impact to said bit.

2,425,013
FREQUENCY CONTROL SYSTEM
Carl C. Stotz, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application April 7, 1944, Serial No. 529,981
12 Claims. (Cl. 250—1.66)



1. Apparatus for producing electrical oscillations at a frequency of a predetermined difference from the frequency of oscillations of a generator of periodic short-duration pulses of radio-frequency oscillations separated by relatively long time intervals, comprising an adjustable radio-frequency oscillator, a mixer coupled to said oscillator to receive energy therefrom and also adapted to receive energy from said generator during said pulses to produce a heterodyne signal, a frequency discriminator coupled to said mixer for providing output potential pulses of magnitude and polarity dependent on the frequency of said heterodyne signal, amplifying means coupled to said discriminator and adapted to amplify alternating current components of said output potential pulses preferentially to direct current components thereof, balanced detector means coupled to said amplifying means and adapted to produce a substantially direct output potential of intensity dependent on the intensity of said discriminator output potential pulses, and tuning means responsive to said balanced detector direct output potential for adjusting the frequency of said oscillator to suppress frequency variations of said heterodyne signal.

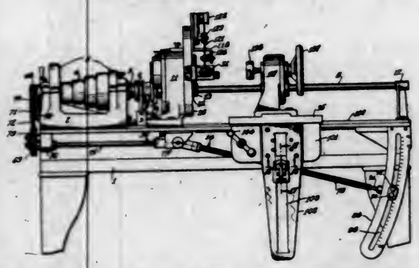
2,425,014
DEPTH PERCEPTION APPARATUS WITH MEANS FOR DROPPING TARGET ELEMENTS AT DIFFERENT DISTANCES FROM THE OBSERVER
Eleroy Leonard Stromberg, United States Navy
Application August 19, 1944, Serial No. 550,293
3 Claims. (Cl. 88—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for use in testing the ability of an individual to determine the spatial position in depth of an object dropped through space for observation, comprising a vertical wall having a substantially non-reflecting surface, a horizontal wall mounted adjacent the upper end of the ver-

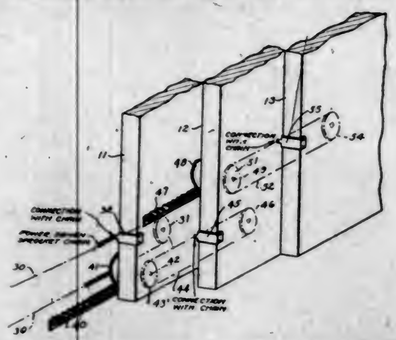
tical wall and extending forwardly thereof, said horizontal wall having a plurality of holes therein disposed in a predetermined pattern at different spatial locations relative to the vertical wall and at different distance therefrom through which objects may be dropped from a position near the top of the wall downwardly in front of the non-reflecting surface, a light source mounted in a position to direct light toward said non-reflecting surface, means for shielding said source of light except for the rays directed toward the non-reflecting surface, and means for receiving the objects dropped through the holes in said horizontal wall.

2,425,015
GRID WINDING MACHINE
Victor H. Van Sant, Westfield, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 27, 1942, Serial No. 463,569
12 Claims. (Cl. 153—64)



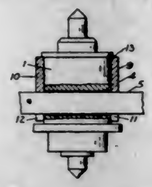
I. In a machine of the class described, the combination of a headstock and tailstock having a work-piece mounted thereon, means for producing relative rectilinear travel between said headstock and tailstock to vary the distance therebetween as a fabricating operation is performed on said work-piece, said means including an actuating element disposed at an angle to the line of said relative rectilinear travel, and means for varying said angle to produce corresponding variation in the rate of said relative rectilinear travel.

2,425,016
HANGAR DOOR OPERATING MECHANISM
Edgar R. Weaver, Dayton, Ohio
Application December 19, 1944, Serial No. 568,909
5 Claims. (Cl. 268—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



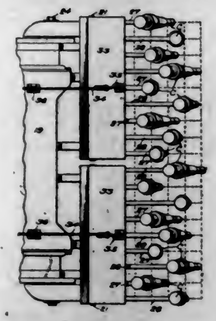
1. A door including a pair of disalined leaves slidable in their planes between doorway-opening positions in overlying retracted relationship to each other and doorway-closing positions in projected relationship to each other, a fixed rack, a pinion on one of said leaves engaged with said rack, a sprocket wheel fixed with respect to said pinion for rotation therewith, an idler sprocket wheel on the same leaf, an endless chain engaged with said sprocket wheels, and a connection between said chain and said second mentioned leaf whereby said leaves are shifted between retracted and projected positions relative to each other by shifting of either leaf between doorway-opening and doorway-closing positions.

2,425,017
ATTACHMENT OF HAIR SPRINGS TO ARBORS
Ralph Roth Wentz, Brooklyn, N. Y.
Application December 27, 1938, Serial No. 247,919
3 Claims. (Cl. 58—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



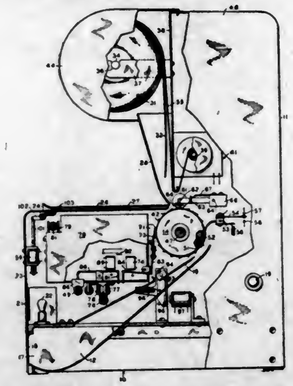
1. In an escapement arbor assembly in combination, an escapement arbor adapted to be mounted for oscillation, provided with an opening passing therethrough transversely of and intersecting the axis of the arbor, an elongated hair spring passing through said opening lengthwise and means securing the hair spring to said arbor comprising a saddle having spaced legs provided with aligned slots engaging the spring on opposite sides of the arbor.

2,425,018
LAND MINE EXPLODER DEVICE
Allison R. Williams, Yazoo City, Miss.
Application January 21, 1944, Serial No. 519,142
6 Claims. (Cl. 262—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



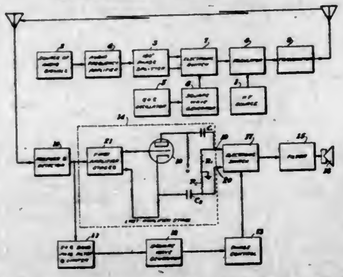
1. The combination with a propelling vehicle of a compacting device comprising a frame, a chambered body mounted upon said frame, a ground engaging foot of wear resistant material associated with said chambered body and telescoping therewith, and combined hydraulic and pneumatic energy absorbing means mounted in said body and arranged to oppose relative movement between said foot and said body.

2,425,019
SYSTEM AND APPARATUS FOR FACSIMILE TELEGRAPHY
Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 4, 1942, Serial No. 437,719
8 Claims. (Cl. 178—6.6)



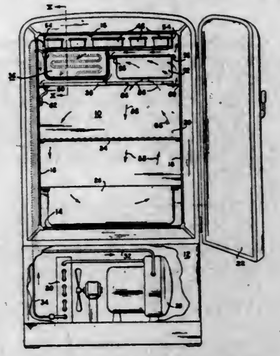
1. A facsimile telegraph system including a communication circuit, a plurality of out-station facsimile transmitter-recorders connected to said circuit, a selector associated with each out-station transmitter-recorder for initiating operation thereof and connecting the same to said circuit, a central office facsimile transmitter-recorder connected to said circuit for selective connection with any one of said out-station transmitter-recorders, each of said selector mechanisms being responsive to an associate electrical characteristic of said circuit for initiating operation of its associated transmitter-recorder, and means at each out-station transmitter-recorder for initiating operation thereof independently of its selector mechanism.

2,425,020
INTERFERENCE REDUCING RADIO SYSTEM
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 16, 1943, Serial No. 483,360
12 Claims. (Cl. 250—6)



1. In a radio circuit adapted to operate with an audio-frequency signal wave having periods of normally recurring phase reversal, the method which comprises deriving from said signal wave a control variation synchronized with said periods of normal phase reversal, and controlling the modification of said signal wave by said variation during said periods.

2,425,021
REFRIGERATION APPARATUS
William B. Anderson, Detroit, Mich., and Arthur W. Haley, Longmeadow, and Anthony H. Kelly, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 10, 1944, Serial No. 525,908
7 Claims. (Cl. 62—103)

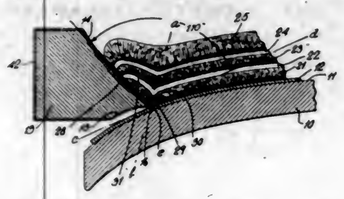


1. In a refrigerator, a food compartment, an evaporator for cooling said compartment, comprising a flat horizontal shelf spaced from the top wall of said food compartment and extending to within a short distance of the walls of said food compartment and a wall structure including a bottom wall, a rear wall and side walls coacting with the underside of a portion of said shelf to form a freezing compartment, means for supporting said evaporator in position, a tray for receiving water resulting from defrosting of said evaporator, means for supporting said tray in position, a pan, means for supporting said pan beneath the remaining portion of said shelf and alongside said freezing compartment, and means for effecting flow of refrigerant through said evaporator, the outer peripheries of said freezing compartment, said pan and said tray extending to within a short distance from the walls of said compartment, and said tray being slightly spaced from the bottom of said evaporator and said pan being slightly spaced from the corresponding portion of said shelf.

2,425,022
REFLECTOR AND METHOD FOR FORMING SAME
Siegfried G. Bart, Essex Fells, N. J.
Application November 18, 1943, Serial No. 510,767
4 Claims. (Cl. 88—105)

1. In the art of forming a reflector having a multiple layered body portion outlined by an annular reinforcing ring whose inner face forms an angle of about 110 degrees with the reflective surface of the body portion and which body portion is electrolytically welded at its perimeter to said inner face, the method which consists in laying the ring on a mold surface, subjecting the assembly thus formed to the action of an

electrolytic bath containing copper and depositing a thin layer of copper across the portion of the mold outlined by the ring, and across at least a portion of the inner face of the ring, continuing the operation until a copper layer of about 0.007 inch in thickness is formed, subjecting the assembly with its initial copper layer to the action of an electrolytic bath containing



nickel and depositing a thin layer of nickel electrolytically welded to the initial copper layer and continuing the operation until a nickel layer about 0.0005 inch is formed, and repeating these two metallic depositing operations alternatingly depositing thin layers of copper and nickel until the desired thickness of material is formed on the body portion.

2,425,023

SHELLAC COATING COMPOSITIONS

Henry Hall Bassford, Jr., Cranford, N. J., assignor to U. S. Shellac Importers Association, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 25, 1943, Serial No. 488,399
3 Claims. (Cl. 106—237)

1. A clear aqueous shellac varnish capable of yielding permanently flexible, water-resistant films on air-drying, comprising one equivalent of shellac, less than one equivalent of a volatile or volatilizable alkali, a mixture of aliphatic alcohols, one of which is butyl alcohol or other alcohol boiling above 100 deg. C., and a second one of which is an alcohol boiling substantially below 100 deg. C. and which is in about the same proportions as the butyl alcohol and a water-insoluble but alcohol-soluble plasticizer, and water.

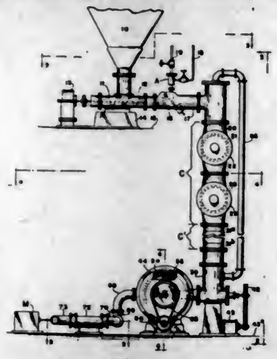
2,425,024

APPARATUS FOR PRODUCING PULP FROM CELLULOSIC MATERIAL

James Brookes Beveridge, Westmount, Quebec, Canada, Richard Dunlap Kehoe, Hadlyme, Conn., and Alphonse Surino, Bronxville, N. Y., assignors to Paper and Industrial Appliances, Inc., New York, N. Y., a corporation of New York

Application November 21, 1942, Serial No. 466,410
1 Claim. (Cl. 92—6)

Apparatus for the preparation of defibrated cellulosic fibers which comprises a closed treatment chamber, means for continually feeding cellulosic material thereinto, means for continually supplying steam to the chamber for maintaining therein an ever-changing vapor body comprising steam having a temperature above 212° F. and super-atmospheric pressure adapted for conditioning said material in said vapor body for defibration, a refiner having a casing provided with an inlet for passing the so-conditioned material from said chamber to the refiner and whereby the casing communicates with the chamber while being subject to such temperature and pressure, refiner discs face to face in said casing and rotatable with respect to one another with a clearance between the faces through which such material is impelled by the vapor escaping therethrough from the chamber, outlet means associated with the casing through which defibrated material is substantially continually emitted in suspension in the escaping vapor, conveyor means for mechanically controlling the rate of feed of the material from the chamber to the refiner discs, and retarding means substantially independent of the clear-



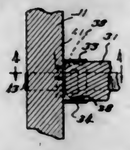
ance setting of the discs providing grooves alternating with flat lands in the face of at least one disc and having a bend in the direction of the rotation of the disc for retarding the transit of the material relative to the flow rate of the escaping vapor so that a sufficient quantity of such material is detained sufficiently between the discs to have a defibrating action on itself within said clearance while minimizing the deterioration of fiber length.

2,425,025

STEPLADDER CONSTRUCTION

Earl D. Boisselier, Glenn Ellyn, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application February 15, 1945, Serial No. 578,035
2 Claims. (Cl. 228—58)



1. An article of manufacture comprising an end cap for step ladder treads formed of a single sheet of material affording side and end portions bent over from a main panel portion, corner brace reinforcement flutes integral with said side and main portions and pierced extruding projections extending from said cap panels for entering a step ladder stile during assembly pressure.

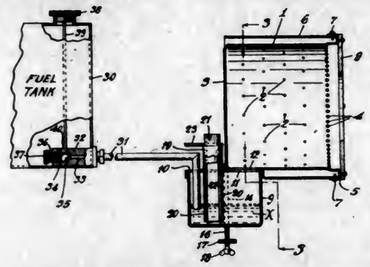
2,425,026

BURNER WITH DETACHABLE GENERATOR CHAMBER

James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application January 13, 1944, Serial No. 518,048
3 Claims. (Cl. 158—91)

1. In a liquid fuel burner, a horizontally axised burner pot having a circumferential side wall, a closed end wall and an open end, said circumferential side wall having therein a purality of primary air inlet apertures spaced circumferentially thereabout and located at various distances from the ends of the pot, secondary air inlet means located adjacent the open end of the pot, said circumferential side wall having an aperture located adjacent the closed end wall of the pot,



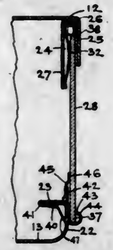
means forming a liquid fuel vaporizing chamber below said pot, the interior of the liquid fuel vaporizing chamber being in communication with the interior of said pot through said aperture, means for supplying to the interior of said vaporizing chamber a variable supply of air and means for supplying liquid fuel to the interior of said vaporizing chamber.

2,425,027

HEAT BREAKER STRIP CONSTRUCTION FOR SPACED WALL INSULATED CABINETS

Royal S. Buchanan, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application September 1, 1942, Serial No. 456,844. Divided and this application December 20, 1944, Serial No. 568,972
4 Claims. (Cl. 220—9)



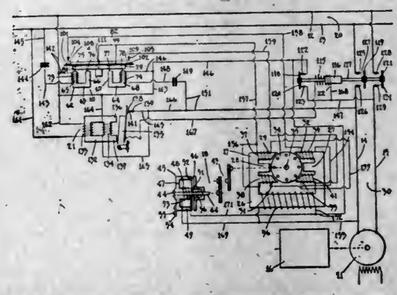
1. In a refrigerator cabinet having walls comprising an inner and an outer metal shell and thermal insulating material therebetween, said walls having an access opening therein, said inner and outer shells terminating in spaced-apart edge portions peripherally of the access opening, a flange formed on the edge portion of said inner shell, said flange having a first portion extending towards the edge portion of the outer shell and a second portion extending rearwardly at an angle to said first portion, a breaker strip closing the space between the edge portions of said shells, said breaker strip having an edge portion overlapping at least a part of said first portion of said flange and means associated with the edge portion of the outer shell for biasing said breaker strip edgewise towards the edge portion of the inner shell, the combination with said cabinet of a strip lying in part between said first portion of the flange and said edge portion of the breaker strip and contacting both the outer surface of said first portion of the flange and the inner surface of said edge portion of the breaker strip, said strip having a groove which engages the edge of said edge portion of the breaker strip, at least one clip engaging both sides of said second portion of the flange of the inner shell, an extension on said clip abutting the first portion of the flange of the inner shell, a second extension on said clip extending towards the edge portion of the outer shell, and a hook on said strip, said hook engaging the second extension of said clip to lock said clip in position on said second portion of the flange, said breaker strip being removable from its position adjacent the edge portion of the inner shell by moving it edgewise against the biasing means associated with the edge portion of the outer shell and disengaging the hook from the second extension of the clip.

2,425,028

FREQUENCY-MATCHING SYSTEM

William R. Carter, Minneapolis, Minn., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn.

Application July 1, 1944, Serial No. 543,185
16 Claims. (Cl. 171—118)



1. In a synchronizing system for connecting to an electrical system a generator driven by a prime mover having a speed-varying device, said device being provided with a movable operating member and yieldable means for normally operating the same, an electric motor for moving said operating member independently of the yieldable means, a clutch between said motor and operating member, a frequency-matching device for actuating said motor, means for connecting the generator to the system and means operable upon connection of the generator to the electrical system for disengaging said clutch to release said operating member and subject the speed-varying device to the action of the yieldable means.

2,425,029

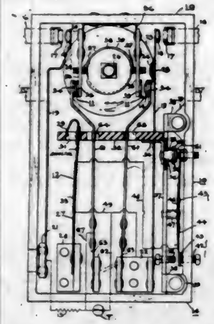
CHLORINE DERIVATIVES OF TRIMETHYL ACETONITRILE

Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 2, 1945, Serial No. 580,701
4 Claims. (Cl. 260—464)

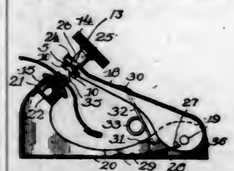
4. As a new chemical compound, a chlorine derivative of trimethyl acetonitrile taken from the group consisting of monochlor trimethyl acetonitrile, dichlor trimethyl acetonitrile, and a mixture of tetrachlor and pentachlor trimethyl acetonitrile boiling within the range 225° C. to 266° C., and having a density of approximately 1.490 at 25° C., a freezing point below —20° C., and a refractive index of approximately 1.586 at 20° C.

2,425,030
HEATING APPARATUS SWITCH
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 22, 1942, Serial No. 459,253
7 Claims. (Cl. 200—122)



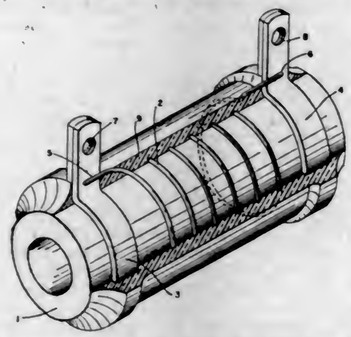
6. An electrical control device comprising first switch means for opening and closing a circuit therethrough and including first and second actuating members each of which is adapted when actuated to open said circuit, reciprocating thermal-motor means for alternately actuating said members, said thermal-motor means including reciprocating temperature-responsive means and a heater therefor, and second switch means for initiating energization of said heater when said thermal-motor means reaches one end of its travel and for initiating deenergization of said heater when said thermal-motor means reaches the other end of its travel, said thermal-motor means being operable throughout one end portion of its travel to actuate one of said members to open the first switch means and throughout the other end portion of its travel to actuate the other member to open said first switch means, said first switch means being closed only during a central portion of the travel of said thermal-motor means.

2,425,031
FASTENING APPARATUS
William E. De Wald, Chicago, Ill.
Original application October 16, 1941, Serial No. 415,168. Divided and this application April 1, 1944, Serial No. 529,053
4 Claims. (Cl. 218—21)



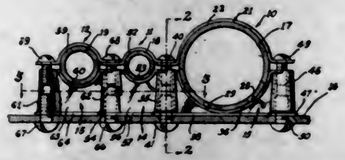
1. In a device for securing together a plurality of parts with twisted wire staples which parts when the securing operation is completed present on one side of one of the parts a closely compacted head of twisted wire free of any outwardly projecting wire ends that would catch on extraneous objects, a twisting head having in its operative face a plurality of laterally extending grooves opening into a cavity formed in the central portion of said face, said cavity having a closed inner end and being of a total depth from said face only slightly greater than the depth of the grooves, said operative face being intended to bear against the adjacent one of said plurality of parts during the twisting operation and the free ends of the wire staples moving inwardly along the trailing side walls of the notches into the cavity, the closed end and side walls of the cavity under pressure exerted on the twisting head as the latter rotates forming the wire ends into a compact rounded head free of outwardly projecting wire ends, the projections defining the side walls of the grooves being each undercut on each side to positively pick up the wires and guide them inwardly into the cavity when the twisting head is rotated in either direction.

2,425,032
ENAMEL FOR RESISTORS
Alden J. Deyrup, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 24, 1944, Serial No. 551,041
12 Claims. (Cl. 106—49)



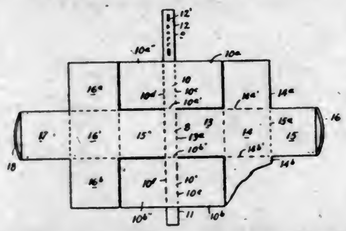
1. A vitreous enamel composition suitable for use in enameling electrical resistors which comprises: lead oxide in amounts ranging from 28 to 55%; silica in amounts ranging from 11 to 32%; zinc oxide in amounts ranging from 5 to 20%; alumina in amounts ranging from 4 to 10%; and boric oxide in amounts ranging from 10 to 30%; said enamel containing less than that amount of alkali metal oxide chemically equivalent to 1% sodium oxide and less than that amount of fluorine compound equivalent to .5% of fluorine; said percentages being by weight based on the total weight of said vitreous enamel.

2,425,033
CLAMPING DEVICE
Wendell S. Fletcher, South Pasadena, Calif.
Application June 6, 1944, Serial No. 538,939
10 Claims. (Cl. 248—68)



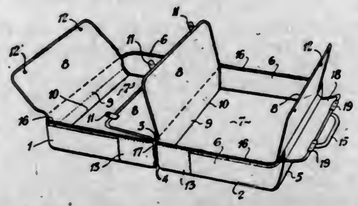
1. As an article of manufacture, a clamping means having connected to one end a first supporting post, and having connected to its other end a second supporting post, the second post having a chamber therein of the same shape and size as the external configuration of said first post.

2,425,034
VARIABLE CAPACITY FOLDING BOX
Jacob Fuehrer, Moodus, Conn.
Application June 8, 1944, Serial No. 539,308
2 Claims. (Cl. 229—41)



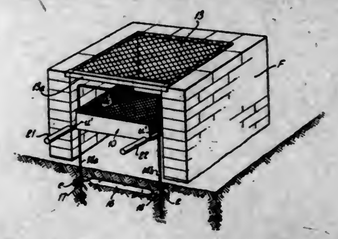
1. A box made from one sheet of cardboard which is cut and provided with fold lines so as to form a central section, a right hand end section, and a left hand end section, said center section including a bottom panel, a rear wall panel, a front wall panel; said right hand section having a bottom panel extending from one side of the center bottom panel, an end panel, a top panel, and front and rear panels extending from opposite sides of said end panel, said front and rear panels having end margins extending as far as the plane of the adjacent edge portions of said center section; said left hand section having a bottom panel extending from the opposite side of the center bottom panel, an end panel, a top panel, and front and rear panels extending from opposite sides of said end panel, said front and rear panels having end margins extending as far as the plane of the adjacent opposite edge portions of said center section; right and left rear panels extending from the rear wall central panel and reinforcing the rear right and left panels of said end section; right and left front panels extending from the front central wall panel and reinforcing the front panels of the right and left end sections; a flap extending from the top of said center section front panel, and a flap extending from the top of said center section rear panel and reinforcing the first mentioned flap, said flaps forming a top cover for said central section.

2,425,035
COLLAPSIBLE TRAVEL CASE
Arthur Thomas Garnett and Ernest Edward Langford, London, England
Application September 5, 1945, Serial No. 614,453
In Great Britain September 20, 1944
2 Claims. (Cl. 190—43)



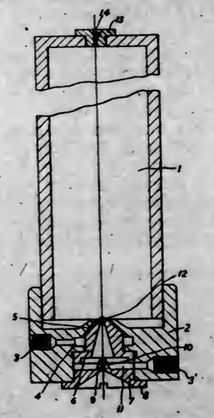
1. A collapsible travel case comprising a flexible cover of waterproof material folded along a lower centre line so as to form two halves to the case, each half being hinged along one edge so that the open portion of the two halves fold towards each other, hinged flaps mounted in the two halves and acting to distend and erect them and means for securing the edges of the two halves together when erected and in use, twin straps extending round and under the case, a carrying handle secured to the upper ends of the straps, said edge securing means comprising a slidable clasp fastening extending round the joint between the edges of the two halves of the case, a flap adapted to fold over the meeting joint in the upper part of the case and locks and hasps for securing the flap in position thereover.

2,425,036
FIRE TRAY ASSEMBLY SUPPORT
Harold Howe, Rowayton, Conn.
Application February 28, 1945, Serial No. 580,143
5 Claims. (Cl. 248—156)



1. A fire tray assembly comprising a U-shaped member adapted to be inserted in the earth to provide support means for a tray, and a tray having means thereon adapted to co-act with said support means to position said tray on said support means in any one of a number of different horizontal planes, and a spacing member adapted to extend between the arms of said U-shaped member and to maintain them in spaced relation.

2,425,037
FLUID TREATING APPARATUS FOR YARNS
Thomas Jackson and Frank Brentnall Hill, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
Application July 17, 1943, Serial No. 495,095
In Great Britain July 11, 1942
2 Claims. (Cl. 68—5)



1. Apparatus for the treatment of yarns and similar materials with fluids during their passage from one point to another, which comprises a substantially closed treatment chamber, an inlet for the materials and opposite thereto an outlet for the materials, said inlet comprising an outer member provided with a passage way for

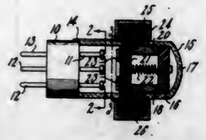
fluid and an inner member provided with an orifice for the passage of the materials, said inner and outer members being so shaped and spaced as to provide a truncated-conical annular passage between them communicating with the said passage way in the outer member and with its narrow end issuing into the treatment chamber, said truncated-conical passage being adapted to feed fluid directly into the treatment chamber around the said orifice and in the general direction of travel of the materials and thereby, in the absence from the apparatus of the materials, to induce a current of fluid through the said orifice so as to facilitate threading of the materials into the apparatus, said inner member comprising a passage way for fluid feeding into a substantially conical cavity provided at its broader end with an orifice for the entry of the materials into the cavity and at its narrower end with an orifice for the passage of the materials from the cavity into the treatment chamber, the said orifices having a cross section not substantially greater than that of the materials.

2,425,038

SAFETY SWITCH DEVICE

William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois

Application September 27, 1943, Serial No. 503,871
20 Claims. (Cl. 200—111)



1. A circuit controller comprising, in combination a sealed chamber having a section of magnetic material and a section of non-magnetic material; sets of spaced electrical contacts fixedly mounted in said chamber; a core of magnetic material movable longitudinally of said chamber with respect to said electrical contacts; means urging said core away from said contacts; circuit closing means secured to said core and arranged to cooperate with said sets of contacts to electrically connect the contact of each set; a magnetizing winding mounted on said chamber in alignment with one of said sections and operative, when energized, to move said core toward said contacts; and an annular housing of magnetic material enclosing said winding and extending longitudinally beyond said one section in both directions; said circuit closing means engaging said contacts when said core is aligned with said one section; said magnetic housing and said one section cooperatively effecting such alignment of said core.

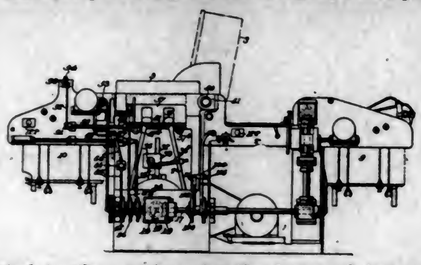
2,425,039

SHEET CUTTING AND CREASING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application August 25, 1944, Serial No. 551,098
36 Claims. (Cl. 164—21)

1. In a sheet cutting and creasing press, a sheet supply, upper and lower platens, means for periodically moving the lower platen into coaction with the upper platen to cut and crease successive sheets, a carriage, means for reciprocating it in a straight line, devices on said carriage operable to take a new sheet from the sheet supply and feed it in to the press, and other devices on the carriage operable at the same time to take the preceding cut and creased sheet pre-



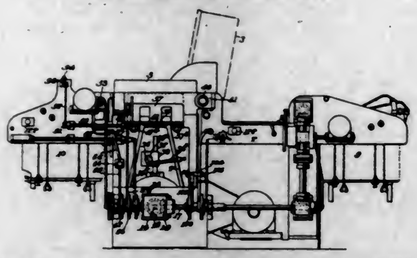
sented to the carriage by the lower platen and to convey the sheet to its delivery point and then release the sheet.

2,425,040

SHEET CUTTING AND CREASING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Original application August 25, 1944, Serial No. 551,098. Divided and this application May 16, 1945, Serial No. 594,101
11 Claims. (Cl. 164—19)



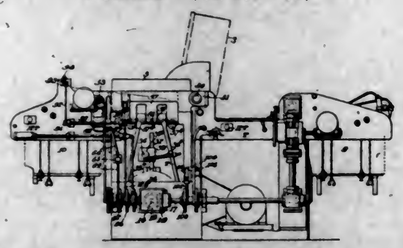
1. In a sheet cutting and creasing press, a frame, an upper platen hinged and releasably locked to the frame, a movable lower platen for periodic coaction with the upper platen to cut and crease successive sheets, means for unlocking the upper platen, and means for swinging the unlocked platen to an open position.

2,425,041

SHEET CUTTING AND CREASING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Original application August 25, 1944, Serial No. 551,098. Divided and this application May 17, 1945, Serial No. 594,333
2 Claims. (Cl. 164—21)



1. In a sheet cutting and creasing press, a press frame, upper and lower platens, means for

periodically moving the lower platen into cutting and creasing coaction with the upper platen, a sheet handling carriage, means for reciprocating it forwardly and rearwardly in a right line, and means for preventing backlash of the carriage at the ends of its forward and backward strokes, said means including rollers on the carriage, and spring pressed yielding cams on the press frame for engagement by said carriage rollers.

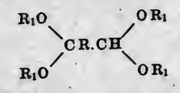
2,425,042

GLYCOL DIETHERS

Raymond W. McNamee, South Charleston, W. Va., and Louis G. MacDowell, Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 1, 1943, Serial No. 512,485
7 Claims. (Cl. 260—615)

1. Process for making an alkylene glycol diether which comprises heating hydrogen under pressure with an acetal compound of the structure



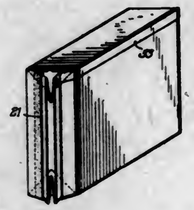
where R is a radical of the group consisting of hydrogen and methyl, and R_1 is a radical of the group consisting of alkyl, aralkyl, alkoxyalkyl and alkoxyalkenoxy and alkoxy-polyalkenoxy-alkyl, and recovering an alkylene glycol diether from the hydrogenolysis products.

2,425,043

CONTAINER

George Arlington Moore, New York, N. Y.

Original application March 3, 1943, Serial No. 477,821. Divided and this application February 12, 1945, Serial No. 577,375
7 Claims. (Cl. 229—14)



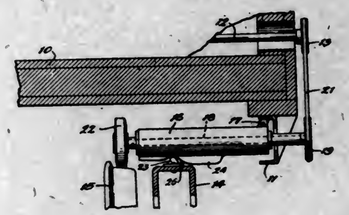
1. A tubular body formation adapted to be erected into a container with hermetically sealed ends, which comprises an outer blank of reinforcing cardboard material having score lines defining side and end panels, an inner liner of laminated sheet material consisting of a heat-sealable web and a fibrous sheet, the latter being laminated to said outer blank of cardboard material and extending marginally beyond the perimeter thereof and which laminated liner and blank structure is folded upon itself with the web innermost, said inner liner extending beyond the free edges of the perimeter of said folded reinforcing cardboard material, and portions of the extensions being sealed together where they overlie each other between the ends of the tube to provide a longitudinal seam for said tube, said sealed extensions projecting beyond the adjacent edges of said cardboard material.

2,425,044

POWER TAKE-OFF

Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois

Application April 5, 1945, Serial No. 586,741
5 Claims. (Cl. 105—112)



1. A power take-off for a railway car having a car body supported on a truck carrying a rail engaging wheel comprising a support pivoted on the car body, a shaft rotatably carried by the support, power take-off means connected to the shaft, a roller on one end of the shaft to engage the upper part of the rail engaging wheel when the truck and car body are substantially alined, and cooperating means on the support and the truck to hold the support elevated about its pivot when the truck and the car body are at an angle to each other.

2,425,045

ORIENTED POLYSULFIDE POLYMERS

Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware

No Drawing. Application June 9, 1943, Serial No. 490,190
8 Claims. (Cl. 18—48)

1. Process which comprises heating a linear polysulfide polymer to a temperature of about 100° C. to 200° C., stretching the polymer under tension and cooling the polymer to a temperature substantially less than about 100° C. while maintaining it under tension; said polymer being characterized by a predominance of —SS— linkages alternating with intervening organic groups, the average statistical spacing of said —SS— linkages being from about 2.2 to about 3.6 intervening atoms.

2,425,046

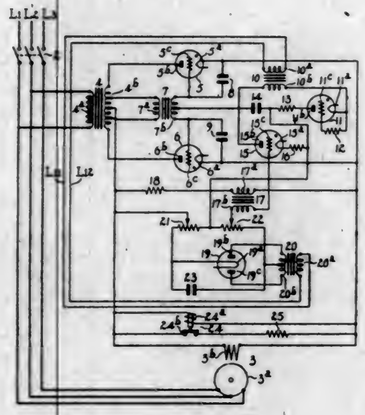
ELECTRICAL CONTACT BRUSH

Dimiter Ramadanoff, Cleveland, Ohio, assignor to National Carbon Company, Inc., a corporation of New York

No Drawing. Application May 12, 1943, Serial No. 486,745
11 Claims. (Cl. 171—325)

1. Electrical contact brush comprising a carbonaceous body containing a minor proportion of an impregnant material acting to prolong the life of such brush in operation under atmospheric conditions low in moisture and oxygen pressure, said impregnant material being composed of two components, one selected from the group consisting of polyoxyalkylene diols and their ethers, and the other comprising a member of the group consisting of aliphatic carboxylic acids containing from about eight to twenty-five carbon atoms and salts of such acids.

2,425,047
FREQUENCY RESPONSIVE CONTROL SYSTEM
James B. Reeves, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 20, 1944, Serial No. 564,356
9 Claims. (Cl. 172—289)

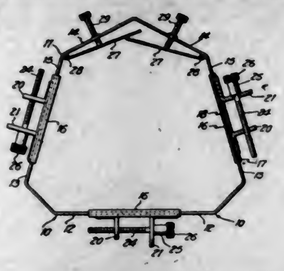


1. In a synchronous motor starter, the combination with a synchronous motor having an alternating current armature and a direct current field winding, a source of unidirectional current and means to supply alternating current to said armature to accelerate said motor and operate it at synchronous speed, of a condenser, means for supplying energy to said condenser at a given rate for a given frequency of the alternating current supply to charge said condenser, means responsive to the frequency of the voltage induced in said field winding by the alternating current in said armature to periodically discharge said condenser, and means responsive to a given potential of said condenser to connect said source of unidirectional current to said field winding, thereby to render response of said last named means dependent upon the frequency of said induced voltage.

5. In a frequency responsive system, a condenser, means responsive to a given potential of said condenser, means for periodically tending to charge said condenser to a given potential, and means affording periodic discharge of said condenser, the periodicity of said discharge decreasing as a function of a decreasing frequency of the system, thereby to render response of said first mentioned means dependent upon said frequency.

2,425,048
ADJUSTABLE FORM FOR MAKING DENTAL MODELS
Milton Schlesinger, Jamaica, N. Y.
Application June 22, 1945, Serial No. 600,989
6 Claims. (Cl. 18—34.1)

1. A device for forming dental models comprising sections arranged end to end to form a closed figure, members for connecting said ends, each of said members having its opposite edges overturned to form channels receiving the ends of said sections, said edges having tongues on their inner faces and said sections having grooves receiving said tongues and means for engaging each of said sections adjacent said members to adjust the ends



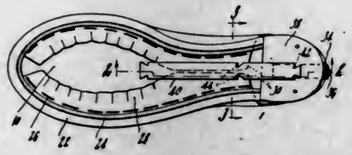
thereof towards and from each other and vary the size of said device.

2,425,049
COMBINATION PLANT STAKE AND LOCK
Terence Sheridan, Hamiota, Manitoba, Canada
Application August 23, 1944, Serial No. 550,717
1 Claim. (Cl. 47—44)



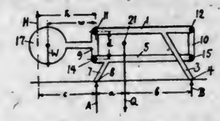
A combination plant stake and lock comprising in combination with a wire standard an eye-loop formed from the material of said standard and at the apex thereof, a rigid horizontal wire collar having an opening therein, and also formed of the wire of said standard adjacent said eye-loop, an up-turned open loop at the end of said collar, a wire locking-bar having an eye-loop at the end thereof attachable at the junction of the standard eye-loop and said collar, said locking-bar spanning the opening in said collar and engaging said open loop at the ends thereof after a plant stem has been introduced into said collar.

2,425,050
METHOD OF MAKING OPEN HEEL SHOES
Sam Smith, Durham, N. H.
Application September 20, 1945, Serial No. 617,549
4 Claims. (Cl. 12—145)



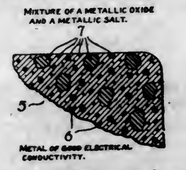
1. Steps in the art of shoe making which comprise applying an inner sole to a last, pulling over an upper having no counter but having a marginal flap of sufficient width so that the edges nearly meet at the shank, cementing said flap to the inner sole, applying a steel shank stiffener extending from the middle of the heel to the ball portion of the inner sole, said steel shank stiffener having a pair of prongs at its rear end and an intermediate pair of prongs at its side edges, and driving said intermediate prongs through said flaps near their rear end and into the inner sole.

2,425,051
CREEPING TOY
Otto Steinitz, New York, N. Y.
Application November 30, 1945, Serial No. 631,825
5 Claims. (Cl. 46—123)



1. A creeping toy comprising a movable system comprising two bodies guided relatively to each other in a substantially horizontal direction, each of said bodies having a base slidably contacting the ground, said bases forming a stable support of the toy, and means to move said bodies to and fro relatively to each other whereby each of said bases is urged in a direction opposite to that in which the other base is urged simultaneously and is urged alternatingly forward and backward relatively to the ground, said means comprising a vertically extending member connected to said system at the same side from the toy's center of gravity as one of said bases, said member being operated by a vertical manual force and moving said bodies relatively to each other, the horizontal distances of said member and of said bases from said center being so directed and measured that said force makes that base which is being urged forward less loaded than the other base.

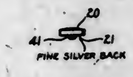
2,425,052
ELECTRICAL CONTACT MATERIALS AND CONTACTS AND METHODS OF MAKING THE SAME
Merle R. Swinehart, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 8, 1944, Serial No. 525,606
30 Claims. (Cl. 200—166)



24. A pressure molded and heat sintered electrical contact comprising a mixture of from sixty per cent to ninety-three per cent by weight of fine silver powder, a relatively smaller proportion by weight of cadmium oxide, and a still smaller proportion by weight of a metallic salt of the group consisting of silver iodide, silver bromide, silver chloride, cadmium chloride and cadmium sulphate, said cadmium oxide and said metallic salt being jointly in the form of powder densified by heat sintering, the major portion of said last mentioned powder being in the form of particles of a size greater than that which will pass through a 300 mesh screen dispersed throughout the mass of said metal which serves as a matrix therefor.

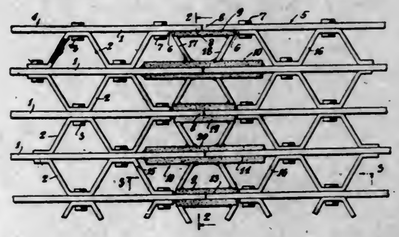
2,425,053
SILVER-BACKED NONWELDING CONTACT AND METHOD OF MAKING THE SAME
Merle R. Swinehart, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 23, 1944, Serial No. 541,837
8 Claims. (Cl. 200—166)

8. As an article of manufacture, a molded preform adapted for use in the production of an electrical contact having non-welding characteristics at its contact surface when in use, said preform consisting of a relatively thick layer composed of approximately eighty-two per cent by weight of precipitated silver powder and about eighteen per cent of a mixture of about eighty-



five per cent of cadmium oxide and about fifteen per cent of cadmium sulphate, and a relatively thin integral backing layer of fine silver composed of about eighty per cent of precipitated silver powder and about twenty per cent of crystalline silver powder.

2,425,054
GRATING
Ernest L. Tarof, Cupsaw Lake, N. J., assignor to Kerlow Steel Flooring Company, Jersey City, N. J., a corporation of New Jersey
Application August 12, 1944, Serial No. 549,149
9 Claims. (Cl. 189—82)

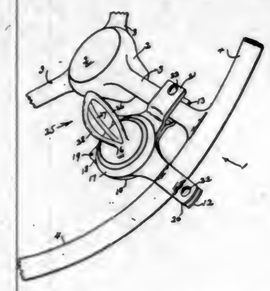


1. In a composite grating structure comprising a plurality of panels, each panel being composed of straight bars arranged parallel to each other and separated by crimped strips located one between each pair of said parallel straight bars and fastened thereto at points of contact therewith, the combination of a set of adjacent panels of the above-described form having their straight bars ending end-to-end so that respective bars of one panel are aligned with respective bars of the other panel, and the crimped strips of said panels ending short of the ends of the straight bars, a plurality of coupling members connecting said adjacent panels, each of said coupling members being between pairs of straight bars, each coupling member being secured on one side to each of aligned straight bars of adjacent panels and on its other side to each of other aligned straight bars of the same adjacent panels, each of said coupling members having parallel elements and connecting members extending between and joined to said parallel elements.

2,425,055
STEERING WHEEL DEVICE
Brice W. Taylor, Oklahoma City, Okla.
Application October 12, 1944, Serial No. 558,388
2 Claims. (Cl. 74—557)

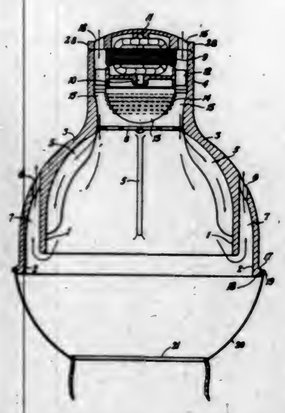
1. The combination with a vehicle steering wheel, of: a rotatable element; means for operably mounting the element upon the wheel; and an upstanding member rigidly carried by the element, said member including an upstanding loop; a rigid rib extending from the top to

the bottom of the loop, whereby the clamping portion of a mechanical "hand" may be placed



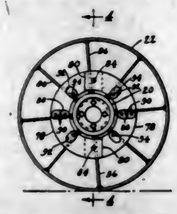
about the rib and within the loop for rotating the steering wheel.

2,425,056
ELECTRIC HAIR DRYER
Alexander Reginald Younger, Edgware, England
Application November 11, 1944, Serial No. 562,946
In Great Britain August 15, 1944
2 Claims. (Cl. 34—99)



1. In a hair dryer, the combination of a hood having an inner shell section and an outer shell section separated by an annular interspace at one end and joined to each other at the other end, a tubular extension having air inlet means on one of said sections, a fan located in said extension for drawing fresh air through said air inlet means and discharging it into said inner shell section, a heater adjacent said fan for heating the air discharged by the latter, the inner section terminating short of the outer section at the opposite end, the outer section being provided with exhaust openings for the air, air directing ribs on the inner wall of the inner section, said ribs being circumferentially spaced on the inner wall of the inner section and projecting radially inwards to a substantial extent from said wall and terminating close to the free end of the inner section, whereby the heated air circulates downwardly through the inner shell section and upwardly through said annular interspace to the exhaust openings in the outer shell section, and a screen in the inner section interposed between the heater and the ribs.

2,425,057
WEIGHT CONSTRUCTION
William L. Zink, Plano, Vernon O. Hauswirth, Kankakee, and John M. Geistwhite, Chebanse, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Original application March 16, 1939, Serial No. 259,970, now Patent No. 2,307,096, dated January 5, 1943. Divided and this application January 2, 1943, Serial No. 471,170
5 Claims. (Cl. 301—41)



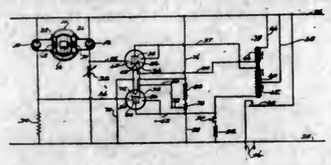
1. A weight element having uniform fundamental thickness and having alined recesses in opposite faces thereof, said recesses being separated by a partition having two spaced parallel bores therethrough communicating with said recesses, the side wall of each recess being spaced from said holes sufficiently to preclude interference of said wall with nuts on bolt shanks extending from said holes, each recess being of a depth to be capable of substantially entirely receiving such a nut when the nut is engaged with the partition, and to be capable of receiving at least one-half of the depth of the projecting bight of a J-bolt fitted in said holes, whereby two or more of said elements may be reversibly held in stacked assembly by means of one or more J-bolts without interference of the bight of any such bolt with the adjacent partition of an additional weight element coupled to the previously assembled elements.

2,425,058
MIXTURES OF TITANIUM DIOXIDE AND CALCIUM-STARCH-METABORATE AS PIGMENTS (IN PAPER AND IN PAINT)
William L. Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 5, 1945, Serial No. 614,618
2 Claims. (Cl. 106—308)

1. A pigment composition comprising an intimate mixture of titanium dioxide and calcium-starch-metaborate, the calcium-starch-metaborate being a pigment complex resulting from the precipitation of a calcium chloride reacted starch gel with sodium tetraborate, and the calcium-starch-metaborate being precipitated in the presence of the titanium dioxide.

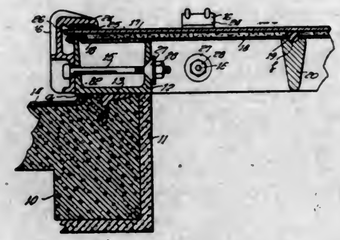
2,425,059
DETECTION OF TOXIC GASES
William F. Fagen, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 6, 1943, Serial No. 478,323
17 Claims. (Cl. 250—41.5)

4. In photosensitive detection apparatus, the combination including, a pair of photosensitive devices for providing two control voltages, both of which vary in the same manner in response to like changes in the amount of light striking the devices, a pair of electron tubes of the type having control electrodes, said electrodes being supplied with said control voltages, a differential relay including opposed windings controlled by both said tubes and operable into one position upon a predetermined change in light striking



the devices, a source of anode potential, said windings and tubes being connected across said source, and means including a switch for connecting one of said windings to said source independently of said tubes to operate said relay into another position.

2,425,060
SKYLIGHT CONSTRUCTION
Richard F. Gildehaus, Dallas, Tex.
Application September 4, 1945, Serial No. 614,301
7 Claims. (Cl. 108—16)



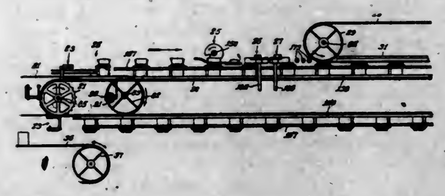
1. In a skylight construction, a channel frame embracing the perimeter of the well of said skylight defining a gutter and having means for evacuating condensed moisture onto a roof surrounding said skylight, a glass plate overlying said channel frame whose edges overreach the outer flanges of said channel, hold-down clamps adjustably secured to said flanges, adapted to overreach said glass edges and bear upon the surface of said glass, a protective frame encompassing said glass edges out of contiguity therewith, means for supporting said latter frame, means attached to said channel frame supporting the intermediate section of said glass and cushioning means interposed between said frame, supporting means and said glass and capable of collecting and transferring moisture from the edges of said glass plate into said gutter for subsequent evacuation therefrom.

2,425,061
NOISE ELIMINATOR FOR TELEPHONE TRANSMITTERS
Harry J. Hart, Baldwin Township, Allegheny County, Pa.
Application December 16, 1943, Serial No. 514,475
8 Claims. (Cl. 179—188)

5. In combination a receiver-transmitter telephone unit and a noise eliminator including a perforate sound screen applied upon the transmitter portion of said unit, said noise eliminator including a shutter movable to open and close the perforations in said screen, a spring normally urging said shutter into perforation-opening position, and means included in the noise eliminator structure for temporarily locking said shutter against spring tension in closed position.



2,425,062
CONTAINER SEALING APPARATUS
Warren C. Johnson, Cedar Rapids, Iowa, assignor, by mesne assignments, to Quaker Oats Company
Application June 26, 1943, Serial No. 492,349
6 Claims. (Cl. 93—6)

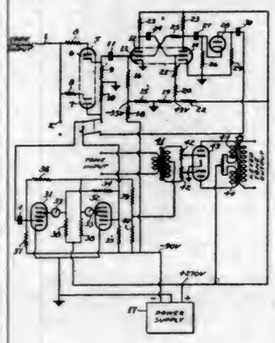


1. In a carton sealing machine including means for conveying a series of cartons in a predetermined path, means for subjecting the closure portions of said cartons to heat and pressure and means for subsequently cooling said closure portions while said cartons are moving in said path, the improvement wherein said cooling means comprises belt means adapted to exert pressure on said closure portions and means for driving said belt means in the same direction as said cartons and at a linear velocity approximating that of said cartons but sufficiently different therefrom to cause slippage between said belt means and said closure portions.

2,425,063
TELEGRAPHIC KEYING BIAS ADJUSTER
Alfred Kahn, Queens Village, N. Y., and Cuthbert N. Harris, Trenton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 10, 1945, Serial No. 577,288
7 Claims. (Cl. 178—66)

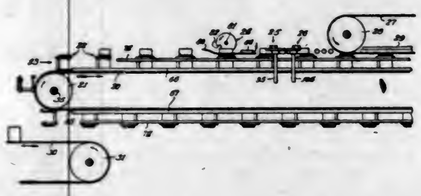
1. A keying bias adjuster for use in code signaling, comprising a circuit arrangement having a unidirectional conductor for signals of one polarity, means coupled to the output side of said conductor for producing a delayed response to said signals, a second unidirectional conductor which accepts signals of the opposite polarity, a locking circuit having two mutually interacting discharge devices and separate input and output circuits for the respective devices, means coupling one of said input circuits directly to the

output side of said second unidirectional conductor, and means for controlling the other of



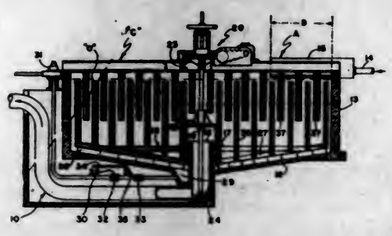
said input circuits by signals traversing said delayed response producing means.

2,425,064
CARTON SEALING APPARATUS
Douglas Kirk, Chicago, Ill., assignor, by mesne assignments, to Quaker Oats Company
Application June 26, 1943, Serial No. 492,351
1 Claim. (Cl. 93—6)



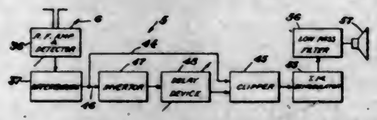
In a machine for heat sealing cartons of rectangular cross section having integral flaps on the side walls thereof adapted to be overlapped to form end closures therefor, said flaps having a coating of a thermoplastic composition thereon, the improvement which comprises, in combination, means for conveying said cartons, means for folding a first pair of opposed flaps of each carton inwardly into substantially the same plane, separate reciprocable means for folding each of the second pair of opposed flaps in overlying relation to said first pair and to each other, smoothing means arranged to contact substantially the entire exposed surfaces of said first pair of flaps and adapted to hold said first flaps in folded position during conveyance of said carton from the first-mentioned folding means to said separate folding means, means for heating said smoothing means only sufficiently to remove irregularities in the coating on said first pair of flaps, means for heating those portions of said separate folding means which contact said second pair of flaps only sufficiently to preheat said second flaps and maintain against cooling said first flaps underlying the same, and means for applying sufficient heat and pressure to substantially the entire exposed surface of the overlapped carton flaps after folding of said second flaps to cause said composition to flow into the cracks and crevices between and adjacent said flaps.

2,425,065
METHOD OF SEPARATING FLOCCULATABLE AND GRITTY SOLIDS FROM LIQUIDS
Arthur M. Kivari, Los Angeles, Calif., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application July 21, 1943, Serial No. 495,576
2 Claims. (Cl. 210—16)



1. The method of treating liquids containing flocculatable as well as gritty solids in admixed suspension, which comprises maintaining a confined ever-changing body of such liquid in such quiescence that sedimentation of gritty solids takes place and forms an ever-changing accumulation of sediment in the bottom section of the liquid body, continually feeding liquid to be treated into the liquid body substantially at the top thereof, continually removing sediment from the accumulation thereof for controlling the sediment so that its accumulation does not normally reach above a predetermined height, continually agitating liquid in a zone in the body above that accumulation at a rate to minimize rolling of the sediment but sufficient to flocculate flocculatable suspended solids in that zone, and continually withdrawing floc-bearing liquid from an elevation in that zone that is above the height normally reached by the accumulation of sediment.

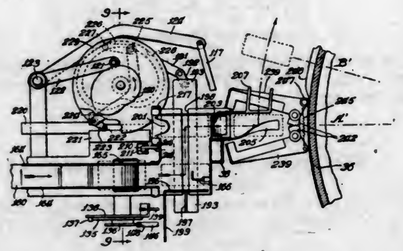
2,425,066
PULSED MULTIPLEX SYSTEM EMPLOYING DIFFERENT WIDTH AND REPETITION FREQUENCIES FOR EACH CHANNEL
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1945, Serial No. 579,723
18 Claims. (Cl. 179—15)



18. In a system for transmitting a plurality of channels of signal pulses on a common carrier over a chain of relay stations; means for adding an additional channel of intelligence to said common carrier at any desired relay point along the chain of relay stations comprising means for producing a train of signal pulses of a width and at a rate of recurrence different from the pulse widths and recurrence rates of the signal pulses of the other channels, means for modulating a carrier of a frequency substantially the same as the frequency of said common carrier, and means for transmitting said carrier for reception by at least one of said relay stations, whereby said added channel of signal pulses is relayed by said stations on said common carrier; and means at

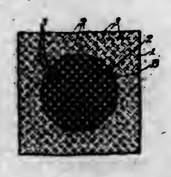
a receiving point associated with said chain of relay stations for receiving the carrier wave transmitted by said relay stations, means for translating the carrier wave into pulses corresponding to the pulse envelope shapes of said carrier, and means for selectively obtaining from the pulse wave pulse energy corresponding to the signal pulses of a desired channel to the exclusion of the other signal pulses.

2,425,067
APPARATUS FOR SEALING CONTAINERS
Roy E. Lowey, Evanston, and John L. Ferguson, Joliet, Ill., assignors, by direct and mesne assignments, to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application August 1, 1942, Serial No. 453,286
4 Claims. (Cl. 93—7)



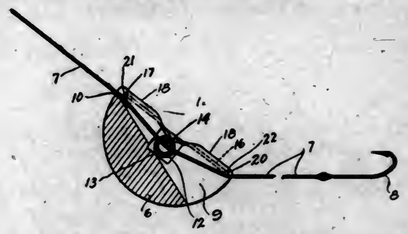
1. Apparatus for top-sealing cartons having a thermoplastic sealing compound on the top closure flaps thereof comprising a plurality of carton-receiving stations, means for moving said stations intermittently in a closed path with intervening periods of dwell at predetermined positions, and means for successively introducing cartons into and removing cartons from said stations at certain ones of said positions, each of said stations including means for embracing a carton adjacent the upper edges thereof, means for sealing said top flaps including a heated plate adapted to be lowered into contact with substantially the entire top surface of said carton, and a depressed portion in said embracing means adapted to receive such excess sealing compound as may flow from said top flaps under the influence of said heated plate.

2,425,068
DRAWING MEDIUM AND METHOD OF MAKING THE SAME
Maurice D. McIntosh, Cleveland Heights, Ohio, assignor to Louis S. Sanders, Shaker Heights, Ohio
Application November 6, 1943, Serial No. 509,269
11 Claims. (Cl. 41—41)



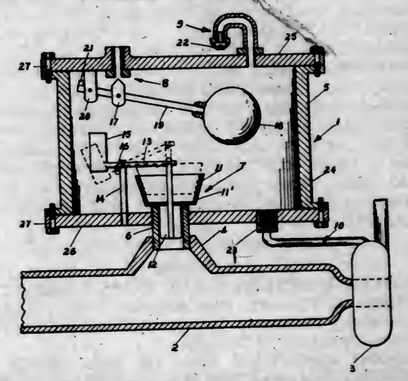
1. A medium for use in preparing photographic transparencies, said medium comprising a transparent or translucent base sheet having a chemically-developable pattern on each of its surfaces.

2,425,069
SLIP-SINKER
Phares H. Metzler, Seattle, Wash.
Application September 10, 1945, Serial No. 615,455
6 Claims. (Cl. 43—52)



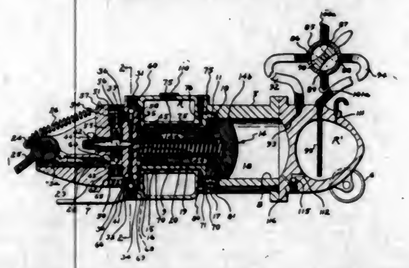
1. A slip sinker for a trolling line comprising a body member having a centrally disposed well extended therein from its top, and having a slot longitudinally extended through its body for a fish line, said slot sloping downward from the front end to the rear end near the rear center of said body to facilitate the line being drawn down for connecting the same, and a helically wound spring mounted in the well and having its central convolutions in alignment with the groove for maintaining the fish line thereby against the force of all slow pulls on the line and releasable in event of sudden jerks on the line, the ends of a spring wire from the coils extending respectively to the opposite ends of the sinker and there having a bend at right angles across the slot to prevent the loss of the sinker from the line.

2,425,070
AIR ELIMINATOR
Arthur P. Nicolette, Albany, Calif.
Application October 30, 1944, Serial No. 560,994
7 Claims. (Cl. 103—113)



1. An air eliminator for a liquid line, comprising a chamber having connection with the line and having a float-controlled outlet, a valve in said connection and having means for normally opening the same, whereby air may escape from the line through the chamber and the outlet, as the line fills with liquid, the float-control being adapted to limit the outflow of air from the chamber whereby the flow of the liquid into the chamber is also limited, a cup on the valve adapted for holding liquid and for closing the valve when the liquid level in the cup, and a slow leak in the cup adapted for retarded discharge of the liquid from the cup to permit the latter to yield to the valve-opening means.

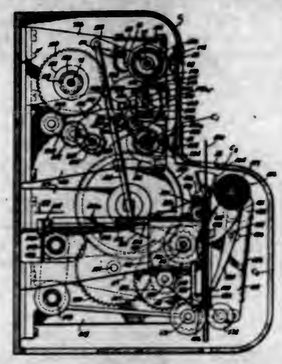
2,425,071
REMOTE CONTROL APPARATUS FOR HYDRAULIC SYSTEMS
Herbert E. Page, Pasadena, Calif.
Application January 11, 1944, Serial No. 517,807
6 Claims. (Cl. 60—52)



1. Hydraulic apparatus comprising, in combination, a pressure-actuated device having a body, a piston reciprocable relative to the body, said body providing a pair of pressure chambers to which opposed pressure-receiving areas of the piston are respectively exposed, and a remote control unit including a body presenting a cylinder, a first and a second fluid reservoir and a fluid chamber, a fluid-passing line providing communication between the fluid chamber and one of the pressure chambers, a fluid-passing line providing communication between the second reservoir and the other pressure chamber, valve means controlling said lines, a work piston reciprocably mounted in the cylinder for movement into and out of the fluid chamber and defining with the cylinder a first pressure chamber and a second annular pressure chamber, said piston having pressure-receiving surfaces of different areas exposed to the respective last-named pressure chambers, a fluid pressure-generating pump, fluid-passing lines respectively providing communication between the pump and the first reservoir during each suction stroke of the pump and between the pump and the first pressure chamber on pressure strokes of the pump, a fluid passage establishing communication between the first and second pressure chambers, and a valve controlling the last-named passage, said valve being openable in response to predetermined fluid pressure in the said first pressure chamber.

2,425,072
METER RECORDER AND COST COMPUTER
William J. Pearson, Los Angeles, Calif., assignor to Meter Recorder Company, Carson City, Nev., a corporation of Nevada
Original application May 16, 1939, Serial No. 273,981. Divided and this application April 19, 1943, Serial No. 483,635
13 Claims. (Cl. 234—2)

1. In a meter recorder, the combination of: a printing counter including a shaft having a plurality of counter type wheels rotatably mounted thereon; card locating and advancing means to receive and locate a card in printing relation to said counter; an assembly for moving a printing roller into printing relation with a card and type wheels; an actuating hub arranged to be manually oscillated a predetermined series of times to perform a plurality of printing operations; means energized by oscillation of the hub to actuate the assembly for moving the printing roller during each oscillation of the predetermined series; control means arranged to render said actuating means ineffective during the final oscillation of the series; and a gear train energized by oscillation of the hub and including a

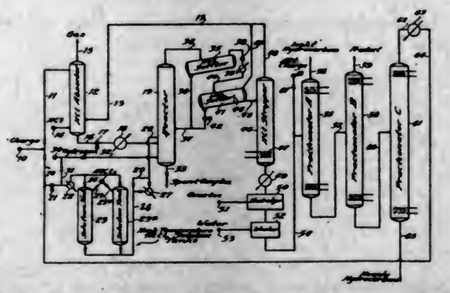


one-way ratchet-controlled connection to drive the card advancing means during each return oscillation.

2,425,073
PROCESS FOR COLORING WHOLE CITRUS FRUIT
Jagan N. Sharma, West Los Angeles, Calif.
No Drawing. Application March 4, 1944, Serial No. 525,104
6 Claims. (Cl. 99—168)

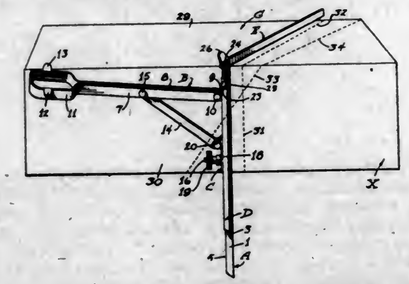
1. A process of treating whole fruits and vegetables of types provided with a naturally water-repellant waxy or oily skin or peel, to impart a desired coloration thereto and simultaneously control shrinkage of the fruits and vegetables, comprising: forming an aqueous, stable, substantially neutral and solvent-free dispersion of an unsaponifiable wax having a softening point within the range 115° F.–130° F., said wax containing an oil-soluble dye of desired color dissolved therein, and contacting whole fruits and vegetables with said dispersion at a temperature sufficient to render said dispersed wax particles plastic and adherent to the surface of the fruits and vegetables.

2,425,074
HYDROCARBON CONVERSION WITH FRIEDEL-CRAFTS TYPE CATALYST
Richard C. Waugh, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 16, 1943, Serial No. 498,808
5 Claims. (Cl. 260—683.5)



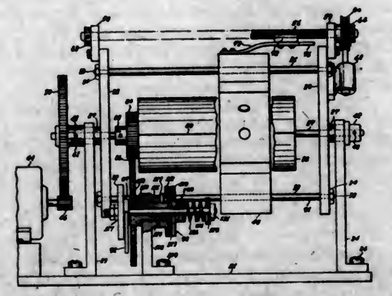
1. In a method of adding make-up active metal halide to a continuous conversion system employing a Friedel-Crafts catalyst the improvement which comprises dissolving said active metal halide in a light normally liquid paraffinic hydrocarbon at high temperature within the range of about 150° to 300° F. and under a hydrogen pressure for inhibiting complex formation and then cooling the resulting solution to a lower temperature which is at least about 25° lower than said high temperature in order to obtain in said solution a substantially larger amount of dissolved active metal halide than could be incorporated therein if the solution had been effected at said lower temperature.

2,425,075
AUTOMATIC JACK RAFTER BEVEL SQUARE
Philander F. Witter, Kentfield, Calif.
Application June 26, 1945, Serial No. 601,683
5 Claims. (Cl. 33—90)



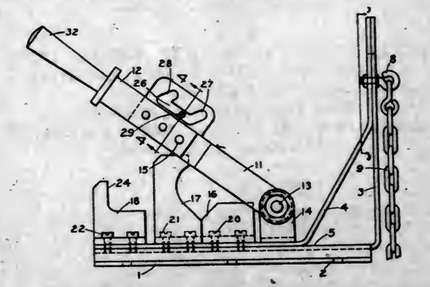
1. A jack rafter bevel square comprising an elongated body, an arm pivotally secured to the body and swingable in a plane that bisects the length of the body and is perpendicular thereto, means including an adjustable brace extending from the arm to the body for securing the arm in different angular positions, an abutment carried by the outer end of the arm, and a second arm pivoted to the body and swingable in a plane that extends at an angle of 135° to the plane in which the first arm swings, said abutment and second arm adapted to rest on a jack rafter in a position to permit the elongated body to lie against the side of the rafter.

2,425,076
SECRET FACSIMILE SYSTEM
Charles J. Young, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1944, Serial No. 524,117
4 Claims. (Cl. 178—22)



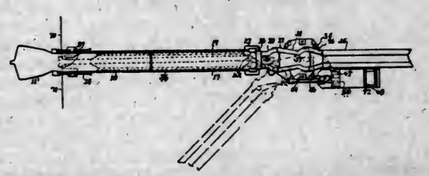
1. In a facsimile machine for insuring privacy of communication comprising a support for a sheet to be scanned, means to scan said sheet, means for producing relative movement between said scanning means and said sheet supporting means, the combination of means for producing variations in the relative rate of movement between said sheet supporting means and said scanning means, means to render said variation producing means ineffective, and means for causing release of said variation producing means.

2,425,077
COMBINATION TENDON EXTRACTOR AND FOOT AND HEAD SEVERING DEVICE
Harvey A. Alexander, Lansing, Mich.
Application January 25, 1945, Serial No. 574,537
2 Claims. (Cl. 17—11)



1. A combination tendon extractor and head and feet severer of the character described, comprising a base, a reinforced upright at one end of the base, V-shaped means at the top of the upright, a handle pivoted on the base, tool steel cutting and breaking blocks attached to the base, an elongated slot formed in the handle, a W-shaped member mounted loosely in the slot and a chain attached to the upright.

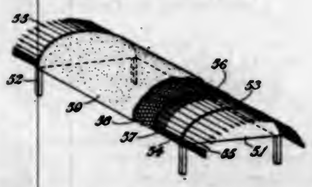
2,425,078
SELF-LOADING DEVICE FOR SHAKER CONVEYORS
Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1946, Serial No. 640,875
8 Claims. (Cl. 198—14)



1. In a self-loading device for shaker conveyors and in combination with a shaker conveyor trough line, a reciprocating trough connected to the inby end of said trough line for lateral movement with respect thereto, an extensible trough adapted to pick up loose material from the ground and mounted for extensible or retractible movement, and means for laterally swinging said extensible and reciprocating troughs along the ground including a non-reciprocating frame extending along said reciprocating and extensible troughs and having engagement with opposite sides of said reciprocating trough, winding means having two flexible feeding members extending therefrom and along said frame and adapted to

be trained in opposite directions from the forward end of said frame to abutments remote from said troughs, for moving said troughs in one direction or another upon winding in of either one of said flexible feeding members, said frame having a transversely pivoted forward portion having floating engagement with the ground adjacent its forward end and adapted to train said flexible feeding members laterally from said frame adjacent the ground, and said flexible feeding members being trained laterally from said floating forward portion of said frame and being arranged to maintain the forward end of said floating portion of said frame in floating engagement with the ground when either one of said flexible feeding members is wound in by said winding means.

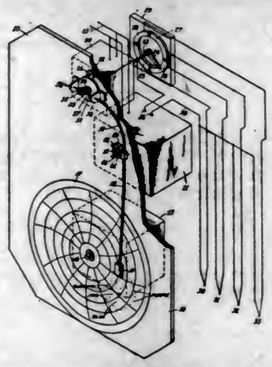
2,425,079
REINFORCED CONCRETE SHELL CONSTRUCTION AND METHOD OF MANUFACTURE THEREFOR
Kurt Billig, London, England
Application May 27, 1943, Serial No. 488,649
6 Claims. (Cl. 72—50)



2. A mould-less self-supporting reinforced concrete curved shell construction of the type described and for the purposes set forth herein comprising pre-stressed reinforcement wires spaced along the generating lines of said shell defining the shape of said construction and forming the sole supporting skeleton of said construction, mesh reinforcement attached to the said pre-stressed wires, a predetermined thickness of concrete disposed on both sides of said wire and mesh reinforcements which cooperate to form a core for the application of said concrete from both sides thereof, the said pre-stressing of said wires being constant throughout said shell and of a magnitude of the order of up to 285,000 pounds per square inch, the said wires being permanently maintained under said tension alone by the bond between said reinforcement and concrete after the setting and hardening of said concrete has taken place, said concrete remaining under permanent compression after all shrinkage thereof has taken place and in its externally loaded condition, the said mesh reinforcement forming the mould for said concrete shell construction and the said pre-tensioned reinforcement wires forming a skeleton of the construction and the sole support for the application of said concrete whereby the necessity for an external form is obviated.

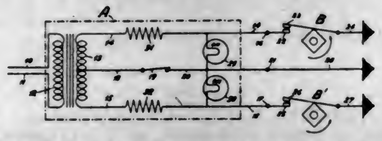
2,425,080
PLURAL MAGNITUDE RECORDER
Clinton A. Blakeslee, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut.
Application January 7, 1943, Serial No. 471,554
9 Claims. (Cl. 234—66)

1. Apparatus for producing on a common movable chart individual records of the values of a plurality of variables, comprising means for supporting said chart, means for measuring said variables, an extended arm connected to said measuring means for deflection about an axis transverse to said chart through angles respectively representative of the magnitudes of said measured variables, printing means carried by said arm and adapted to print on said chart distinguishing indicia representing the respective variables, means controlling said measuring means for causing the latter to measure said



variables periodically in predetermined sequence, means comprising an uninterrupted mechanical train between said controlling means and said indicia printing means for maintaining said indicia in register with the respective variables under measurement by said measuring means, and means for periodically impressing said printing means upon said chart, at points determined by the deflected positions of said arm.

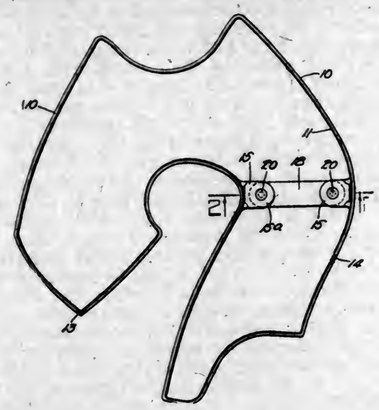
2,425,081
SYNCHRONIZATION TESTER
William A. Bohannon, Uniondale, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application September 24, 1943, Serial No. 503,603
1 Claim. (Cl. 177—311)



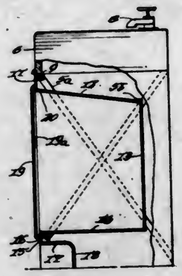
Apparatus for synchronizing the breaker points of magnetos, comprising a lamp associated with and individual to each magneto, a power source having a centertap and a switch in series with the centertap, a closed circuit for one lamp including part of the power source on one side of the centertap, the centertap and a current-limiting means in series with the lamp, a closed circuit for the other lamp including a part of the power source on the other side of the centertap, the centertap and a current-limiting means in series with said latter lamp, and parallel shunting connections for each lamp including the breaker points of the associated magneto.

2,425,082
DIE
Harry M. Bolston, Swampscott, Mass.
Application March 23, 1946, Serial No. 656,699
3 Claims. (Cl. 164—29)

3. A cutting die for cutting out blanks from sheet material, comprising a continuous, flat, metal strip shaped to correspond to the outline of the blank to be cut out, the strip having upright sides with its edges lying in spaced parallel planes and at least one of said edges being a continuous cutting edge, and means for flexibly reinforcing said die including U-shaped brackets horizontally fixed to opposite inner sides of said die and a strap lying in a horizontal plane and fixed between the arms of said brackets connecting said sides.

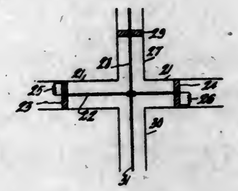


2,425,083
COMBINED CLOTHES HAMPER AND WASH BOWL
William Sanford Brooks, New York, N. Y.
Application January 11, 1946, Serial No. 640,603
2 Claims. (Cl. 45—38)



2. The combination with a wash bowl having a pendant ledge, a U-shaped bar straddling said ledge, a hamper body connected with said U-shaped body and extending under the wash bowl and within the area of the wash bowl, a steel frame under the wash bowl and enclosing the hamper body, the hamper body having a bottom wall, and the steel frame having a bottom steel member having a vertical flange formed with a hinge roll on its upper edge and the bottom wall of the hamper body being disposed over said hinge roll, a door having a hinge spring loop on its lower edge which receives the hinge roll and which has a bearing against the bottom face of the bottom wall of the hamper body, and spring pressed members disposed on the sides of the door and adapted to limit the impact of the door against the side of the frame.

2,425,084
VARIABLE IMPEDANCE DEVICE
Edward Cecil Cork, Ealing, London, England, and Alan Dower Blumlein, deceased, late of Ealing, London, England, by Doreen Walker, executrix, Lescudjack, Penzance, Cornwall, England, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Original application February 17, 1944, Serial No. 522,830. Divided and this application June 2, 1945, Serial No. 597,260. In Great Britain May 5, 1941
Section 1, Public Law 690, August 8, 1946.
Patent expires May 5, 1961
5 Claims. (Cl. 178—44)



1. A variable resistance for use at high frequencies comprising a coaxial line having a central conductor and a surrounding screen substantially one quarter of a wavelength long at the operating frequency and effectively terminated at its ends by resistances which are inverse about the characteristic impedance of said line, the arrangement being such that the impedance at any point on the inner conductor of said line is always a substantially pure resistance, the magnitude of which is dependent upon the position of said point.

2,425,085
OIL PURIFYING SUBSTANCES AND METHOD OF MAKING THE SAME
Harold F. Dague, South Gate, Calif., assignor of one-half to William B. Collins, Los Angeles, Calif.
No Drawing. Application June 15, 1945, Serial No. 599,741
20 Claims. (Cl. 252—33.4)

1. A composition of the character described comprising about 35% to 55% by weight of an oil-soluble tertiary organic amine, about 5% to 25% by weight of an oil-soluble sulfonic acid salt and about 30% to 50% by weight of a substantially neutral, predominantly hydrocarbon mixture extracted from petroleum with furfural.

2,425,086
METHOD OF PREPARING MOLECULARLY ORIENTED COPOLYMERS OF ACRYLONITRILE, BUTADIENE 1,3 AND A VINYL ETHER
Gaetano F. D'Alelio, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application February 25, 1944, Serial No. 523,901
6 Claims. (Cl. 18—54)

3. A cold drawn article, such as a sheet, fibre or the like which exhibits a characteristic crystalline X-ray diffraction pattern comprising a polymerization product of a mixture consisting of 10 to 25 parts butadiene 1,3, 70 to 80 parts acrylonitrile, and 5 to 25 parts of vinyl ether.

2,425,087

CONVERSION OF HYDROCARBONS IN THE PRESENCE OF A CATALYST CONSISTING ESSENTIALLY OF TITANIA GEL AND BORON OXIDE

Joseph D. Danforth, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original application May 16, 1941, Serial No. 393,773. Divided and this application December 11, 1944, Serial No. 567,775
9 Claims. (Cl. 196—52)

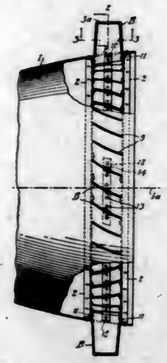
1. The method of cracking hydrocarbon oils which comprises heating the said oil to cracking temperatures and thereafter contacting it with a catalyst consisting essentially of titania gel containing boria.

2,425,088

FAN BLADE AND MOUNTING MEANS THEREFOR

George A. Dean, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application September 13, 1943, Serial No. 502,382
5 Claims. (Cl. 244—134)



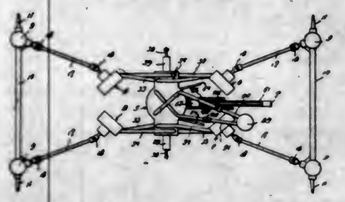
3. A fan blade having metallic plates disposed in spaced substantially parallel relation, the inner ends of said plates comprising a mounting zone for the fan blade, and a plastic core between said plates and adhering thereto, said core including thickened leading and trailing edge portions extending beyond the edges of the metallic plates.

2,425,089

FLUID DRIVE OR TRANSMISSION

Pascual M. Diaz, San Antonio, Tex.

Application January 13, 1944, Serial No. 518,139
3 Claims. (Cl. 180—66)



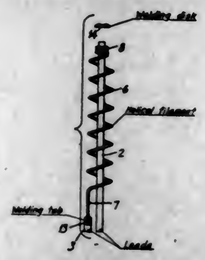
1. In a fluid drive and control for a four-wheel-drive motor vehicle, a centralized and symmetrically arranged set of four separate and like fluid driven units arranged one unit in working relation to each vehicle wheel, the wheels rotated in correlated pairs at opposite sides of the vehicle and mounted on driving spindles respectively at the opposite ends of a front and a rear axle of the vehicle, flared angularly arranged, universally jointed, propeller shafts operatively connecting each fluid driven unit with the driving spindle of its correlated vehicle wheel, a fluid drive unit centralized between the aforesaid symmetrically arranged set of fluid driven units, said fluid drive unit having separate fluid conductive connections directly with the pairs of said fluid driven elements at each side of the vehicle, motive means for driving said fluid drive unit including a prime mover power shaft and a selectively operable connecting provision between said fluid drive unit and said prime mover power shaft for operating the fluid drive unit at different speeds, said selectively operable provision being also capable of reversely operating said fluid drive unit, and means for controlling emission and transfer of fluid from said fluid drive unit to said correlated pairs of fluid driven units whereby to selectively partially withhold emission and transfer of the fluid so that the drive unit operates with idling effect and whereby to also selectively vary the volume of flow and force of the fluid from the drive unit to the driven units, either to all four thereof simultaneously or to only one correlated pair thereof at a time, and by further selective manipulation of said controlling means effectively cut off completely the emission and transfer of fluid from said drive unit to all four of said driven units so as to prevent operation of the driven units and thereby cause a braking effect upon the vehicle wheels.

2,425,090

METHOD OF MAKING CATHODES

William W. Eitel, Salt Lake City, Utah, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application August 24, 1942, Serial No. 456,127
4 Claims. (Cl. 140—71.6)



1. The method of making a cathode structure, which comprises forming a helical filament with a reduced coil at one end sized to loosely encircle a lead, positioning the filament with said coil embracing the lead, welding the other end of the filament to another lead, applying to the juncture at said coil a piece of metal weldable with the filament and said first lead, and then subjecting the juncture to welding heat.

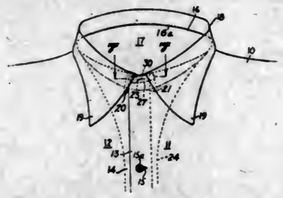
2,425,091

SPORT SHIRT WITH ADJUSTABLE COLLAR

Louis M. Fisch, Los Angeles, Calif.

Application April 18, 1945, Serial No. 589,046
7 Claims. (Cl. 2—116)

1. A shirt of the character described comprising a collar, overlapping front panel portions merging into and forming part of said collar, and adjustable collar fastening means comprising a button on one of said panel portions, and an inelastic retractable tab having a plurality of buttonholes, an inner end of said tab being secured to the other panel portion, said last named panel portion comprising a double layer of material and an opening in the inner layer, the secured end of the tab lying between the layers, and the tab having a free end extending towards the inside of the shirt through the said opening in said inner panel portion and engageable with said button in a manner to hide the button behind said last named panel portion when said button and said tab are engaged.

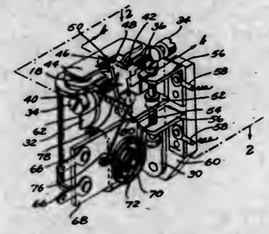


2,425,092

SENSITIVE RELAY

Charles P. Fisher, Boston, Mass., assignor to Sigma Instruments, Incorporated, a corporation of Massachusetts

Application May 27, 1944, Serial No. 537,677
16 Claims. (Cl. 200—87)



7. In a relay, a frame member comprising an integral metal piece having arms bent therefrom in one direction, and having bearing supporting members bent therefrom in the opposite direction, bearings carried by said members, an electromagnet carried by said arms, an armature lever pivotally supported in said bearings, and an armature on said lever cooperating with said electromagnet, one of said bearing supporting members carrying contact screws for contacting the armature lever.

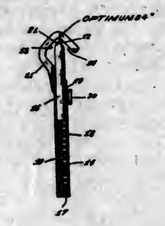
2,425,093

AMPULE CUTTER

David W. Fosler, Indianapolis, Ind.

Application May 6, 1944, Serial No. 534,406
2 Claims. (Cl. 49—52)

1. An instrument for perimetrally scoring glassware and the like comprising a tubular body, a spring-pressed glass-cutting plunger axially reciprocably mounted in said body and axially projecting at one end therefrom, a retaining hook fixedly associated with said body at said end and formed to define a first portion having a wall inclined away from the axis of said body and in the direction of projection of said end, a second portion having a wall joined to said first wall and inclined toward the axis of said body in the direction of projection of said end and meeting said axis in an angle less than 43°, and a third portion having a wall joined to said second wall substantially at its intersection with said body axis, said third wall being inclined outwardly from said axis but toward said body at an angle less than 43° to said axis, and terminating in a free end spaced from said body.



2,425,094

PROCESS FOR OBTAINING RUTIN FROM BUCKWHEAT

Edward L. Griffin, Jr., Philadelphia, Pa., assignor to United States of America, as represented by the Secretary of Agriculture

No Drawing. Application July 31, 1946, Serial No. 687,504
4 Claims. (Cl. 260—333)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

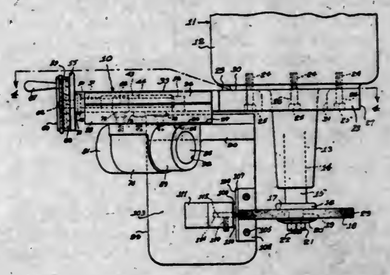
1. A process of preparing rutin from dried rutin-containing plants comprising extracting rutin therefrom by means of aqueous ethyl alcohol having a concentration of ethyl alcohol of about 35% to 85% by weight.

2,425,095

GRINDING WHEEL DRESSER

Ferdinand J. Henkel, Royal Oak, Mich., assignor to Lamina Dies and Tools, Inc., Berkley, Mich., a corporation of Michigan

Application December 29, 1945, Serial No. 637,847
9 Claims. (Cl. 125—11)

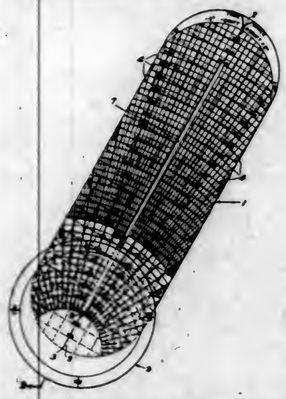


1. A wheel dresser for grinding machines comprising a support attachable to the grinding machine, a rest connected to said support and extending adjacent said wheel, a template mounted on said rest, a wheel dressing tool holder slidably supported on said rest in engagement with said template, and a wheel dressing tool mounted on said tool holder, said rest being positionable in an inclined arrangement relatively to said wheel, and said tool holder being urged by gravity down said inclined rest into engagement with said template.

2,425,096
PROCESS FOR THE PRODUCTION OF TRIALKYL BENZENE
Vladimir N. Ipatieff and Carl B. Linn, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 29, 1944, Serial No. 542,805
15 Claims. (Cl. 260—668)

1. A process for the production of aromatics which comprises dehydrating and cyclicizing a ketone in the presence of a catalyst comprising a heteropolyacid at a temperature above 200° C. but not greater than about 450° C.

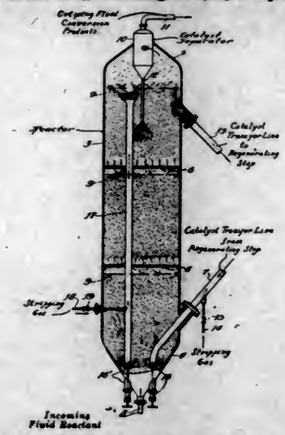
2,425,097
NAVIGATIONAL COMPUTER
Elbert C. Isom, Garden City, N. Y.
Application July 6, 1945, Serial No. 603,411
3 Claims. (Cl. 235—61)



1. A navigational computer which comprises a base of thin flat material having an obverse face with a longitudinal center line thereon, a drift grid on the obverse face having a radial line coincident with the center line and a plurality of other radial lines equally spaced on both sides of the center line, a rectangular off-course grid superimposed upon the drift grid with one of its lines coincident with the center line; a transparent compass-rose with an exterior surface for marking to work out problems, and means for mounting the compass-rose rotatable and slidable with respect to the center line whereby the center of the compass-rose may be slid along the center line and rotated at any position thereon.

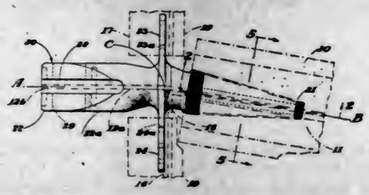
2,425,098
CATALYTIC CONVERSION PROCESS
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 31, 1943, Serial No. 481,279
2 Claims. (Cl. 196—52)

2. A process for the conversion of hydrocarbons which comprises maintaining a plurality of vertically spaced, relatively dense fluid-like beds of solid catalyst particles at conversion temperature in a reaction zone, introducing the hydrocarbons and subdivided catalyst particles to the lower portion of said zone and passing the hydrocarbons upwardly in series through said beds at a velocity such as to effect substantial hindered settling of catalyst particles in each of the beds, transferring catalyst particles from the lower bed of the series to the next higher bed in suspension in the hydrocarbons passing from said lower bed to the higher bed and through a region of said reaction zone at sufficiently increased velocity to substantially prevent hindered settling of the suspended cata-



lyst particles in said region, removing a stream of catalyst particles from the uppermost bed of the series and stripping the same of hydrocarbons, and then introducing said stream to the lowermost catalyst bed of the series.

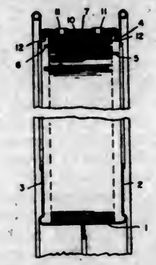
2,425,099
AIRCRAFT WING CONNECTION
Alfred J. Klose, Rolling Hills, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application November 30, 1944, Serial No. 565,819
7 Claims. (Cl. 244—117)



1. In aircraft construction; a wing having inner and outer wing panels; said outer panel including a spanwise extending spar chord element having a conic threaded portion therein; and a unitary wing spar fitting for joining said panels comprising a correspondingly threaded conic portion engaging the conic threaded portion of said spar chord element and an apertured portion adapted to be connected to said inner wing panel.

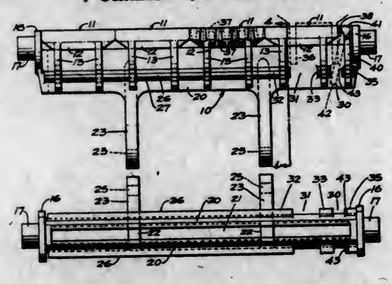
2,425,100
FILM PROTECTOR
Thomas S. Kulka, Cleveland, Ohio
Application April 17, 1944, Serial No. 531,521
2 Claims. (Cl. 206—53)

2. A device for handling and packaging motion picture film, comprising the combination of a reel having a hub and spaced flanges attached thereto, said flanges being bendable toward each other, a coil of film wound on said reel between said flanges, a longitudinally flexible and transversely rigid band of plastic material, such as cellulose acetate or the like, wrapped on the outermost convolution of said coil of film with its end portions in overlapping relationship, said band having a width equal to the space between said flanges at their point of attachment to said hub, a strip of resilient material transversely fastened to one end of said band and reversely bent ends on said strip adapted to snap over and engage the lateral edges of the overlapped portion of said band, said



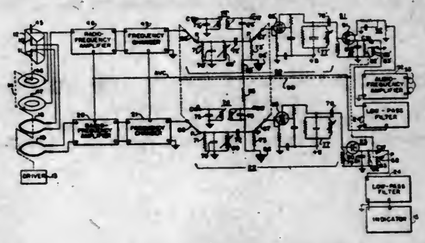
reversely bent ends being normally spaced apart a distance slightly smaller than the width of said band and movable away from each other a distance greater than the width of said band through lengthwise flexing of said strip, whereby said fastening means is operable to engaged and disengaged positions by movement thereof in a radial direction only with respect to said reel.

2,425,101
SECTIONAL GRATE
Elmer Adam Kuntz, Milwaukee, Wis.
Application May 3, 1944, Serial No. 533,886
7 Claims. (Cl. 126—180)



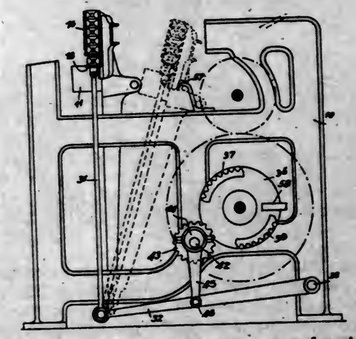
4. In a grate of the character described, the combination of a plurality of grate sections each having a body portion to support burning fuel and two spaced downwardly extending anchoring portions located adjacent to the ends of the grate sections on opposite sides of the center line thereof, a carrier bar to receive and support said grate sections, said carrier bar having at least one longitudinal shoulder to engage said anchoring portions of the grate sections, said engagement shoulder or shoulders being interrupted in length to provide two entrances spaced longitudinally of the bar to pass the two anchoring portions of a grate section simultaneously into and out of positions from which the grate sections may be moved longitudinally of the grate bar into individual engagement with said shoulder, said plurality of grate sections when in assembled position defining with said carrier bar a space in the path of movement of the grate sections toward said shoulder entrances, said space and the longitudinal movement necessary to effect the engagement of both anchoring portions of each of said grate sections with said shoulder being small as compared to the width of the grate section, and a relatively narrow key, insertable within said small space, for blocking movement of the assembled grate sections toward said shoulder entrances, and having interlocked engagement with said carrier bar.

2,425,102
RADIANT-ENERGY RECEIVER
Gilbert C. Larson, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 20, 1943, Serial No. 503,045
5 Claims. (Cl. 250—11)



1. A receiver for receiving a first periodic radiant-energy signal having pulse-wave amplitude variations such that said signal has a reduced amplitude for intervals which are long with reference to the period of said signal and for receiving a second periodic radiant-energy signal comprising, a pick-up system for said signals, receiving means coupled to said pick-up system for translating said signals, rectifying means included in said receiving means, a first load circuit for said rectifying means having a time constant which is long with reference to said intervals of said first signal, a second load circuit for said rectifying means having a time constant which is short with reference to that of said first load circuit and long with reference to the period of said second signal, means for selectively connecting in the circuit of said receiver said first load circuit to translate said first signal or said second load circuit to translate said second signal, and means for utilizing an output signal derived from the effective load circuit.

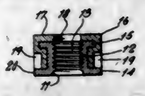
2,425,103
AUTOMATIC SHUTTLE CHANGE MECHANISM FOR LOOMS
Federico Llovera, Barcelona, Spain
Application September 6, 1944, Serial No. 552,916
In Spain January 25, 1944
6 Claims. (Cl. 139—239)



1. Automatic shuttle change mechanism for looms, comprising a displaceable double shuttle

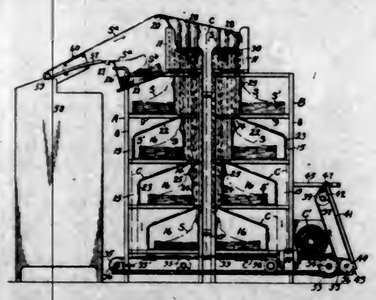
box provided with two adjoining compartments, one of said compartments serving to receive the shuttle normally in service in the loom, while the other compartment lodges a spare shuttle ready for use, means for displacing the said shuttle box so that the spare shuttle compartment may assume the position of the service shuttle compartment, means for actuating the said displacing means upon weft exhaustion whereupon the spare shuttle assumes the position of the service shuttle and receives the blow from the loom picker and enters into service, means for ejecting the exhausted shuttle from its compartment, and means to return the shuttle box to its initial position.

2,425,104
THREADED LOCKING DEVICE AND METHOD OF MAKING SAME
Richard W. Luce, Southport, Conn.
Application December 30, 1942, Serial No. 470,589
3 Claims. (Cl. 151—7)



3. A threaded locking device of the kind in which an elastic medium is utilized to effect the locking action, which threaded locking device comprises in combination a metallic, internally threaded element having an end surface constituting the face of the threaded locking device, and an elastic, non-metallic, moldable element surrounding the metallic element and extending over the edge thereof opposite to the end surface constituting the face of the nut and having an opening therethrough of a diameter such as to engage the thread of a screw entered through the metallic element, and a hexagonal flange at the opposite end of the metallic element engaging a hexagonal recess in the non-metallic element for restraining relative axial and rotative movement therebetween.

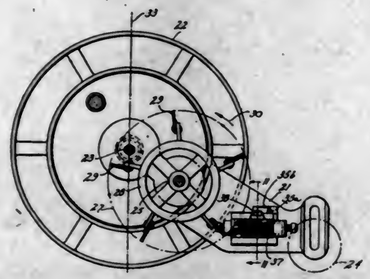
2,425,105
DECOLLATOR FOR MANIFOLDING ASSEMBLIES
Carl R. Mabon, Niagara Falls, N. Y., assignor to Moore Business Forms, Inc., a corporation of Delaware
Application July 12, 1943, Serial No. 494,402
6 Claims. (Cl. 271—2.1)



1. In a strip separating apparatus, in combination, a plurality of downwardly extending gravity chutes, a plurality of partitions separating said chutes, means for supporting said partitions including spaced walls adjacent to the inner surfaces of which the partition edges are positioned, and a plurality of partition supporting slats secured to the inner surfaces of said walls and interposed between the respective adjacent partitions and respectively spaced apart slightly to form grooves snugly receiving the adjacent edges of the partitions to support said partitions.

2. In a strip separating apparatus, in combination, a plurality of strip separating units positioned side by side and attached together in operative position, each of said separating units having a plurality of downwardly extending gravity chutes arranged in a group, said groups of chutes being positioned respectively at the adjacent sides of the separating units and adjacent to each other, the adjacent sides of said separating units being spaced apart by attaching spacers so as to form an additional downwardly extending gravity chute positioned next to and between said chute groups and between said strip separating units, and strip receiving compartments on each of said separating units communicating respectively with certain of said chutes for receiving strips therefrom, said receiving compartments having their inner sides positioned respectively adjacent to the group of chutes in each of said separating units and said receiving compartments extending outwardly from the respective said group of chutes in opposite directions in the respective separating units.

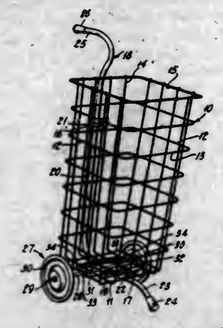
2,425,106
METHOD OF SHARPENING LAWN MOWERS
Nils Madsen, San Pedro, Calif.
Original application May 24, 1943, Serial No. 488,134. Divided and this application June 20, 1944, Serial No. 541,150
2 Claims. (Cl. 51—281)



1. The method of continuously sharpening the blades of a lawn mower, which comprises, relatively moving the surface of one blade across the surface of another blade, yieldably urging one of said surfaces into contact with the other, and feeding an abrasive between said surfaces while they are in contact and along a path passing through one of the surfaces.

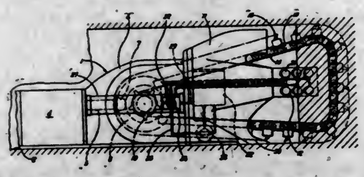
2,425,107
WHEELED MOBILE CONTAINER APPARATUS
George Martin, New Hyde Park, N. Y.
Application May 13, 1947, Serial No. 747,618
2 Claims. (Cl. 280—51)

2. A wheeled mobile container apparatus comprising, in combination; a single, substantially rigid, elongated, rod-like member bent to provide a forwardly extending support portion, a forward terminal supporting portion in front of the support portion extending downwardly with respect to the latter and terminating at a lower end, a substantially upright portion extending upwardly from the rear of the support portion, and a handle portion extending from the upper part of the substantially upright portion; an open-top, non-collapsible container having a back portion and a bottom portion and medially supported on said member to constitute therewith a super-structure; means fastening the back portion of said container to the substantially upright portion of said member and means fastening the bottom portion of said container to the forwardly extending support portion of said member; a two-wheeled carriage mounted below said container at a point to the rear of the center of



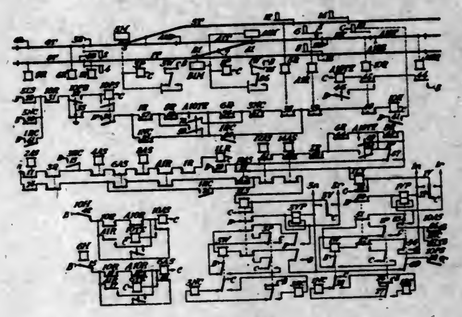
gravity of the super-structure and including a cross axle located beneath the bottom portion of said container and having the ends thereof extending beyond the sides of the bottom portion of said container, a pair of laterally spaced-apart wheels each rotatably mounted on one of the ends of said axle with the bottom portion of said container located therebetween, and bolster means supported upon said axle between said wheels and located beneath the bottom portion of said container; and additional means fastening said bolster means to the bottom portion of said container.

2,425,108
MINING MACHINE
John Bridie Mavor, Glasgow, Scotland, assignor to Joy Manufacturing Company, Franklin, Pa.
Application July 18, 1944, Serial No. 545,433
In Great Britain July 29, 1943
2 Claims. (Cl. 262—9)



1. In a long wall mining machine a cutter chain positioned to cut a vertical slot in a body of coal substantially parallel to the working face of the coal, a wedge member carried by the machine with the front end of the wedge disposed behind the front of the chain and adapted to enter said slot as the machine moves forward, the outer surface of the wedge being inclined from its front end rearwardly, said wedge member being provided with transversely extending fluid pressure chambers, pistons mounted in said chambers, and means for supplying fluid under pressure to said chambers to force said pistons outwardly toward said working face and against one side wall of said slot to break the coal away.

2,425,109
RAILWAY SWITCH AND SIGNAL CONTROL AND INTERLOCKING APPARATUS
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 7, 1944, Serial No. 557,625
15 Claims. (Cl. 246—134)

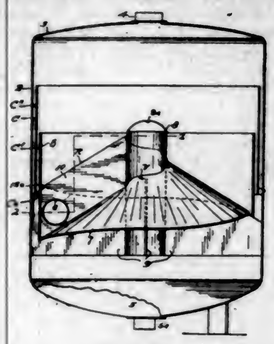


1. Railway traffic controlling apparatus comprising a detector section of railway track including a track switch, a home signal for governing traffic movements into said section in a direction facing the switch, two extended locking sections beyond the switch, one in the route over the switch in its normal position and the other in the route over the switch in its reverse position, an approach signal governing traffic approaching the home signal, a control circuit corresponding to the route established by the track switch and adapted to be manually closed to clear the approach signal only when the detector section and the extended locking section in the route established by the switch are both unoccupied, a switch locking relay which when deenergized prevents the operation of the switch, an energizing circuit for the switch locking relay controlled by contacts which when closed indicate that the detector section is unoccupied and that the home signal is at stop, and means governed by the control circuit for the approach signal for controlling the circuit for said switch locking relay to insert therein contacts selected by the track switch which indicate the condition of that one of said extended locking sections which is not included in the route established by the switch, said means being rendered effective upon the closing of the control circuit for the approach signal when the extended locking section in the established route becomes unoccupied, to open the circuit for the switch locking relay unless the other extended locking section is also unoccupied.

2,425,110
MEANS INCLUDING A HELICAL RAMP FOR CENTRIFUGALLY SEPARATING SOLIDS FROM LIQUIDS
Howard McCurdy, Walnut Park, Calif.
Application September 18, 1944, Serial No. 554,696
8 Claims. (Cl. 210—51)

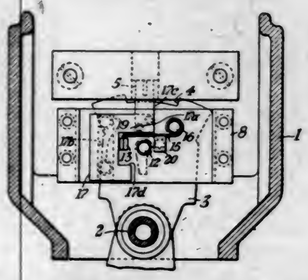
1. A centrifugal separator having a cylindrical shell provided with an inlet tube having its discharge end in, and on a plane radial to the shell, an outlet from the upper part of the shell, an inner cylinder spaced concentrically as to the shell and ending short of its top and bottom, and a helical ramp beginning at said discharge end of the tube; the bottom edge of the cylinder being a helix conforming to and spaced from the rim of the ramp for the full length of the ramp; said

cylinder forming with the shell an annular escape passage for material centrifugally thrown over



the top edge of the cylinder and a central, vertical element about which the ramp winds.

2,425,111
EMERGENCY RELEASE FOR ELECTRIC SWITCH LOCKS
William C. McWhirter, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 12, 1945, Serial No. 634,560
9 Claims. (Cl. 70—346)



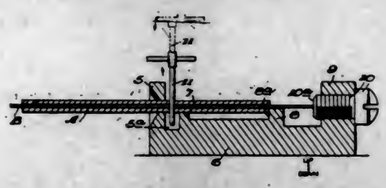
1. In an electric lock for switches including the usual electrically controlled locking dog disposed within a casing and movable between a locking and a released position, the combination of emergency release means operable by the same key which is used to operate the switch padlock for at times moving said dog to its released position independently of the usual release means comprising a lifter block slidably mounted in a guide bracket secured to one wall of said casing inside of the casing opposite an opening provided in said wall, a key center stud secured to said bracket, a lifter spring pivotally attached at one end to said guide bracket and cooperating at the other end with said lifter block, said spring being positioned to be operated by a key disposed on said key center stud and effective when operated to operate said lifter block, and means attached to said lifter block and effective when said block is operated to operate said dog to its reduced position, said spring being proportioned to provide the necessary stroke required to move said dog to its released position when the release is operated by keys having a predetermined maximum permissible amount of wear, and to deflect after the dog reaches its released position when the release means is operated by keys having less wear.

2,425,112
PLATEN SCALE FOR TYPEWRITERS
Lotta Allen Meacham, Laguna Beach, Calif.
Application August 16, 1946, Serial No. 691,104
6 Claims. (Cl. 197—189)



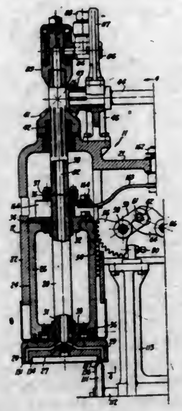
1. In a typewriter having a stationary index member and having rearward feed rolls spaced peripherally from the writing position to receive a work sheet, the combination of, a rotatable platen disposed in contact with said feed rolls and with its periphery adjacent said stationary index member, said platen having an end portion visible when the work sheet is inserted in the typewriter, a platen scale carried by and rotatable with said end portion and having indicia alignable with said index member to indicate the relationship of the writing position with respect to the work sheet, and a pair of opposed demarcation lines carried by and extending axially of the platen and so disposed relative to each other and to selected indicia on said platen scale that when the leading one of said lines in the direction of line spacing rotation of the platen is aligned with the stationary index member the trailing one of said lines is disposed adjacent the feed rolls to receive the leading edge of the work sheet in alignment therewith and in operative relationship with respect to said platen scale.

2,425,113
PRODUCTION OF ELECTRIC ARC ETCHING ELECTRODES
Theodore Miller, Racine, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Original application June 24, 1942, Serial No. 448,320, now Patent No. 2,354,871, dated August 1, 1944. Divided and this application June 2, 1944, Serial No. 538,510
5 Claims. (Cl. 29—25.15)



1. The method of producing electric arc etching electrodes each comprising a tubular shank longitudinally containing an electrode wire projecting therefrom and held thereby, which comprises assembling shank forming tubing of a stock length for cutting into a plurality of tubular shank-forming sections alike in length with a stock length of electrode wire slidable longitudinally through said stock tubing and at least of sufficient length to provide the electrode wire for each of said plurality of shank sections; guiding and longitudinally advancing said stock tubing to abut its front end against a tubing stop halting the tubing advance; advancing said stock wire through said halted tubing to abut its front end against a wire stop gauging the forward projection of the uncovered end wire beyond the stock tubing; simultaneously severing both the stock tubing and its contained stock wire at the required shank tube length from said tube stop and at the required electrode wire length from said wire stop; and thus successively advancing said stock tubing and stock electrode wire against said stops and cutting off the shank and electrode wire sections; and then compressing and shaping each shank tubing section on its contained wire section.

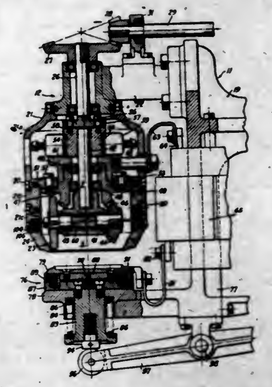
2,425,114
ELECTRIC SOLDER-APPLYING MACHINE
Harry A. Mulvany, Berkeley, Calif., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California
Application August 6, 1943, Serial No. 497,646
1 Claim. (Cl. 219—12)



In a soldering machine of the character described, supporting means, a holding device carried by the supporting means, means for rotating the holding device about a vertical axis, the lower face of the holding device being shaped to receive a sheet metal object having an annular portion to which solder is to be applied to form a narrow layer of solder on the same, means for retaining an object in said holding device, a soldering wheel-electrode carried by the supporting means below the holding device, means mounting said wheel for rotation about a generally horizontal axis extending radially to the vertical axis of the holding device, said wheel being arranged for peripheral contact with said annular portion as said holding device is being rotated, means for moving the holding device towards and away from the solder applying wheel, in a vertical direction, and means for applying electrical current to the holding device and to the solder applying wheel, whereby electric current is caused to pass through the aforesaid peripheral contact between the wheel and said annular portion.

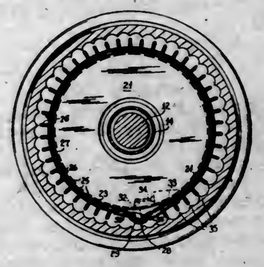
2,425,115
ELECTRIC SOLDERING MACHINE
Harry A. Mulvany, Berkeley, Calif., assignor to Hills Bros. Coffee, Inc., San Francisco, Calif., a corporation of California
Application August 6, 1943, Serial No. 497,647
6 Claims. (Cl. 219—12)

1. In a machine of the character described for forming a soldered seal between the cover and ring parts of a container top assembly, where the parts are provided with opposed annular areas for soldering together with at least one of the areas having a narrow line of solder applied to the same, and where the cover part has a peripheral prying flange spaced from the adjacent portion of the ring part, a platen device adapted to support the assembly, a soldering head device adapted to overlie the platen in vertical axial alignment therewith, clamping means carried by one of said devices, said clamping means including a ring having a recess formed in its lower inner edge and adapted to engage and apply pressure to the peripheral flange of the cover part and to urge



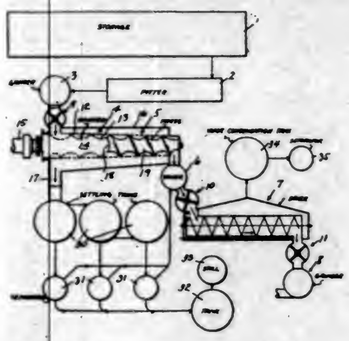
the same towards the platen to thereby press said annular areas into engagement, a contact wheel carried by the soldering head device, means for rotating the wheel about the vertical axis of the soldering head device, the wheel being rotatably mounted on an axis extending radially with respect to said vertical axis, the peripheral portion of the wheel being in engagement with a portion of the cover and ring assembly adjacent said annular areas, and means for connecting the platen and the contact wheel to a source of electric current, whereby current is caused to flow between the opposed annular areas to fuse the solder.

2,425,116
EXTERNAL CONTRACTING BAND BRAKE
Alvin J. Musselman, Hudson, Ohio
Application July 4, 1945, Serial No. 603,165
4 Claims. Cl. 188—77)



1. In a brake of the character described, a rigid drum having a hard chromium coating on its exterior surface, a flexible steel brake band surrounding the drum, means for contracting said brake band to grip the drum and effect braking effort thereupon, and a finned cooling band surrounding and gripping said brake band.

2,425,117
FOOD PROCESS
Kitchener K. Newsom, San Francisco, Calif.
Original application April 13, 1942, Serial No. 438,687. Divided and this application November 13, 1943, Serial No. 510,122
3 Claims. (Cl. 99—204)



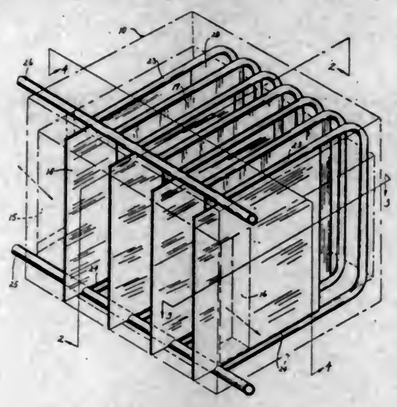
1. The process of producing a food product rich in carotene that comprises the steps of; grinding up partially dried pitted apricots, washing said ground up apricots for a relatively short period of time in warm water by flowing such water through the ground apricots into intimate contact with the particles and removing such water after substantially one passage thereof through a body of such particles, then squeezing the washed ground apricots to remove a substantial portion of the residual wash water and solubles therein, thereafter removing substantially the remainder of the moisture from said particles by evaporation, and finally re-grinding the particles so dried.

2,425,118
DENTAL IMPRESSION COMPOSITION
Stanley E. Noyes, Los Angeles, Calif.
No Drawing. Application April 30, 1945, Serial No. 591,221
7 Claims. (Cl. 18—47)

1. A composition of matter comprising an alkali metal alginate, lead silicate and zinc nitrate, which has been dissolved in a lower aliphatic alcohol and recovered therefrom by evaporation of the alcohol.

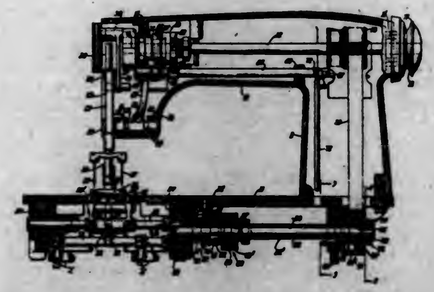
2,425,119
COOLING UNIT
Charles R. Papay, Rocky River, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 24, 1944, Serial No. 527,927
5 Claims. (Cl. 257—233)

4. A cooling unit comprising, a housing having pairs of opposed walls containing thermal insulating material and defining a cooling chamber, certain of said walls having openings for the passage of air into and out of said chamber, refrigerant-conducting pipes embedded in said insulating material and including a pair of supply and return pipes and a plurality of substantially parallel branch pipes having their ends connected with said supply and return pipes at points spaced along the latter, said branch pipes extending in continuous relation along and being embedded in a pair of opposed side walls and a side wall connecting said opposed walls, and thermally conducting metal plates extending entirely across said chamber between said one pair of opposed walls and having one pair of their opposed edges



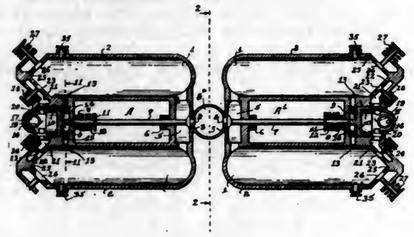
joined directly to said branch pipes and other edge portions of said plates being spaced from other walls of said chamber so as to permit a flow of said air through the chamber in contact with said plates.

2,425,120
OVERLOAD RELEASE CLUTCH FOR SEWING MACHINES
Frank Parry and Berthold P. Pinkvoss, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 15, 1946, Serial No. 641,233
13 Claims. (Cl. 112—220)



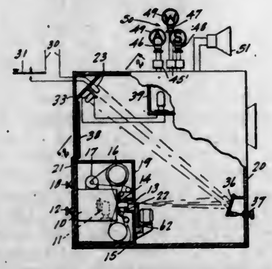
1. In a sewing machine having a work-support, in combination, stitch-forming mechanism including a rotary loop-taker disposed below said work-support, a work-advancing feed-dog operating through said work-support, a feed-shaft rotatably journaled below said work-support, means for rotating said shaft, means including operative connections with said feed-shaft for actuating said feed-dog, a rotary loop-taker actuating shaft concentric with said feed-shaft, means comprising an overload release clutch for rotating said loop-taker actuating shaft from said feed-shaft, and driving connections with said loop-taker actuating shaft for rotating said loop-taker.

2,425,121
COMBUSTION JET PROPULSIONED MEANS
Adolphe C. Peterson, Minneapolis, Minn.
Application January 12, 1944, Serial No. 518,199
7 Claims. (Cl. 60—35.6)



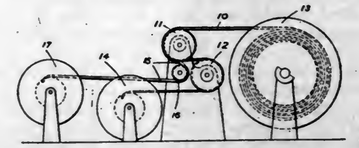
2. In a means producing flow of combustion gases under pressure to a discharge conduit, a combustion unit comprised of a pair of combustion chambers, the said combustion chambers being in communication at adjacent ends of each of the pair and having a discharge port therefrom to said discharge conduit, a discharge valve for said discharge port and an associated yieldable means arranged to maintain said discharge valve in position closing said discharge port, a pressure responsive means and a pressure chamber therefor arranged to be in permanent communication with said combustion chambers, such communication having controlling means therefor to permit rapid flow to said pressure chamber but slower return flow therefrom, the said pressure responsive means being connected with said discharge valve to move said discharge valve to open said discharge port under pressure in said pressure chamber exceeding the retaining force of said yieldable means, air supply means supplying air under pressure above atmospheric and in communication with said combustion chambers and non-return valve means permitting flow from said air supply means to said combustion chambers, means whereby said air is supplied with fuel for combustion therewith in said combustion chambers.

2,425,122
PHOTOGRAPHIC CODE RECORDING AND REPRODUCING DEVICE
John M. Petty, Berkeley, Calif., and Thomas M. Morse, Carlinville, Ill.
Application September 25, 1944, Serial No. 555,724
8 Claims. (Cl. 178—115)



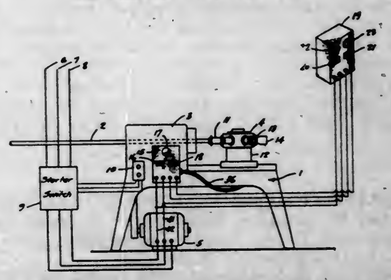
1. A Morse code recording and reproducing machine, in combination; a light-proof casing and a dark chamber having a lens passage opening into said light-proof casing; a combined camera and projector mounted within said dark chamber and including a lens within said lens passage, a film passage in the focal plane of said lens, and a projection lamp in projecting relation to said film passage and lens; a source of current including a circuit having a switch for control of said projection lamp; means for feeding a ribbon of film at uniform speed through said film passage within said dark chamber; an exposure lamp in the object plane of said lens and a source of current therefor and an image slit formed on said lamp to limit the size of the image formed by the lamp; a telegraph key for controlling illumination of said exposure lamp; a photo-cell located adjacent to said exposure lamp out of range of rays passing through said image slit and in the same object plane; an amplifier for said photo-cell and sound translating means actuable by said amplifier; whereby code signals are impressible on a strip of photo-sensitive film fed in the focal plane of said lens through exposure by said exposure lamp under manual control of said telegraph key when said switch is open, and is translatable into light and sound when said switch is closed through projection of the image from the processed film to said photo-cell.

2,425,123
SLITTING OF INSULATING MATERIAL
Joshua Creer Quayle, Helsby, Peter Jones, Kelsall, near Chester, and Russell Bayles, Helsby, England, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England, a company of Great Britain
Application July 4, 1945, Serial No. 603,162
In Great Britain July 24, 1944
17 Claims. (Cl. 164—17)



1. A method of slitting a length of electric insulating material, which comprises moving the length forward through a concentrated high frequency alternating electric field to heat and weaken the material along a narrow line, and thereafter tearing the material along the line of weakening.

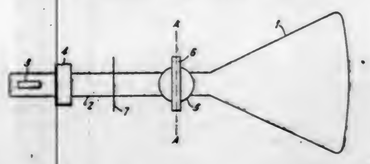
2,425,124
AUTOMATIC COUNTER SYSTEM
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation
Application July 25, 1942, Serial No. 452,353
11 Claims. (Cl. 235—92)



1. In a registering system for machines adapted to operate through repeated cycles on metallic stock, a register, an electric circuit for operating

the register, and a metallic member with which the stock contacts during one portion only of the cycle of operation of the machine on the stock, for controlling said circuit, said circuit including means that introduces a time delay to maintain the circuit in active controlling condition for a limited time, and operative in response to removal of the stock from the metallic member, said time delay being substantially less than the interval required to perform a complete cycle of operations on the stock.

2,425,125
CATHODE-RAY TUBE WITH MAGNETIC COMPENSATING MEANS
Claude Langdon Richards, Little Haldon, Newdigate, Surrey, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 22, 1943, Serial No. 479,999½
In the Netherlands July 20, 1940
6 Claims. (Cl. 250—162)



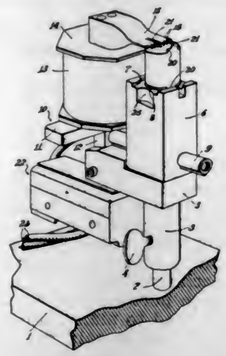
1. A device comprising a cathode ray tube in which means are present to produce a magnetic field parallel to the axis of the tube for the concentration of the cathode ray beam, and deflection means are present comprising at least one deflecting coil comprising an iron core, at least one body of ferromagnetic material being arranged to surround the tube and to be substantially normal to the axis thereof so that the influence of the deformation of the concentrating field brought about by the iron core or cores is substantially balanced.

2,425,126
DIBENZOYLAMINO DIANTHRIMIDE CARBAZOLE DYESTUFFS
Mario Scalera, Somerville, and Hugh Wendell Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 27, 1943, Serial No. 500,276
4 Claims. (Cl. 260—316)

1. A process for producing mixtures of 4,5'- and 4,8'-dibenzoylamino-1,1'-dianthrimide carbazole dyestuffs, which comprises treating a mixture of 4,5'-dibenzoylamino - 1,1' - dianthrimide and 4,8'-dibenzoylamino-1,1'-dianthrimide with aluminum chloride in a nitro-hydrocarbon of the benzene series at a temperature below 50° C., and treating the resulting product with concentrated sulfuric acid at a temperature below 50° C.

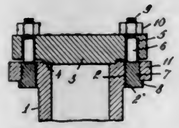
2,425,127
APPARATUS FOR ASSEMBLY OF MOUNTS
Elwood W. Schafer, Millburn, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 20, 1943, Serial No. 515,066
4 Claims. (Cl. 29—25.19)

1. In a mount assembly jig, a head block for supporting a first mica in a recess formed in the block, said head block being provided with well pockets in spaced relation with respect to the center-to-center spacing of holes in the mica, said well pockets being adapted to receive the projecting ends of electrode elements and function as a support for the electrodes during the assembly thereof into a mount unit, electromagnetic means associated with the head block including a core having a pole piece terminating in a blade member of magnetic material, the edge



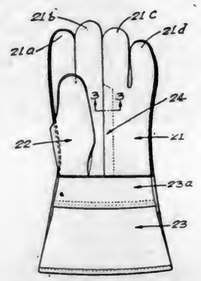
of said blade member having non-magnetic material alternated with the magnetic material, the magnetic portions of said edge being provided with notches, means for bringing the notches of the blade and the well pockets into alignment, and conducting means including a switch for the current producing a magnetic field which magnetizes the blade, whereby the projecting legs of the electrode elements are securely held in fixed position within the notches thus facilitating the threading of a second mica over said legs.

2,425,128
DISCONNECTABLE MEANS OF ATTACHMENT FOR THE COVERS OF HOLLOW BODIES
Eugen Schmidt, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application October 14, 1943, Serial No. 506,222
In Switzerland May 31, 1943
7 Claims. (Cl. 220—55)



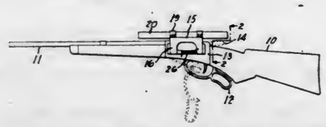
1. In apparatus for removably connecting a cover to the open tubular end of a hollow body subjected to high pressure, the improvement which comprises a threaded exterior area on the tubular part of the hollow body, a plurality of tie-bolts for securing the cover to the hollow body, each tie-bolt having at one end a segment with an outside bearing surface and an inner threaded surface which cooperatively engages the threads on the tubular part, the plurality of the tie-bolts being arranged exteriorly of the hollow body, and a ring encircling the segments and in engagement with the bearing surfaces of the segments to secure the segments in engagement with the tubular part.

2,425,129
GLOVE AND PALM THEREFOR
Robert Seidel, Danville, Ill., assignor to Irwin W. Millard and Elmer W. Beatty, copartners, doing business under the firm name of Industrial Gloves Company, Danville, Ill.
Application March 19, 1945, Serial No. 583,594
4 Claims. (Cl. 2—159)



1. In a glove, the combination of a back and a palm each having four finger extensions on corresponding ends thereof and seamed together about the marginal edges of said extensions, said palm having at least one longitudinal fold therein substantially in alignment with the parting line between two adjacent ones of the finger extensions thereon, the pair of finger extensions on said palm lying on opposite sides of said parting line being of greater width than the corresponding pair of finger extensions on said back, and said fold being stitched flat.

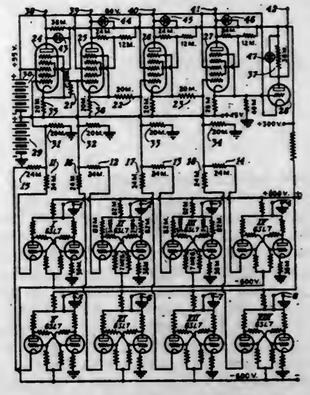
2,425,130
TELESCOPE SIGHT MOUNT
Lewis A. Shelley, Portland, Oreg., assignor of one-half to Fannie M. Folkers, Portland, Oreg.
Application October 31, 1944, Serial No. 561,188
3 Claims. (Cl. 42—1)



3. A top ejecting breech loading fire arm comprising a barrel, a receiver open at the top for the ejection of empty shells, a reciprocating bolt, a telescope holding member pivotally connected to the receiver to turn about an axis extending lengthwise of the barrel and being movable between an operative and an inoperative position, means carried by the bolt and cooperating with said holding member to turn the latter about its axis as the bolt reciprocates, and means rendered operative by the final forward movement of the bolt to lock the holding member in its operative position.

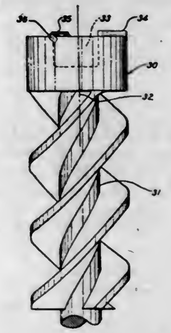
2,425,131
ELECTRONIC COMPUTING CIRCUIT
Richard L. Snyder, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1945, Serial No. 575,124
6 Claims. (Cl. 235—61)

5. The combination of first and second electron discharge elements each including a cathode and anode, first and second control grids and a screen grid, means including an impedance device for applying operating potential to said anodes and screen grids, means including a pair of impedance devices each connected in the lead of a different one of said cathodes for biasing said cathodes to a predetermined positive potential, means for biasing said second control grids to a predetermined positive potential, means for raising the potentials of said first control grids by discrete steps, means connected between the



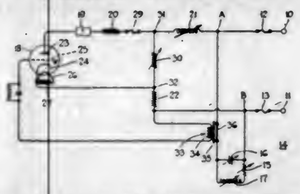
cathode of said first element and the first control grid of said second element for raising the first control grid potential of said second element by one discrete step when the first control grid potential of said first element has been raised by two discrete steps, and means connected to said anodes for providing the same indication in response to first control grid potentials which have been raised by one and by three discrete steps.

2,425,132
BIT
Stanley Archer Stokes, Pasadena, Calif.
Application November 29, 1946, Serial No. 712,770
16 Claims. (Cl. 255—69)



16. In a drill bit the combination comprising a rotatable shaft having an exterior screw thread, a disc-shaped head of eccentric external circumference mounted at one end of the shaft having a face transverse to the axis of rotation of the shaft, a plurality of grinding teeth set in the face and extending transverse to the axis, the outer ends of the several teeth being set at different distances from the axis and substantially flush with the side of the head, the head being free to wobble slightly in a hole being drilled, whereby the teeth exert both a rotary and lateral grinding action in the hole.

2,425,133
POWER FACTOR INDICATING APPARATUS
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 31, 1944, Serial No. 528,992
7 Claims. (Cl. 172—245)

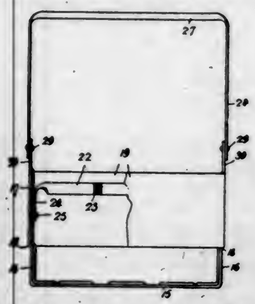


1. Power factor indicating apparatus comprising a gas filled tube including a control element, cathode and anode, first and second load circuit terminals, an ammeter connected between the tube anode and the first of said terminals, a first resistor connected between said tube cathode and the second of said terminals, a second resistor connected in parallel with the tube and ammeter, means for establishing a reference voltage phase angle on said anode and a peaking coil adapted for inductive relation to the load circuit, connected between the tube control element and the second of said terminals.

2,425,134
METHOD OF SEPARATING MAGNETIC IRON OXIDE SCALE FROM AN IRON-CONTAINING METAL
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 29, 1945, Serial No. 619,427
1 Claim. (Cl. 134—19)

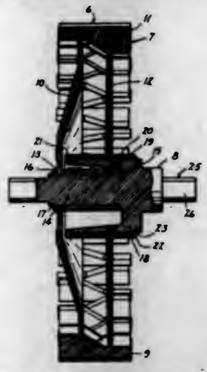
The method of separating magnetic iron oxide scale from an iron-containing metal on which said scale is formed through heat treatment which comprises heating the scale-coated surface of the metal within a time period of less than one second from room temperature to a temperature within a range of 150° to 500° F., and permitting the metal surface to return to room temperature.

2,425,135
ARTICLE CARRIER
Harold G. Suiter, Baltimore, Md.
Application July 27, 1945, Serial No. 607,328
12 Claims. (Cl. 224—45)



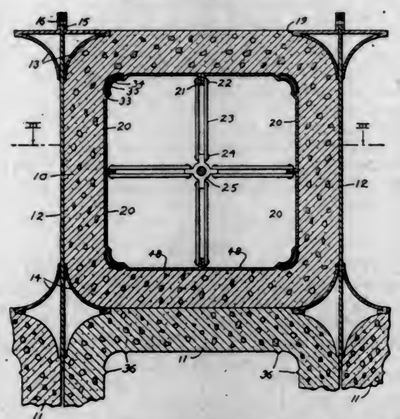
1. A carrier comprising a tray including a bottom and end walls so constructed as to permit interfitting and nesting engagement with another tray of identical construction, brackets secured within said trays to engage and hold articles stabilized therein and against engagement with one another, and said brackets movable within their respective trays to positions out of the path of interfitting portions of another tray when the trays are in nested relationship.

2,425,136
THREAD-ADVANCING REEL
George P. Torrence, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 4, 1944, Serial No. 561,942
8 Claims. (Cl. 28—71.7)



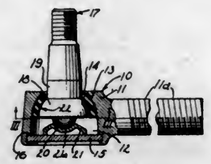
1. Means for rotatably supporting a thread-advancing reel, the thread-bearing periphery of which is defined by two interdigitating sets of bar members, said means comprising two generally cylindrical hub members so disposed that one substantially completely encompasses the other, said hub members having their axes offset and inclined with respect to each other and supporting said sets of bar members in rotatable relation thereto.

2,425,137
CORE FORM FOR CASTING CONCRETE TUBES
Arthur E. Troiel, Berkeley, Calif.
Application January 13, 1943, Serial No. 472,283
3 Claims. (Cl. 25—128)



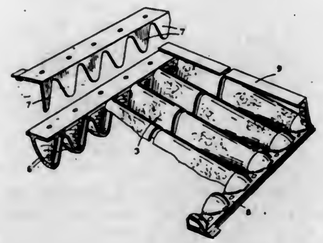
1. Forms for casting rectangular tubular members including rectangular inner form members, means for contracting the walls of said members to permit them to be stripped from the castings, the corners of said inner form members being bent inwardly to clear the corners of the casting, and separable false corner forms overlying the inwardly bent portions.

2,425,138
RUBBER BUSHED TIE ROD JOINT
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application October 30, 1941, Serial No. 417,078
9 Claims. (Cl. 287—85)



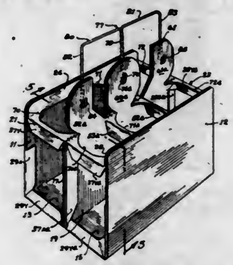
1. A joint construction comprising a socket having a fragmental spherical inner bearing wall, a bushing unit having a fragmental spherical outer bearing wall seated on the inner bearing wall of the socket, a stud member having a bearing wall disposed in said socket and converging in the same general direction as the fragmental spherical inner wall of the socket, said bushing unit having an inner bearing wall receiving said bearing wall of the stud in relatively rotatable relation, said bushing unit having a resilient member between the bearing walls thereof, and a closure plate for said socket cooperating with said stud to stress said resilient member to maintain the bearing walls in proper bearing engagement.

2,425,139
FILTER
Cecil Gordon Vokes, London, England, assignor to Vokes Limited, Guilford, Surrey, England
Application December 21, 1943, Serial No. 515,171
In Great Britain November 19, 1942
3 Claims. (Cl. 183—71)



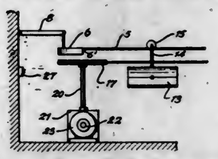
1. A filter panel comprising a pleated filter element having a series of pleats with spaces between the folds thereof, sealing means at one end of said element and closing the spaces between the folds of the pleats on one side of the series of pleats but leaving open the spaces between the folds of the pleats on the opposite side of said series of pleats, and sealing means at the other end of the element and closing the spaces between the folds of the pleats that are open at the first mentioned end.

2,425,140
BOTTLE CARRIER CARTON
William H. Allen, Rutherford, N. J., assignor to Empire Box Corporation, Garfield, N. J., a corporation of Delaware
Application March 26, 1945, Serial No. 584,875
24 Claims. (Cl. 224—45)



1. In a carton of the character described formed from cardboard or the like material, a bottom wall section, a side wall section and a partition wall section joined along fold lines to opposite edges of said bottom wall section, a bottle receiving section having a plurality of bottle receiving openings formed therein and connected along fold lines along its opposite edges to said partition wall section and said side wall section, and handle flaps formed from material cut from said bottle receiving openings and extended upwardly in an integral and uncreased relation from said partition wall section.

2,425,141
ENDLESS CABLE MAIL CARRIER
John H. Bernau, Ogden, Iowa
Application August 22, 1945, Serial No. 612,005
1 Claim. (Cl. 198—130)

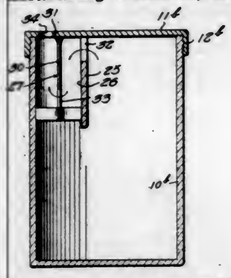


An article-handling apparatus comprising an endless track, including a pair of side cables, a rigid, semi-circular track section at each end of the track and to which the ends of the cables are connected to form a continuation of the track, brackets supporting said rigid track sections to supporting structures, pulleys journaled beneath the rigid track sections of the same radius as said sections and axially aligned vertically therewith, an endless drive cable trained on the pulleys to form sides vertically aligned with said side cables, a carriage connected to the drive cable and including means adapted to travel on the track, and means for driving one of said pulleys.

2,425,142
MEASURING AND DISPENSING CONTAINER
John T. Brubaker, Luray, Va.
Application April 15, 1944, Serial No. 531,165
16 Claims. (Cl. 222—455)

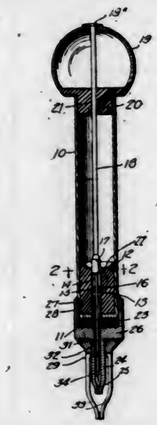
1. In combination, a container having a dispensing opening, a wall integral with the main wall of the container removable means in the container and positioned by said walls and coacting with the latter to measure and dispense the contents through successive angular manipulation

thereof, said removable means including a bottom for said measuring chamber, and a closure



for the container bearing against said means and aiding in maintaining it in place.

2,425,143
RULING PEN
John T. Brubaker, Luray, Va.
Application February 10, 1945, Serial No. 577,185
17 Claims. (Cl. 120—48)



1. A pen having an ink reservoir, a point, and means to feed ink from the reservoir to the point including a trap chamber, a normally closed outlet from said chamber, and a plunger co-acting with the chamber to trap ink therein and thereupon move the trapped ink so that the latter will cause said outlet to open to discharge the ink.

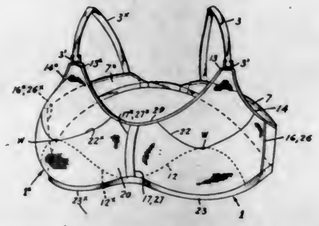
2,425,144
NITRO-ALCOHOL ESTERS OF MONO-ALLYL MALEATE
Herman A. Bruson and George B. Butler, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 9, 1944, Serial No. 553,462
4 Claims. (Cl. 260—485)

1. A monomeric ester having the formula:

$$CH_2{=}CH{-}CH_2OCO{-}CH{=}CH{-}COOR$$

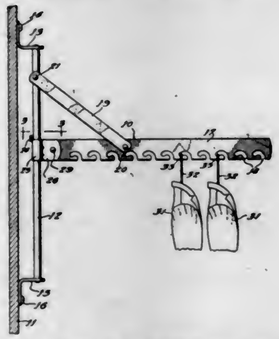
in which R is a nitro hydrocarbon radical containing at least one nitro group for each four carbon atoms thereof and is selected from the class consisting of nitroalkyl radicals containing not over four carbon atoms and nitro phenylalkyl radicals containing not over ten carbon atoms.

2,425,145
BRASSIÈRE
Joseph A. Coleman, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application April 8, 1947, Serial No. 740,074
7 Claims. (Cl. 2—42)



1. A brassière having a pair of breast pockets, each pocket being constituted of two pieces, each piece having inwardly tapering side edges and a base edge defined by two of the terminal points of the said side edges, the other terminal points of the tapering side edges being more closely spaced, the tapering side edges of one piece being conterminously secured respectively to the tapering side edges of the other piece, with the terminal points of the base edge of one piece disposed, together with the said pair of more closely spaced points of the other piece, at the upper corners of the pocket, and with the terminal points of the base edge of the second mentioned piece disposed, together with said pair of more closely spaced points of said first mentioned piece, at the lower corners of the pocket.

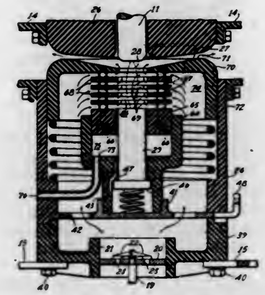
2,425,146
COLLAPSIBLE CLOTHING HANGER
James L. Comis and George Nestos, Chicago, Ill., assignors of one-third to Paul Uher, Chicago, Ill.
Application March 9, 1945, Serial No. 581,826
7 Claims. (Cl. 211—97)



1. In a device of the character described, a supporting member adapted to be suspended in a vertical position from a vertical supporting surface, an article-supporting bar, a slidable member slidably mounted upon the said supporting member for movement axially thereof, a link having one end portion pivotally connected to the said supporting member and having its other end portion pivotally connected to the said article-supporting bar between the ends of the latter, means cooperating with the said slidable member to provide a pivotal connection between

the said article-supporting bar and the said slidable member, means on the said supporting member engageable with an end portion of the said article-supporting bar for releasably supporting an end portion of said article-supporting bar against downward movement when the said article-supporting bar is in substantially horizontal position, and said supporting member having a stop member thereon above the said slidable member and engageable by the latter for limiting upward movement of the said slidable member and the said article-supporting bar axially of the said supporting member when the said article-supporting member is disposed in a substantially horizontal article-supporting position.

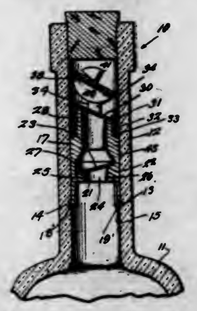
2,425,147
CIRCUIT INTERRUPTER
Clinton L. Denault, Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,688
6 Claims. (Cl. 200—150)



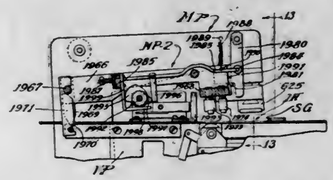
1. In a circuit interrupter, means including a plurality of spaced ring-shaped plate members defining an elongated generally cylindrical substantially enclosed arc passage, a relatively stationary contact disposed at one end of the arc passage and substantially blocking the same at this end, a movable rod-shaped contact separable from the stationary contact to draw an arc through the arc passage, fluid moving means for forcing fluid radially inwardly toward the arc between the spaced ring-shaped plate members, venting means disposed adjacent the other end of the arc passage, and valve means responsive to the pressure within the arc passage and disposed adjacent the other end of the substantially enclosed arc passage to control the exhaust of fluid out of the venting means.

2,425,148
NONREFILLABLE CONTAINER
Samuel Freedman and Abraham Bradin, Asbury Park, N. J.
Application September 8, 1945, Serial No. 615,122
1 Claim. (Cl. 215—25)

In a non-refillable bottle having a neck portion with opposed locking recesses formed in the inner wall thereof, a plug body insertable in said neck portion formed with a longitudinally extending bore and opposed depending resilient arms formed with laterally extending locking ears adapted to seat in said opposed locking recesses, said plug being formed with an enlarged chamber having an annularly sloping seat formed about said passage, a flat valve hinged to the lower edge thereof to seat on said sloping seat, the upper end of said plug being reduced and having its upper surface sloped to form an annular seat oppositely sloped to the slope of said first-mentioned seat, a flat valve hinged to the lower edge thereof to seat on said last-mentioned sloping seat, a guard supported upon said reduced portion of said plug to overlie said upper valve in spaced relation thereto, and said guard comprising a split disk-shaped body connected at its central portion to radially extending overlapping segments being disposed at varying angles with respect to each other.



2,425,149
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Original application October 25, 1941, Serial No. 416,548. Divided and this application December 13, 1943, Serial No. 514,067
9 Claims. (Cl. 101—57)

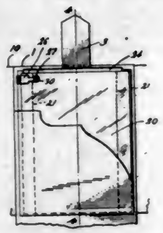


5. In a printing machine having a printing station, platen mechanism at said printing station comprising a pair of platen members independently mounted for movement along similar paths through printing and return strokes, a platen actuating means, and means to render said platen actuating means operable selectively to actuate one or both of said platen members.

2,425,150
POCKETBOOK
Lewis M. Greenway, Lansdowne, Pa.
Application May 15, 1944, Serial No. 535,685
3 Claims. (Cl. 129—1)

1. A device of the character described comprising a body, a flap carried by said body in overlying relation thereto and formed with an opening, a strip against said flap formed with an opening registering with the opening in the flap and with a second opening spaced from the first opening longitudinally of the strip, and said strip having a tongue passing through the registering openings to extend through and pivotally mount

a perforated member and bent to extend longitudinally of said strip with a portion passed out-



wardly through the second opening of the strip and confined between the flap and strip.

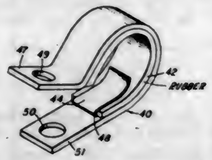
2,425,151
METHOD OF PREPARING AIR-SETTING REFRACTORY MORTARS
Herbert H. Greger, Washington, D. C.
No Drawing. Application December 2, 1943, Serial No. 512,637
5 Claims. (Cl. 106—67)

1. An air hardening refractory mortar comprising a dry composition formed of an inert refractory filler, the particles of which are coated with a water soluble aluminum phosphate, and clay.

2,425,152
PLASTIC REFRACTORY
Herbert H. Greger and John J. Reimer, Washington, D. C.; said Reimer assignor to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland
No Drawing. Application May 2, 1946, Serial No. 666,841
30 Claims. (Cl. 106—67)

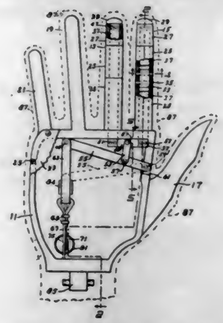
1. An air setting plastic refractory having high green and fired strengths comprising about 15 to 25% of high grade refractory clay, a refractory filler, and about at least 2½ to 5% of water soluble colloidal aluminum phosphate ranging from mono- to di-aluminum phosphate.

2,425,153
TUBE CLAMP
Robert R. Harrison, Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application October 10, 1941, Serial No. 414,417. Divided and this application October 4, 1945, Serial No. 620,208
7 Claims. (Cl. 174—40)



1. In a line grounding clip embodying a metallic supporting strap, and a cushioned seat carried by said strap and extending along the inner periphery thereof; an electrically conductive strip bent intermediate its ends and positioned astride an end of said cushioned seat with one of its end portions extending between said seat and said strap and with its other end portion overlying the outer face of said seat for interposition between said seat and a conduit imposed on the latter to effect electrical connection between said conduit and said strap around the terminus of said cushioned seat.

2,425,154
ARTIFICIAL HAND AND CONTROL MECHANISM
Frank K. Hibbard, Detroit, Mich.
Application January 28, 1946, Serial No. 643,856
5 Claims. (Cl. 3—12)

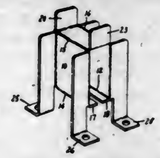


1. In combination in an artificial hand, a hand housing enclosing a hollow space, a plurality of articulated digital members extending pivotally from said hand housing, each of said articulated digital members comprising a plurality of phalanges similar to the bones in a human finger, an aperture of substantially rectangular cross-section extending axially through each of the intermediate phalanges and into the terminal phalanges, knuckle blocks extending into adjacent ends of the apertured phalanges, the side-to-side dimension of said blocks fitting snugly into the apertures and the front-to-back dimension of each block being smaller than the corresponding dimension of the aperture to provide front and back spaces for operative members, the hand housing being apertured suitably to receive the end of the block link from the adjacent end of the adjacent phalange, pivot pins extending sidewise through the ends of said knuckle blocks into the sidewalls of the apertures for pivotally joining phalanges together in articulated relation from the hand housing, a straightening spring of flat ribbon form secured into the end of each terminal phalange and extending slidably through the back spaces and into the aperture in the hand housing for straightening each digital member, a pull strap secured into the outer end of each of the terminal phalanges and extending slidably through the front spaces in the phalanges into the hand housing, and actuation means for pulling and holding said pull straps for flexing and gripping articulated digital members.

2,425,155
COIL SUPPORT
Samuel F. Jarvis, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1946, Serial No. 662,494
4 Claims. (Cl. 242—123)

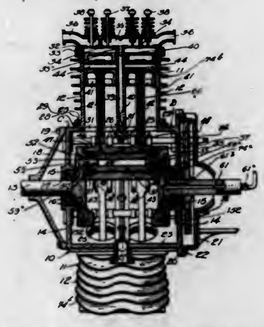
1. A support for an electric coil comprising a rectangular sheet of metal having a body portion bent along two parallel transverse lines equidistant from its ends to form three sides

of a spool body, integral end portions on each side of said body portion bent relative to said



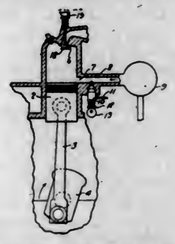
body portion to form end flanges, and extensions on a plurality of end portions forming supporting legs for said spool body.

2,425,156
INTERNAL-COMBUSTION ENGINE
Lloyd O. Knight, Clarendon, Pa.
Application March 12, 1943, Serial No. 478,931
8 Claims. (Cl. 123—55)



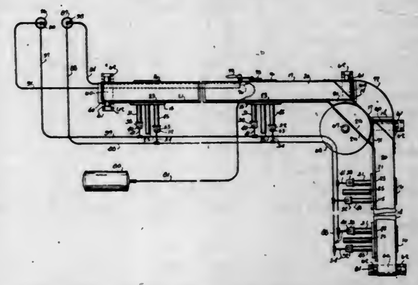
2. An internal combustion engine having a crank case, cylinders associated therewith, a shaft having a crank operable in said crank case, pistons operable in said cylinders, said crank case comprising sections having end walls and cylindrical walls disposed end to end and in abutment, said sections at their abutting ends having integral depressed portions registering with each other and collectively forming an intake manifold spaced from said end walls for the supply of fuel to operate said pistons.

2,425,157
TWO-CYCLE INTERNAL-COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Original application October 30, 1943, Serial No. 508,299, now Patent No. 2,403,106, dated July 2, 1946. Divided and this application March 29, 1946, Serial No. 658,037
3 Claims. (Cl. 123—65)



1. A two-cycle internal combustion engine comprising a cylinder, a reciprocating piston in said cylinder, intake and exhaust ports, one of which is controlled by said piston and the other port being located in the top of said cylinder, valve means for controlling said other port in the top of the cylinder so that said port opens and closes substantially simultaneously with the piston controlled port, a source of air under compression connected to said intake port whereby air under pressure flows into the cylinder through said intake port as soon as the intake port opens, and a fuel injector for injecting fuel into the stream of air under high pressure before it passes through the intake port, said injection occurring while the intake and exhaust ports are open and after the flame in the cylinder has died out.

2,425,158
ADJUSTABLE GUIDE FOR CONVEYER SYSTEMS
Anthony M. Masich, Winston-Salem, N. C.
Application January 26, 1946, Serial No. 643,636
6 Claims. (Cl. 198—28)

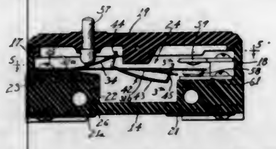


2. In a combination, a plurality of endless conveyors disposed in angular relation to each other, means for transferring packages from one conveyor onto the proximate end of the next conveyor, said conveyors having guide strips at each side thereof for guiding the packages being conveyed by the conveyors, means for movably supporting at least the guide strips on one side of the conveyors for movement toward and away from the other guide strips, means normally holding the movable guide strips in a position to accommodate the largest size of packages being conveyed, fluid pressure operated means for moving the movable guide strips relative to the other guide strips to a position to accommodate smaller sized packages, other fluid pressure operated means for moving the movable guide strips towards the other guide strips to accommodate still smaller packages being conveyed by the conveyors, a piping system connected to all of the fluid pressure operated means and a single valve for selectively allowing fluid under pressure to move to a set of fluid pressure operated means for moving all of the movable guide strips and at the same time venting the fluid under pressure from the other fluid operated means.

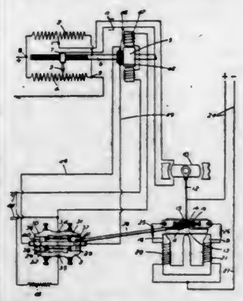
2,425,159
ELECTRIC SNAP SWITCH
Edward P. Meyer, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application January 28, 1944, Serial No. 519,984
9 Claims. (Cl. 200—67)

1. The combination in a snap acting control mechanism of a snap spring system comprising

spaced tension members arranged in edgewise spaced parallel relation mounted at one end and interconnected at their opposite ends to provide an end free to move between opposed positions, actuating means disposed between the tension members positioned to move through the plane of the tension members with a snap action to move the free end between said opposed positions, said actuating means comprising an actuator element having a movable end and a resilient compression element having one end supported on said free end, the movable end of said actuator element and said compression element being pivotally connected to form a connection providing an axis of maximum stress for said spring system and for movement of said elements through the axis of maximum stress between opposed positions of reduced stress and thereby move said free end between said opposed positions thereof with a snap motion, a carrier comprising arms carried on said tension members in spaced relation to said free end and projecting in the direction of said free end, and means interposed between said snap spring system adjacent said free end and said carrier for engaging the carrier with a snap action after said snap spring system has crossed its axis of maximum stress in either direction.

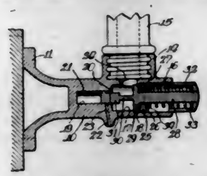


2,425,160
ELECTRICAL FOLLOW-UP SYSTEM
John Cuthbert Needham, London, England, assignor to Evershed and Vignoles Limited, London, England, a company of Great Britain
Application October 3, 1944, Serial No. 557,028
In Great Britain November 12, 1943
9 Claims. (Cl. 318—29)



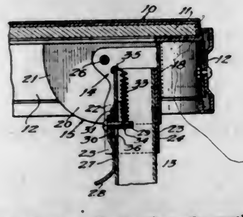
1. In an electrical follow-up system, the combination of an initiating device, a controlled appliance, a reversible electric motor in driving relationship with said controlled appliance, a reversing switch connected to reverse said motor, a reversible electro-magnetic relay in operative connection with said reversing switch and bearing windings which respectively, on being energised, cause actuation of the moving element of said relay in opposite directions and pairs of contacts respectively in circuit with the windings of said relay, said pairs of contacts being associated with said initiating device so as to be closed respectively upon movement of said initiating device in each of the opposite directions to energise one or other of the windings of said relay and being in operative connection with the moving element of said relay so that the closure of each of said pairs of contacts and the consequent actuation of said reversing switch are of a transient nature causing short impulses to be imparted to said electric motor.

2,425,161
LIQUID DISPENSING VALVE
Fred W. Opitz, Chicago, Ill.
Application June 14, 1945, Serial No. 599,358
6 Claims. (Cl. 222—340)



1. A liquid dispensing valve comprising a casing, an internally threaded collar formed integrally therewith for supporting an inverted bottle thereon, there being a longitudinal bore in said casing forming a liquid chamber and a valve chamber, an inlet port communicating said collar with said liquid chamber, a nipple formed integrally with said casing having an outlet port communicating with the valve chamber, there being a passageway in said casing forming a constant communication between said chambers, and a plunger mounted in said bore for controlling said inlet port and said outlet port.

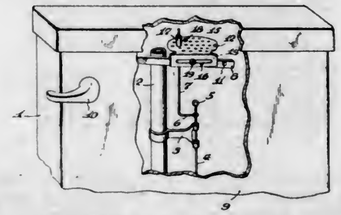
2,425,162
COLLAPSIBLE TABLE LEG HINGE AND LATCH STRUCTURE
Floyd M. Overbey, Chicago, Ill., assignor to Ero Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1944, Serial No. 542,184
1 Claim. (Cl. 311—99)



In a device of the character described, a substantially U-shaped rigid hinge member having an end wall and spaced integral similarly shaped and sized side-walls fixedly secured to the under side of a table top adjacent a corner thereof, the said side walls being arranged in spaced parallel vertical planes and having arcuately shaped edges with notches therein which open into the arcuate edges thereof, a table leg polygonal in cross-section at its hollow upper end, another substantially U-shaped movable hinge member having an end wall and integral similarly shaped and sized side-walls fixedly secured to and having a portion thereof extending beyond the upper end of the table leg with portions of its side-walls and the said end wall engaging certain of the polygonal portions of the upper portion of the table leg and having similar portions of the side-walls thereof each having a slot therein, and

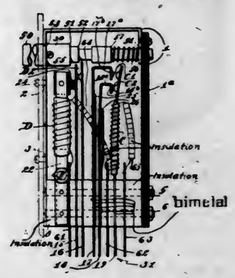
which last mentioned side walls project beyond another polygonal upper portion of the table leg oppositely of the portion engaged by the end wall of the movable hinge member thus providing a space between the said similar projecting portions of the side walls of the movable hinge member adjacent the upper end of the table leg, the movable hinge member being disposed in the space between the side-walls of the fixed hinge member with each hinge member having registered openings in their side walls, a pintle pin positioned in the said registered openings in and forming a pivot for the table leg, a substantially flat rectangularly shaped latch member positioned in the space between the projecting portions of the side-walls of the movable hinge member and contacting and slidable on the polygonal face of the table leg and having its ends extending through the slots in the movable hinge member and projecting beyond the sides of the table leg in engagement with the arcuate edges of the fixed hinge member, an elongated latch operating member having an offset end portion thereof overlying and contacting the latch member in the space between the projecting portions of the side-walls of the movable hinge member and an intermediate portion thereof slidably engaging the polygonal face of the table leg and with its other end extending outwardly from the table leg to form a finger piece, the last mentioned polygonal face of the table leg having an elongated slot therein, the latch and latch operating members each having a registered opening which are in registry with the elongated slot, a bolt extending through the said openings and maintaining the latch and operating means therefor in proper association and having one end projecting through the last mentioned slot and into the hollow table leg, a coil spring within the upper hollow end of the table leg with one end thereof secured to the projecting end of the bolt and with its other end secured to the upper end edge portion of the table leg thus tensioning the latch and its operating member which are slidable in a single plane only parallel with the polygonal face of the upper end of the table leg, whereby the projecting ends of the latch ride on the arcuate edges of the fixed hinge member when the table leg is moved on its pintle and the latch enters the opposite slots in the fixed hinge member to thereby temporarily fix the two hinge members and the table leg together in extended position and by manually sliding the operating member and latch in a single plane to remove the latch from the said slots for moving the table leg to a folded position.

2,425,163
LIFT WIRE GUIDE FOR WATER CLOSET FLUSH VALVES
Gustav G. Reiwald, San Antonio, Tex.
Application September 18, 1944, Serial No. 554,692
7 Claims. (Cl. 4—57)



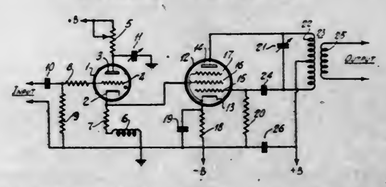
1. In combination with a water closet valve operating lever having a plurality of spaced openings therethrough and therealong, a body member having a plurality of openings therethrough within the confines thereof for the selective reception of a valve stem, said body having an apertured flange extending outwardly therefrom at right angles, and means extending through the apertured flange and through one of the openings in the lever so as to adjustably secure the body member along said lever.

2,425,164
TEMPERATURE COMPENSATED SWITCH
Elihu Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 13, 1944, Serial No. 518,130
3 Claims. (Cl. 200—122)



3. A switch system comprising a switch base, an actuating bimetallic switch strip mounted on said base, a heating coil wound on said switch strip, a first bimetallic switch spring strip and a second bimetallic switch spring strip, said strips being mounted on said base for coplanar deflection with said second spring strip arranged between said actuating strip and said first spring strip, the ends of said spring strips forming contacts extending towards the end of said actuating strip so that flexure of said actuating strip through temperature changes of said coil may cause disengagement of said end of said actuating strip first from said first spring strip and then from said second spring strip, whereas temperature changes of actuating and both spring strips leave the mechanically effective relative location of the three strips substantially unaffected, and more pronounced heating of said second spring strip from said coil promotes the tendency of said second spring strip to disengage after said first spring strip.

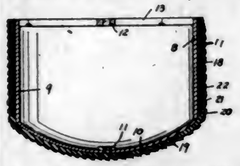
2,425,165
STABILIZED HARMONIC OSCILLATOR
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 15, 1943, Serial No. 487,095
10 Claims. (Cl. 250—36)



1. A frequency multiplier comprising space discharge means for producing discrete unilateral pulses having a periodicity equal to the cyclic frequency of a fundamental wave, each pulse

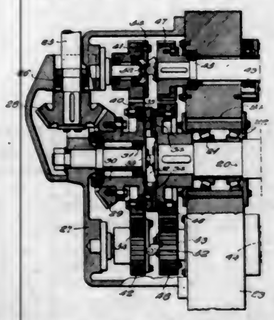
being substantially limited in duration to a half wave of a frequency harmonically related to said fundamental wave, an electronic oscillator of the type having an input circuit, said oscillator being tuned to said harmonically related frequency, and means for controlling the frequency of said oscillator by the impress of said pulses upon said input circuit.

2,425,166
METHOD OF FORMING RUBBER BAGS
Thomas S. Watson, Milwaukee, Wis., assignor to Huebsch Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 25, 1946, Serial No. 643,306
3 Claims. (Cl. 18—56)



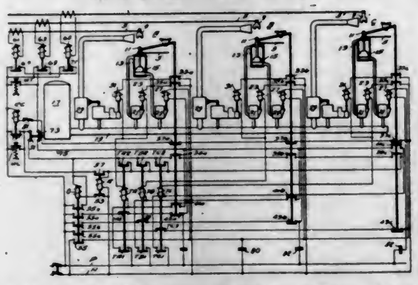
3. The method of making rubber bags which comprises taking a form having tubular siding and a convexly curved head, applying a raw rubber sheet to the siding of the form to form a cylindrical tube while rotating said form, bevelling the head end of said tube to form an edge substantially coextensive with the curved surface of said head, applying a raw rubber head to the head of the form and joining its periphery with the adjacent bevelled edge of said tube, bending over the other edge portion of said rubber siding to form a channelled edge clamped between a pair of forming rings, covering the bag thus formed with a protective material and vulcanizing the bag while on the form.

2,425,167
PRINTING PRESS
William Arnold Whitehead, Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1943, Serial No. 490,459
In Great Britain July 2, 1942
11 Claims. (Cl. 101—221)



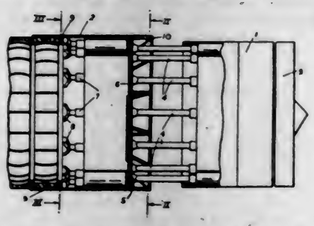
1. A late news or like printing machine comprising an impression cylinder, a pair of laterally spaced type cylinders, means for driving the impression cylinder, means for rotating the type cylinders independently of the impression cylinder and for synchronizing the surface speeds of the impression and type cylinders, means for automatically moving said impression cylinder laterally into impression engagement with one or other of said type cylinders and control means actuated when the surface speed of the latter is synchronized with that of the impression cylinder for initiating movement of said automatically moving means, and means thereafter for driving the operative type cylinder from the impression cylinder.

2,425,168
AUTOMATIC AND MANUAL RECLOSING CONTROL CIRCUITS FOR POLYPHASE SINGLE POLE CIRCUIT BREAKERS
Howard M. Wilcox and Jack E. Schrameck, Wilkinsburg, and Herbert J. Webb, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1943, Serial No. 497,584
26 Claims. (Cl. 175—294)



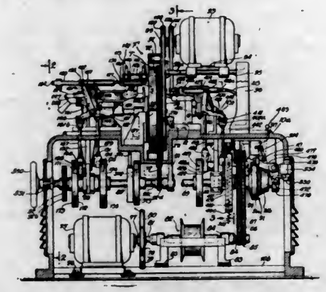
1. A multipole circuit-breaker system for controlling separate conductors of a plural conductor circuit, comprising a plurality of mechanically independent sets of current interrupting contacts, one set for each pole, and an individual operating means for each set of said contacts, a control system for said plurality of units including tripping means operable to cause energization of said operating means and circuit-opening operation of all of said circuit-interrupting units substantially in unison, closing means energizable to cause said operating means to effect closing operation of the contacts of all of said circuit-interrupting units substantially in unison, and means responsive to the position of the movable contacts for deenergizing said closing means only after the contacts of all of said pole units have closed.

2,425,169
MEANS FOR SHIELD TUNNELLING
Alford Donald Gratton Wilson, Buckhurst Hill, England
Application February 6, 1945, Serial No. 576,491
In Great Britain February 3, 1944
3 Claims. (Cl. 61—85)



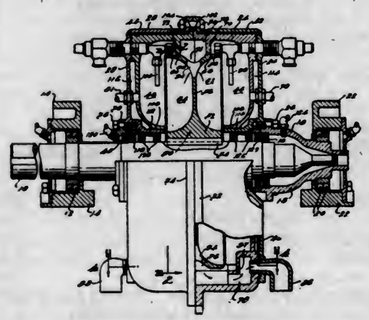
1. Tunnelling device comprising a leading shield of substantially cylindrical form carrying on its front cutting means, a plurality of rearwardly directed hydraulic rams arranged along the periphery of said leading shield near the rear edge thereof, a substantially cylindrical trailing shield provided adjacent its front edge with abuttments forming bearings for the free rear ends of said rams, the latter in their fully collapsed positions having a length to prevent the front edge of the trailing shield from reaching the rear edge of the leading shield so that the two shields are independent of one another except that the trailing shield provides the reaction for the forward movement of the leading shield.

2,425,170
CONTINUOUS HEAD TURNING MACHINE
Karl F. Wunsch, Bridgeport, and John E. Ferguson, Southbury, Conn., assignors to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application June 4, 1942, Serial No. 445,722
32 Claims. (Cl. 29—38)



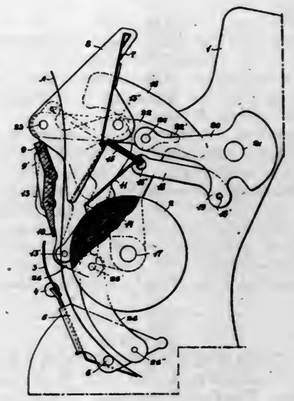
1. In apparatus of the character described, means for moving a work piece in a rotating condition along an orbital path, means operative on said work piece during its traverse along said path for effecting cutting operations thereon, means for braking rotation of said work piece during a period of its orbital travel subsequent to said cutting operations and means movable synchronously with said first-named means along a portion only of said orbital path after the rotation of said work piece has been braked for then ejecting said work piece from said first-named means while motion in said orbital path continues.

2,425,171
DYNAMOMETER
Claude C. Bennett and Harold L. Bennett, South Bend, Ind.
Application December 4, 1944, Serial No. 566,583
9 Claims. (Cl. 188—90)



1. A dynamometer comprising spaced bladed stator members having inwardly directed webs positioned axially inside of the blades thereof, and a bladed rotor positioned between the stator members and having axially extended flanges positioned to rotate adjacent the webs of the stator members to cooperate therewith to provide a circumferentially extending liquid outlet passage.

2,425,172
FRONT FEED PAPER GUIDING MEANS FOR WRITING MACHINES
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application September 8, 1945, Serial No. 615,182
4 Claims. (Cl. 197—127)



1. In a machine of the class described, the combination with a rotatable platen; of a front-feed paper guide comprising front and rear spaced plates converging to form a throat, and manipulable means for displacing said paper guide as a unit forwardly away from the platen from closed to open position for insertion of a paper sheet into the machine, said front plate being transparent, acting as a hold-back for the paper sheet, bearing a line finder line and rendering visible that portion of said sheet located above said line, said rear plate being spring-urged and yieldable rearwardly against the tension of its spring to the operator's fingers grasping the top edge of said sheet being inserted into the machine to enlarge said throat and permit alignment by hand of a line printed near the top edge of said sheet.

2,425,173
BETA-NORBORNYL ESTERS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 22, 1944, Serial No. 541,647
7 Claims. (Cl. 260—487)

1. A method for preparing esters of β-norborneol which comprises reacting an organic carboxylic acid with the cyclopentadiene-ethylene adduct (bicyclo-(2,2,1)-5-heptene) in the presence of an acidic condensing agent.

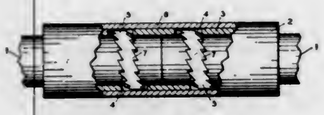
2,425,174
LUBRICANT COMPOSITION
Emmett S. Carmichael, Jackson Heights, and Theodore G. Roehner, Malverne, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application July 31, 1941, Serial No. 404,840
8 Claims. (Cl. 252—33)

1. A lubricant for use in the cold rolling of steel comprising an emulsion wherein water is the continuous phase and the disperse phase is a water-in-oil emulsion, said composition being constituted of water, a lubricating oleaginous material, an emulsifier capable of emulsifying the oleaginous material in water, and sufficient amount of a salt of a polyvalent metal to bring about the formation of an emulsion of the compound type.

2,425,175
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Paul G. Carpenter, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 23, 1945, Serial No. 630,543
4 Claims. (Cl. 252—344)

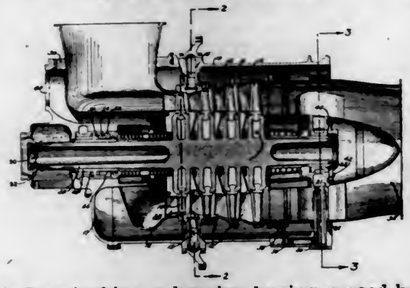
1. A process for breaking petroleum emulsions of the water-in-oil type, which comprises subjecting the emulsion to the action of an aminated chlorinated paraffin which is characterized by a nitrogen content of about 1% to about 11% and a chlorine content of about 2% to about 20%.

2,425,176
EXPLOSIVE CARTRIDGE UNIT
Lewis B. Counterman, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application August 4, 1943, Serial No. 497,288
3 Claims. (Cl. 102—24)



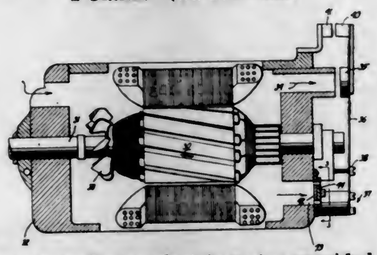
1. In an explosive device comprising a plurality of explosive units, each unit including a cartridge and a sleeve of substantially a common length, the cartridges being held in propagating relationship to each other by means of said sleeves extending across adjacent cartridge ends and forming a substantially continuous tubular reinforcing and joining member for said cartridges, the improvement comprising a chipboard thread carried on the exterior of each of said cartridges, and a chipboard thread receiving recess formed in the interior of each of said sleeves, said cartridge threads being receivable in free-threadable relationship with said recesses, lock-forming serrations carried by said threads and said recesses, said threads being slidable into serrated engagement with said recesses in response to a force tending to longitudinally pull the cartridge from the sleeve, whereby said cartridges are held in locked engagement with each other in said sleeves.

2,425,177
TURBINE CONSTRUCTION
Val Cronstedt, Marlboro, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 11, 1943, Serial No. 486,617
10 Claims. (Cl. 253—69)



1. In a turbine, a housing having spaced bearings therein, a casing within and spaced from the housing, a plurality of radial pins substantially in a single radial plane extending between the housing and casing and constituting the sole support for the casing within the housing, a turbine rotor within the casing and supported by the spaced bearings, said casing and rotor having cooperating rows of nozzles and blades, and an inlet scroll mounted on the casing and spaced from the housing, said housing having an opening through which the scroll extends.

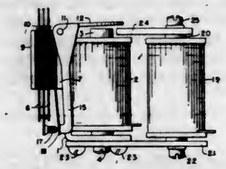
2,425,178
MOTOR CONTROL
Grant C. Ellerbeck, San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application November 27, 1943, Serial No. 512,024
1 Claim. (Cl. 171—222)



A governor for an electric motor provided with a ventilating fan, a leaf spring having means thereon to provide a surface subject to the pressure of air from said fan, said spring tending to oppose said air pressure, electric contacts in the motor circuit, movement of said spring serving to open and close said contacts to govern the speed of said motor in accordance with air pressure exerted by said ventilating fan, and an adjustable outlet in the casing of the motor to vary the effective air pressure on the governor.

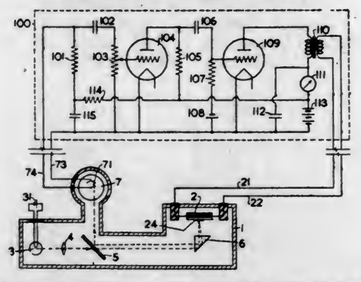
2,425,179
SPLIT-PHASE RELAY
Alfred H. Faulkner, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 3, 1944, Serial No. 543,327
8 Claims. (Cl. 175—338)

1. In a relay having a substantially E-shaped core, a first winding on the center leg of the core, a second winding on one of the outer legs of the core, an armature pivotally secured to the other outer leg of the core extending to a point



between said one outer leg and the center leg, and a bridging member extending from said one outer leg to a point between said center leg and the free end of said armature.

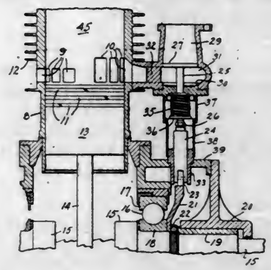
2,425,180
MAGNETIC FIELD MEASUREMENTS
Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 15, 1943, Serial No. 514,581
3 Claims. (Cl. 175—183)



3. A system for magnetic field measurements comprising a coil, means pivoting said coil for oscillation in said field, a light source, a photo-electric element, optical means carried by the coil for varying the illumination of the photo-electric element proportionally to the oscillation of said coil, a circuit comprising amplifier means energized by the output of said photo-electric element, said amplifier means having grid control means for varying the amplification gain thereof, rectifier means connected to the output of said amplifier means in said circuit for rectifying a portion of the output of said amplifier means, means for passing the non-rectified portion of said amplifier output through said coil, means for applying the rectified portion of said amplifier output to said grid control means to bias said amplifier means, whereby the gain ratio of said amplifier means is kept at a value necessary for just maintaining said coil in oscillation by the reaction of the current passed therethrough with the magnetic field in which the coil oscillates, and indicator means in said circuit for indicating a value proportional to said gain ratio.

2,425,181
INTERNAL-COMBUSTION ENGINE AND ATTACHMENT
Edwin M. Fisk, Los Angeles, Calif., assignor of one-half to James H. Reid, Steiner A. Larsen, and Roy E. Binkert, copartners, doing business as Reid Manufacturing Company, Los Angeles, Calif.
Application March 6, 1945, Serial No. 581,206
8 Claims. (Cl. 123—65)

6. In an attachment for a two-cycle, internal combustion engine, a cylinder having intake and exhaust ports and having a piston reciprocable to cover and uncover the ports: a conduit to connect with the exhaust port, a valve in said conduit, a spring to open and hold said valve open



during the downstroke of the piston and means arranged to be connected to be operated by the upstroke of the piston to close the valve and hold same closed until the piston covers the ports in said cylinder.

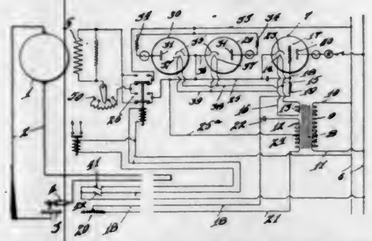
2,425,182
FUNNEL FOR RAYON SPINNING
Vernon F. French, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application September 17, 1945, Serial No. 616,675
1 Claim. (Cl. 57—76)



A funnel for spinning rayon, comprising an outer rigid tubular member having a substantially uniform inside diameter, a plurality of spaced thread-guiding inserts of rigid abrasion-resistant material in said member, substantially non-resilient spacing sleeves having larger internal diameters than said inserts for separating said inserts and positioning them longitudinally of said member and holding them rigidly and non-rotatably as thus positioned, said inserts and spacing sleeves making up a group in their assembled relation in the funnel, a substantially conical mouthpiece secured externally to the upper end of said member and constructed and arranged to determine the upper limit of said group of said inserts and spacing sleeves, a tip insert associated with the lower end of said member and constructed and arranged to determine the lower limit of said group of inserts and spacing sleeves, means for holding said tip insert rigidly and non-rotatably to and within said member, whereby said thread guiding inserts and spacing sleeves and said tip insert will be held rigidly with said outer tubular member during all movements of said funnel, said tip insert being of such length and so located in respect to said outer tubular member as to extend beyond said member by a distance sufficient so that the thread passing from said tip insert will be maintained out of contact with said tubular member during the operation of the apparatus, said means for holding said tip insert rigidly and non-rotatably within said member comprising an intermediate annular sleeve having a bearing on both said member and said tip insert of at least one-half inch longitudinally of said funnel, and said intermediate sleeve ex-

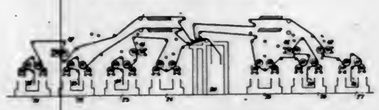
tending out beyond the end of said member by an amount sufficient to permit the grasping thereof in disassembling the parts of the funnel, but short of the end of said tip insert, so as not to be engaged by the thread during the normal functioning of the device.

2,425,183
CONTROLLER SYSTEM FOR ELECTRIC WELDING APPARATUS
Leo C. Hall, Cincinnati, Ohio
Application March 24, 1945, Serial No. 584,518
1 Claim. (Cl. 171—312)



In an electric welding system, a direct current generator having a field winding, a circuit for supplying an exciting current to the field winding from a current source independent of the generator current, a grid controlled space discharge device having anode and cathode elements in said field winding exciting circuit, a grid circuit for the field winding exciting current control having an independent current supply, a manually regulatable variable resistor in said grid circuit, of a type for selectively sensitively varying the resistance of said resistor in said grid circuit for modifying the field winding exciting current and relatively governing the generator current and rectifier means in shunt connection with said field winding exciting circuit and intermediate of said controlled space discharge device and field winding.

2,425,184
PRINTING PRESS
Charles Alonzo Harless, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1943, Serial No. 487,571
1 Claim. (Cl. 270—5)

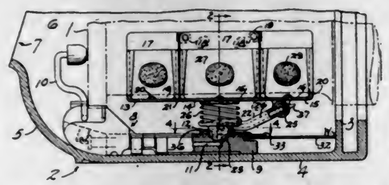


In a printing press, in combination, a former folder, four double impression printing couples in line on one side of said former folder, one couple of each of said double printing couples being reversible, a reversible single impression printing couple separate from the first and second double impression couples, and positioned above and between them and capable of cooperation therewith, a second reversible single impression printing couple separate from the third and fourth double impression couples, and positioned above and between them and capable of cooperation therewith, a fifth, sixth and seventh double impression printing couple in line on the other side of said folder, one couple of each said fifth, sixth and seventh double impression couples being reversible, a reversible single impression printing couple separate from the fifth and sixth double impression couples, and positioned above and between them and capable of cooperation therewith, and another reversible single impression couple separate from the sixth and seventh double impression couples, and positioned above and between them and capable of cooperation therewith.

2,425,185
INSECTICIDAL COMPOSITION
Vernon E. Haury, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 17, 1944, Serial No. 545,400
13 Claims. (Cl. 167—24)

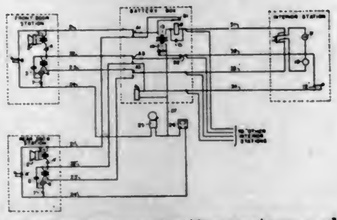
10. An insecticidal composition comprising pyrethrum and an N-cyclo-substituted cyclo-olefinic imine having the imino nitrogen atom linked between two ring carbon atoms.

2,425,186
LUBRICANT DISTRIBUTOR
James J. Hennessy, Montclair, N. J.
Application December 1, 1943, Serial No. 512,465
11 Claims. (Cl. 308—84)



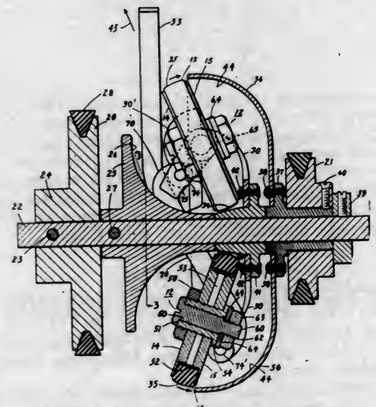
1. In a lubricant distributor for a railway axle journal, a plurality of pan-like members arranged for application end to end and lengthwise of the surface of a journal to be lubricated and connected to each other so as to swing about pivots extending transversely of the length of the distributor, and thereby provide for insertion of the distributor into a journal box past the end of the journal, and a conduit pivotally connected to one of the members and extending downwardly therefrom to contact a pump body, a spring associated with the lower portion of the said conduit and another of said members to support the latter and thru it the other members.

2,425,187
INTERCOMMUNICATING SYSTEM
Roswell H. Herrick, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 26, 1945, Serial No. 590,472
7 Claims. (Cl. 179—1)



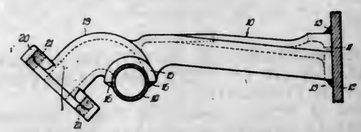
1. In an intercommunicating system, a plurality of first stations and a second station each including telephone instruments, a plurality of audible signal devices for producing sounds of different character, each of said signal devices corresponding to one of said first stations, a switch at each of said first stations for operating the corresponding one of said audible signal devices, the telephone instruments at said second station being normally associated with the telephone instruments at one of said first stations in response to the answer of a call, means controlled by said second station for disassociating the telephone instruments thereat from the telephone instruments at said one first station and for associating them with the telephone instruments of another of said first stations to establish two way communication therebetween, said audible signal devices serving to indicate the origin of a call initiated by any of said first stations.

2,425,188
MOTION TRANSMITTING MEANS AND ADJUSTMENT THEREOF
Hans Honigman, East Cleveland, Ohio
Application December 18, 1943, Serial No. 514,737
8 Claims. (Cl. 74—200)



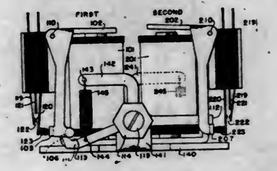
1. In a variable speed drive device, a rotatable shaft, a first rotatable flange having a curved face portion and a straight portion tangent to said curved face portion, means rigidly connecting said first flange to said shaft with said straight portion close thereto, a second rotatable flange having a curved face portion and a straight portion tangent to said curved face portion, said second flange being mounted concentrically on said shaft for rotatable motion with respect thereto with said straight portion spaced away from and substantially parallel to the straight portion of said first flange, a friction roller mounted for rotary motion and positioned between said first and said second rotatable flanges, means for moving said friction roller into engagement with both of said curved face portions for transmitting rotary motion from one of said flanges to the other at variable speeds depending upon the position of said friction roller with respect to said first and second curved face portions, the axis of said friction roller lying parallel to said shaft when motion is transmitted from said first to said second rotatable flange at the lowest speed ratio and the peripheral surface of said roller gradually coming into contact substantially simultaneously with the said straight portions of said first and second flanges whereby said second rotatable flange very gradually starts to rotate as said first flange drives said friction roller.

2,425,189
COMBINATION PIPE ANCHOR AND BRANCH PIPE T
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1944, Serial No. 539,341
2 Claims. (Cl. 285—209)



1. In combination with the continuous air line or pipe of a railroad car, said pipe on one side being provided with an opening; a combination pipe anchor and branch pipe connection comprising a single piece casting formed to provide an elongated bracket arm adapted at one end to be intimately secured to a car center sill while the other end is provided with a transversely disposed semi-cylindrical open sided saddle portion provided with a cavity having an opening intermediate its ends, said saddle portion being adapted to overlap the opening in said air pipe and to be welded to said pipe, and a conduit portion communicating with the opening in the saddle portion and extending laterally therefrom substantially in line with said bracket arm and provided with attaching surfaces.

2,425,190
MAGNETIC RELAY
Vincent A. Johnson, Evanston, and Fredric E. Wood, Oak Park, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 9, 1944, Serial 557,788
9 Claims. (Cl. 200—98)



3. In a relay arrangement, interlock levers, springs therefor, eccentric mounting members therefor, a relay mounting plate having two projecting portions turned up at right angles to the base and parallel to each other with screw holes for receiving mounting screws to fasten the eccentric members, an extension at the end of said projecting portions bent on a line parallel to the base to form an anchorage for the interlock lever springs, a pair of heel pieces with double arm armatures, two non-magnetic mounting plates each equipped with one or more contact spring pile-ups to be actuated by said armatures, two relay coils one of said coils when energized causing one of said armatures to move its spring pile-up, means for locking said armature after said coil is deenergized until unlocked by the movement of said second armature.

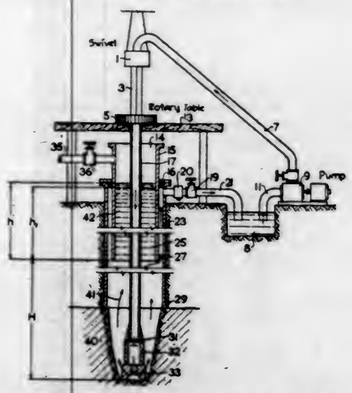
2,425,191
POLYMERIZATION OF ACRYLATES, METHACRYLATES ALONE OR IN MIXTURES, AND PRODUCTS THEREOF
Edward L. Kropa, Fairfield, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 13, 1944, Serial No. 544,826
7 Claims. (Cl. 260—84)

1. A process which comprises polymerizing an alkyl ester of acrylic acid in which the alkyl group contains from 1 to 4 carbon atoms in an at least 65% solution of zinc chloride in water.

2,425,192
POLYMERIZATION OF VINYL ACETATE ALONE OR IN MIXTURES, AND PRODUCTS THEREOF
Edward L. Kropa, Fairfield, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 13, 1944, Serial No. 544,827
3 Claims. (Cl. 260—84)

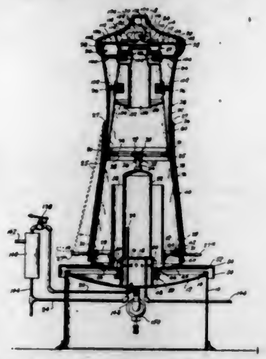
1. A process which comprises polymerizing vinyl acetate in an at least 65% solution of zinc chloride in water.

2,425,193
WELL CONTROL SYSTEM
Paul E. Lehr, Bakersfield, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 26, 1944, Serial No. 569,864
6 Claims. (Cl. 255—1.8)



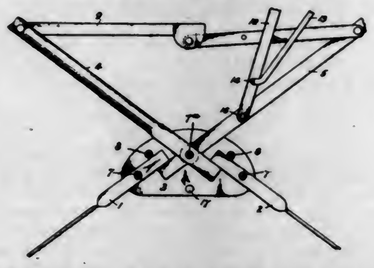
6. In a process for deepening a well by means of a rotary drill string with the employment of a drilling fluid filling said well, the steps of establishing within the upper portion of the well two concentric zones surrounding the drill string, the inner concentric zone being open at the top, lowering through said inner zone and the first fluid standing therein a drill string extending to the bottom of the well, circulating downwardly through the drill string and upwardly through said outer zone a second drilling fluid lighter than said first fluid, thereby displacing said heavier fluid by said lighter fluid from the space within the well below said two zones and from the outer zone, retaining the heavier fluid quiescent in the inner zone as a variable-level fluid packer, the downwardly acting gravity head of said quiescent heavier fluid being balanced by the upwardly acting velocity head of the circulating lighter fluid, and adjusting the level of the heavier fluid in the inner zone to balance the bottom hole well pressure by regulating the back pressure on the circulating lighter fluid.

2,425,194
GARMENT STEAMER
Carl R. Lendle, Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application December 3, 1943, Serial No. 512,755
13 Claims. (Cl. 223—70)



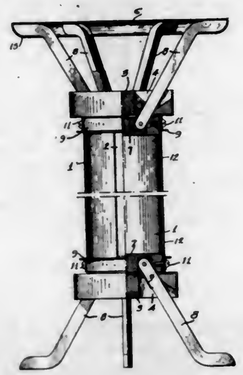
1. A garment steamer form comprising a hollow body pervious to steam having integral immovable side portions, a steam pervious flexible covering on said body and having slack portions disposed adjacent said side portions, steam pervious panels attached to the interior of said slack portions, and resilient means normally urging said panels outwardly from said body.

2,425,195
COLLAPSIBLE OR FOLDING PERAMBULATOR, COT, AND OTHER ARTICLES
Robert Lenthall, London, England, assignor to The Scholl Manufacturing Company Limited, London, England
Application January 7, 1946, Serial No. 639,625
In Great Britain January 6, 1945
3 Claims. (Cl. 280—41)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



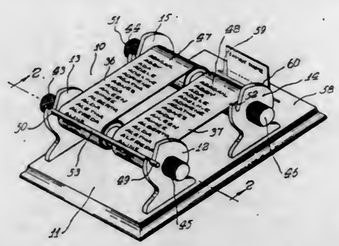
1. For incorporation in articles such as herein referred to, a collapsible frame comprising two pairs of members of substantially U-shape, a pair of side blocks, movement limiting stops in each side block, pivot pins in the blocks about which one pair of the U-shaped members can be angularly moved to abut against the stops, the second pair of U-shaped members being adapted to lock the first named pair of U-shaped members against such stops.

2,425,196
COLLAPSIBLE STOOL
Manuel A. Lopes, Vallejo, Calif.
Application February 2, 1946, Serial No. 645,109
2 Claims. (Cl. 155—136)



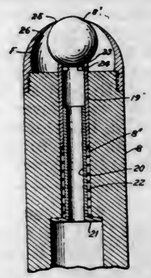
1. A collapsible stool comprising a tube having longitudinal slots and a closed end with radial slots therein; a plunger slidably mounted within said tube and movable to and from said closed end; a set of legs having one set of ends pivotally connected to said plunger and their opposite ends slidably engaging said radial slots; and a ring slidably mounted upon the outer surface of said tube and connected with said plunger through said longitudinal slots and arranged to move the same longitudinally within said tube.

2,425,197
NAME SELECTOR
Henrietta Rosa Montague, Hays, Kans.
Application December 19, 1944, Serial No. 568,927
2 Claims. (Cl. 35—1)



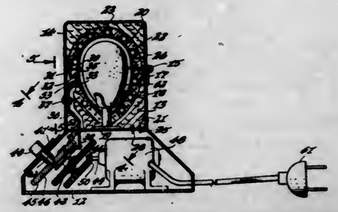
1. The described device comprising a horizontal base, a coacting pair of bearings adjacent the rear end thereof, a pair of spaced apart aligning spindles, the outer end of each being supported in said respective bearings, a floating bearing connecting and supporting the inner ends of said spindles, a roller fixedly mounted on each of said spindles, another like set of bearings, spindles and rollers adjacent the forward end of the base, a ribbon connecting and operating upon the two rollers on one side of the base and a like ribbon connecting and operating upon the two rollers on the other side of the base, both of the ribbons being exposed from roller to roller, both exposed ribbons being on a horizontal plane and movable horizontally and independently, and a device for aligning words formed in columns on each ribbon.

2,425,198
FOUNTAIN PEN
David Pelton Moore, Forest Hills, N. Y., assignor to Premium Merchandising Corporation, a corporation of New York
Application June 12, 1945, Serial No. 598,932
3 Claims. (Cl. 120—43)



1. A fountain pen, including in combination, a paste supply tube having a longitudinal bore terminating in a paste fount at one end, a ball mounted in said fount, said fount being provided with a paste outlet through which a portion of the ball protrudes and against which the ball may seat to close the fount, and a spring-actuated valve-seat-carrying-tube slidably mounted in and guided by said bore and having its upper open end engaging the ball at a point opposite to the outlet of the fount and normally holding the ball seated in said outlet, whereby as the ball is pressed upon the spring actuated valve seat the latter is moved to free the ball at the outlet for the distribution of the paste by the ball from the fount.

2,425,199
EGG COOKER
Haimi Navon, Brooklyn, N. Y.
Application October 17, 1945, Serial No. 622,724
2 Claims. (Cl. 99—440)



1. An egg cooker comprising a body having a cover hinged thereto and provided with means normally urging said cover to swing into open position, interlocking means partly on said cover and partly on said body for releasably locking said cover in closed position against said body upon swinging said cover from said open to closed position, a lever normally in substantially upright position pivoted intermediate its length and provided with means normally maintaining the lever in said upright position, said interlocking means on said body being fixed on the upper end of said lever, a dial on said body having a stem rotatably mounted therein, a knob on said stem adjacent said dial, said stem having a finger at right angles thereto on the end thereof behind said dial, a gear rotatably mounted on said stem between said dial and said finger, said gear having a plurality of recesses arranged in a circle

on that face thereof adjacent said finger, said finger having a boss thereon and being resilient thereby urging said boss against said face of said gear and to register in any one of said recesses, the lower end of said lever lying in the orbit of the extremity of said finger, motive means for turning said gear in one direction, said gear being adapted to be turned in the opposite direction to a predetermined arcuate position from the starting or zero point on said dial by said knob, said gear upon rotation thereof by said motive means through said predetermined arc carrying said finger therewith and at the end of said arc of travel swinging said lever about its pivot to disengage the said interlocking means on said body thereon from said interlocking means on said cover to release said cover.

2,425,200

MODIFYING DRYING OILS

Floyd G. Nessler, Rocky River, and Charles E. Penoyer, Garfield Heights, Ohio, assignors to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 5, 1943, Serial No. 485,722
12 Claims. (Cl. 260—398)

1. The method of modifying a non-hydroxylated, non-ketonic type of drying oil having non-conjugated double bonds to improve the oil as to at least one of the characteristics of drying speed and heat bodying speed, comprising heating the oil to a temperature in the range of 240° to 340° C. and intimately contacting the oil at such a temperature with an anhydride of saturated, aliphatic, mono-carboxylic acid having up to five carbon atoms for a time sufficient to effect such modification of the oil by contact with the anhydride.

2,425,201

METHOD FOR PRODUCING ETHYNYL CARBINOLS

William Oroshnik, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation, a corporation of New Jersey

No Drawing. Application September 11, 1945, Serial No. 615,691
2 Claims. (Cl. 260—631.5)

1. The method for producing an ethynyl carbinol comprising reacting calcium acetylide with an $\alpha\ \beta$-unsaturated ketone under anhydrous conditions in an inert solvent and hydrolyzing the resultant organic reaction product.

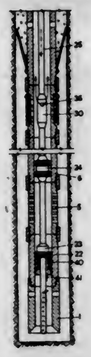
2,425,202

APPARATUS FOR COMPLETING WELLS

Peter K. Ozinga, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 12, 1943, Serial No. 472,143
2 Claims. (Cl. 166—1)

1. For use in completing wells, the combination comprising a first tubular string, means thereon for cementing said string in a well, radial windows in said string below said cementing means, yieldable closure means normally closing said windows, said closure means being adapted to open to permit an outward flow in response to fluid pressure within said string, a screen connected into said string below said windows, a second tubular string removably positioned in said first string with the lower ends of said first and second strings at substantially the same level, and upper and lower packing means carried by said second tubular string sealing the annular space between the two strings at points respectively below and above said screen, said first and second strings being open to the well below said lower packing means, whereby a washing fluid



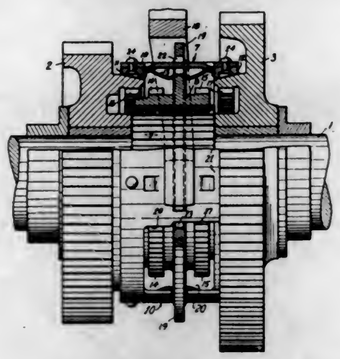
can be circulated downwardly past the outer face of said screen and upwardly through said second string out of contact with said screen.

2,425,203

SYNCHRONIZING CLUTCH

Carl D. Peterson and Robert R. Burkhalter, Toledo, Ohio; Marion F. Peterson, executrix of Carl D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia

Application October 17, 1944, Serial No. 558,986
1 Claim. (Cl. 74—339)



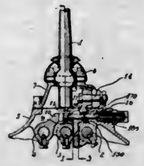
In a synchronizing clutch for automotive transmission gears which include a transmission or output shaft, a countershaft, gears on the output shaft and spaced axially thereon and normally rotatable about the output shaft, and drive gears for the former gears on the counter shaft and meshing with the former gears respectively, the intermeshing gears providing gear trains of different ratios, one of which is the starting gear when the vehicle is stationary, the synchronizing clutch being located between the former gears and including a toothed element rotatable with the output shaft, and a synchronizing friction element rotatable with the toothed element and having a rocking arcuate movement relatively thereto and shiftable into position midway between the ends of its arcuate movement when the speeds of the two parts to be clutched together synchronize, said elements being shiftable as a unit in either direction from neutral until the friction element engages and the toothed element being then shiftable axially into clutching engagement relatively to the friction element; said elements having blocking means located to coact and block relative shifting movement from neutral into the higher gear drive and to block relative movement when the shift is made into the starting gear ratio only when the vehicle is in motion.

2,425,204

GEAR SHIFTING MECHANISM

Carl D. Peterson and Elmer J. Barth, Toledo, Ohio; Marion F. Peterson, executrix of Carl D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia

Application May 26, 1945, Serial No. 596,026
2 Claims. (Cl. 74—473)



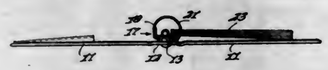
1. In a gear shifting mechanism, the combination with a plurality of shifters and a selecting and shifting lever having fore-and-aft and lateral selecting movements; of a motion transmitting member connected to one of the shifters to vary the movement thereof relative to the other shifter or shifters, said member being arranged to be selected when all the shifters are in neutral position, and spring-pressed barrier means arranged to yieldingly resist selecting of the motion transmitting member by said lever, the barrier means including a plunger carried by said member and shiftable therewith and a second plunger normally thrusting against the former and held from shifting movement with said member, the member having a surface coacting with the second plunger during the fore or aft shifting of said member to relieve the first plunger from the force of the spring.

2,425,205

LOOSE-LEAF BINDER

Reginald M. Raynolds, Summit, N. J.

Application February 21, 1946, Serial No. 649,140
5 Claims. (Cl. 129—1)



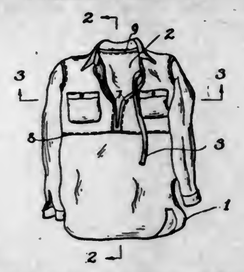
1. In an article of the class described comprising a folder including a pair of boards and a back joining the boards, a rigid strip mounted on said back in spaced relationship therewith, a binder comprising a pair of mutually hinged plates having their outer longitudinal edges bent back at an angle to form wings, one of said plates having open rings anchored at one end thereon and extending in the general direction of the other of said plates around the forward surfaces of said plates, said plates being adapted to be mutually pivoted into positions where said plates lie in a common plane and in the said positions being adapted to be slid over said strip with said wings engaging the edges of said strip, the free ends of said rings in the last-named position of said binder terminating substantially at the outer longitudinal edge of the other of said rings.

2,425,206

INFLATABLE SAFETY SHIRT

James H. Ripley, San Francisco, Calif.

Application October 14, 1944, Serial No. 558,683
1 Claim. (Cl. 9—20)



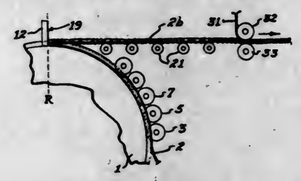
An inflatable safety shirt comprising two layers of ordinary shirt cloth which form the upper front and back portions of the shirt above the waist line; seams connecting the edges of said layers to each other at the waist line, at the lower collar edge and at the arm holes in such a manner as to obtain an all-round closed inflatable space between said layers; a shirt formed of a single layer of ordinary shirt cloth extending downwardly from the waist line seam and connected to the latter; an arm formed of a single layer of shirt cloth attached to each of the arm hole seams, and a hose formed of shirt cloth attached to an aperture in the inner layer of the upper front portion of the shirt.

2,425,207

CREPING CORRUGATED PAPERS

William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., a corporation of Ohio

Application February 19, 1940, Serial No. 319,641
6 Claims. (Cl. 154—30)



4. Apparatus for producing a creped and corrugated web which comprises means presenting a corrugated creping surface to which a web may be made to conform with the interposition of an adhesive between said creping surface and said web, means to cause said web to conform to said corrugated creping surface whereby to corrugate said web by taking it up widthwise across said surface and whereby to cause said adhesive to bind said web to said corrugated surface, and a creping doctor for removing said web from said corrugated surface, said creping doctor contacting said surface along a line normal at all points to the corrugations therein.

2,425,208

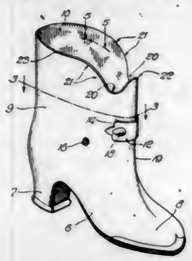
OVERSHOE-BOOT

Alfred E. Shaffer, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana

Application September 27, 1944, Serial No. 555,988
1 Claim. (Cl. 36—7.3)

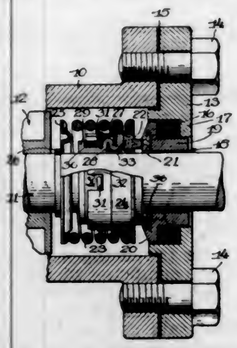
A bootee with a thin, flexible, elastically stretchy upper and having a snug elastically

stretchy form fitting foot portion by which the bootee is securely held on the foot of the wearer, the portion of the upper above said foot portion being circumferentially continuous and loose fitting to admit the foot therethrough and foldable at the front along the instep and thereabove to snug fitting form, and means attached to the



foldable portion at the upper end of the instep for folding said portion laterally against the front of the bootee and detachably fastenable to the bootee to hold said portion in snug fitting laterally folded position, said foldable portion having laterally spaced notches at the top where it folds laterally against the front of the bootee.

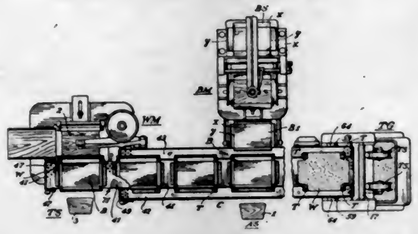
2,425,209
SEAT FOR MECHANICAL SEALS
Russel D. Snyder, Edwin J. Coleman, and Carl E. Schmitz, Chicago, Ill., assignors to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1944, Serial No. 552,094
4 Claims. (Cl. 288—1)



1. A seat for a mechanical seal comprising a ceramic ring imbedded in a molded body member, the side surface of said ceramic ring being in an exposed positon and being ground and lapped to approximate a coplanar surface, and another surface having projections thereon extending into the body member to prevent relative rotation between the ring and body member.

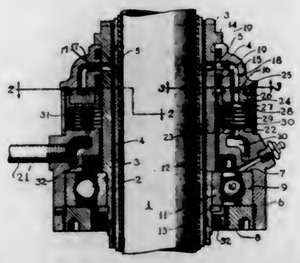
2,425,210
BOX WRAPPING SYSTEM
John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 14, 1942, Serial No. 442,919
15 Claims. (Cl. 93—54.2)

1. A sheet-transporting suction-conveyor comprising at least two endless porous belts of different lengths horizontally arranged side by side in close contiguity; a suction housing with a perforate top surface overtraveled by the upper runs of the belts and through which and said belts suction is applied to the supported sheets, said housing having a main portion of a width substantially equal to the combined width of said belts and a narrower continuation beyond one end of said main portion of a width substantially equal to that of the longer belt and offset in respect to the shorter belt, means adjacent the other



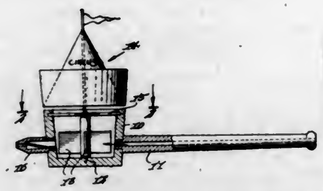
end of said housing for engaging and driving all of said belts; an idler roll beyond said extension about which the longer belt is trained; an idler roll within the offset of said housing for engaging the aforesaid shorter belt, means for displacing a portion of the lower run of one belt relative to the lower run of an adjacent other belt, and guides for engaging the opposite edges of the displaced portion of the first belt to keep it running true in close contiguity to the adjacent belt.

2,425,211
ROTARY SEAL
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 4, 1945, Serial No. 603,198
5 Claims. (Cl. 285—96.3)



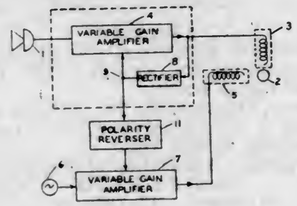
1. A rotary fluid seal for effecting the transfer of fluid between an annular passage of an annular stationary member having an annular end wall and a port in the wall of a passaged rotary member within the stationary member, comprising a pair of annular elements surrounding said rotary member and having cooperative annular bearing faces coaxial with said rotary member, one of said elements being axially spaced from the end wall of said stationary member and the other of said elements being secured to said rotary member for rotation therewith, a plurality of compression springs between said one element and said end wall urging said one element in pressure bearing engagement with the other element, and a plurality of hollow open ended members between said end wall and said one element and having their ends in sealed engagement therewith, said stationary member having fluid ports between the passage thereof and the interiors of said hollow elements, said one element having fluid ports opening from the interiors of said hollow open ended members through its said face and said other element having at least one passage between its said face and the port of said rotary member, one of said faces having an annular coaxial recess providing a distributing chamber between said faces.

2,425,212
MUSICAL AND ANIMATED TOY PIPE
Mathew A. Strumor, Brooklyn, N. Y.
Application February 2, 1946, Serial No. 645,058
1 Claim. (Cl. 46—56)



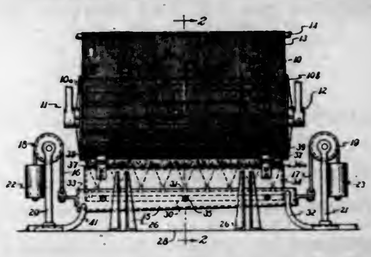
A toy pipe comprising a pipe bowl and a pipe stem, said stem extending from said bowl on a line parallel with a diameter of said bowl, said bowl having a floor and a cover and having a shaft rotatably mounted therein, a toy device movably mounted on said cover, said shaft having paddle blades thereon adapted to be actuated by the force of air blown through the stem into said bowl to rotate said shaft, means connecting said shaft with said toy device for actuation of said toy device upon rotation of said shaft, said bowl having a tubular extension on the forward side thereof in alignment with said diameter and communicating with said bowl, said extension having a whistle mounted therein and providing an exit for the air blown into said stem.

2,425,213
MAGNETIC WIRE TELEGRAPHOPHONE SYSTEM
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 5, 1945, Serial No. 592,101
16 Claims. (Cl. 179—100.2)



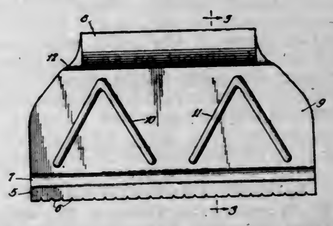
1. In a wire recording system, a wire having a first recording of signals thereon, and a second recording of signals thereon, and means controlled by said second recorded signals for controlling the reproduction of said first recorded signals.

2,425,214
APPARATUS FOR SPRAYING BEAMED YARNS
Helmut Voelker, Silvertown, Ga., and William H. Wolfe, Lancaster, S. C., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 10, 1942, Serial No. 461,622
2 Claims. (Cl. 68—205)



1. Apparatus for treating yarn, said apparatus comprising a beam rotatable about a horizontal axis for simultaneously beaming a plurality of yarns, spray means for continuously applying a spray of liquid to the yarn as it is beamed, said spray means comprising a plurality of spray heads located below the beam directed at the lower face of said beam in closely spaced-apart relation to provide a substantially uniform upwardly directed spray across the face of the beam, an adjustable shield between said spray heads and said beam for restricting the spread of the spray, means below said shield and said spray heads for recovering the excess sprayed liquid, spacing means including rollers bearing against the lower face of the yarn on the beam, and means for urging and guiding said rollers, said shield, and said spray heads as a unit toward the face of the beam for maintaining said spray heads at constant distance from the yarn on the beam.
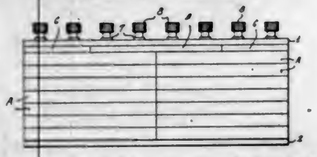
2,425,215
LINOLEUM PASTE SPREADER
Clarence West, Oak Park, Ill., assignor of one-half to Grant Gillam, Chicago, Ill.
Application February 12, 1945, Serial No. 577,491
7 Claims. (Cl. 91—62.5)



7. A paste spreader of the character described comprising, a sheet of material having a paste spreading edge adapted to be applied against the surface on which the paste is to be spread, said sheet being bent to provide a groove extending longitudinally throughout the length of the sheet closely adjacent and in parallel relationship to the paste spreading edge, said groove being throughout its length arc shaped in transverse section to provide a paste well on one side of the sheet and a correspondingly outwardly extending rib on the opposite side of the sheet, said well permitting paste therein to flow freely over the

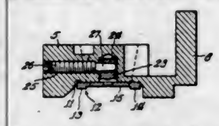
lower edge of the groove toward and to the paste spreading edge, and said sheet having an edge portion opposite the spreading edge provided with a handle.

2,425,216
CONFORMATOR GAUGE
John D. West, Manitowoc, Wis., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis.
Application March 16, 1944, Serial No. 526,684
7 Claims. (Cl. 33—175)



7. A gauge comprising a pair of elongated side frames, a plurality of elongated gauging members arranged in a series or rows paralleling and positioned between said side frames, alternate gauging members being adapted to be projected from opposite sides of said gauge, spring means biasing said gauging members outwardly, and clamping means for clamping said gauging members between said side frames.

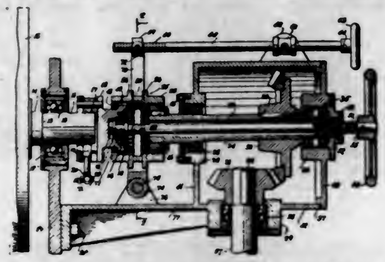
2,425,217
FILM TRACK AND APERTURE UNIT FOR PROJECTORS
Emil J. Wienke, Glen Ellyn, Ill., assignor to Motiograph, Chicago, Ill., a limited partnership of Illinois
Application February 15, 1946, Serial No. 647,939
2 Claims. (Cl. 88—17)



1. In a motion picture projector, a film track plate having guide portions at its side edges and having a light aperture between said portions, a support for said plate having a channel to receive said plate, a lug on the plate, said support having an opening receiving the lug, said lug having a tapered aperture therein the axis of which is transverse to the lug and generally parallel to the plane of the plate, and a lock pin threaded in the support on an axis offset rearwardly from the plate farther than the axis of the tapered aperture, said pin having a tapered end extending into the aperture.

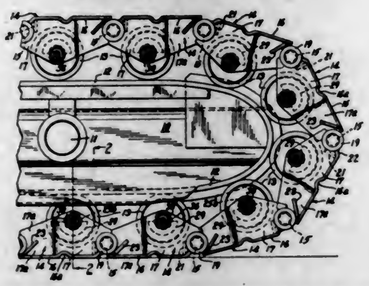
2,425,218
ROTARY PRINTING PRESS
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1944, Serial No. 555,903
7 Claims. (Cl. 101—248)

1. In a rotary printing press having a printing cylinder, a shaft for effecting axial and circumferential registration of the cylinder including in combination a coupling comprising a collar having straight teeth at one end, and helical teeth at the other end, a helical gear attached to said shaft and drivingly meshing with said helical teeth, a spur gear attached to said cylinder meshing with said straight teeth and being driven thereby, means axially moving said spur gear relative to said straight teeth on said collar, for axially adjusting said cylinder for registration, while it is being driven and means cir-



cumferentially moving said collar relative to said helical gear, for circumferentially adjusting said cylinder for registration while it is being driven.

2,425,219
TRACK SHOE
Raymond Q. Armington, Shaker Heights, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application November 8, 1943, Serial No. 509,391
6 Claims. (Cl. 305—10)



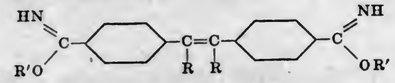
1. In the combination of a track shoe and a roller carried thereby, shaft means for supporting said roller, a cradle rigid with said shoe and lying beneath the end of said shaft means, there being an axially extending threaded recess in the end of said shaft means, there being a bolt hole in said shoe substantially alined with said recess, and a bolt snugly fitting said hole and threaded in said recess, the center of said hole being slightly below the center of said recess when said shaft means normally rests on said cradle, whereby when said bolt fully enters said threads said shaft means is wedged against said cradle.

2,425,220
ISOLATION OF PYRROLE FROM PYRIDINE HOMOLOGUES BY AZEOTROPIC DISTILLATION WITH WATER
Leo J. Baney, Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 15, 1945, Serial No. 582,995
6 Claims. (Cl. 202—42)

1. In a process for separating pyrrole from a mixture thereof with pyridine homologs not readily separable from pyrrole by normal fractional distillation, the step that comprises subjecting the mixture to fractional distillation in the presence of water to separate as distillate the water azeotrope of an oil enriched in pyrrole.

2,425,221
PRODUCTION OF AMIDINE SALTS
Harry James Barber, Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, England, a British company
No Drawing. Application August 27, 1943, Serial No. 500,293. In Great Britain July 27, 1942
Section 1, Public Law 690, August 8, 1946. Patent expires July 27, 1962
8 Claims. (Cl. 260—501)

1. Process for the production of a salt of a symmetrical aromatic diamidine, which comprises reacting a symmetrical di-imino-ether base of the formula



in which R is selected from the group consisting of hydrogen and a lower alkyl radical and in which R′ is a lower alkyl radical, with an ammonium salt of an acid, in an aqueous alcoholic medium, and isolating the resulting salt from the reaction mixture.

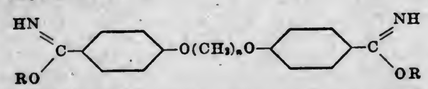
6. Process for the production of trans-stilbene-4:4′-bis(carbonamidine)-di-beta-hydroxyethane sulphonate which comprises reacting, in an aqueous alcoholic medium, ammonium beta-hydroxyethane sulphonate with trans-stilbene-4:4′-bis-(carboniminoethyl ether), and isolating the said diamidine salt from the reaction mixture.

2,425,222
PRODUCTION OF AMIDINE SALTS
Harry James Barber, Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, England, a British company
No Drawing. Original application August 27, 1943, Serial No. 500,293. Divided and this application February 15, 1945, Serial No. 578,115. In Great Britain July 27, 1942
6 Claims. (Cl. 260—501)

6. Process for the production of the 4:4′-bis(carbonamidine)-di-beta-hydroxyethane sulphonate of diphenyl ether which comprises reacting, in an aqueous alcoholic medium, ammonium-beta-hydroxy-ethane sulphonate with 4:4′-bis(carboniminoethyl ether) diphenylether, and isolating the said diamidine salt from the reaction mixture.

2,425,223
PRODUCTION OF AMIDINE SALTS
Harry James Barber, Romford, England, assignor to May & Baker Limited, Dagenham, England, a British company
No Drawing. Original application August 27, 1943, Serial No. 500,293. Divided and this application February 15, 1945, Serial No. 578,116. In Great Britain July 27, 1942
Section 1, Public Law 690, August 8, 1946. Patent expires July 27, 1962
8 Claims. (Cl. 260—501)

5. Process for the production of a salt of a symmetrical aromatic diamidine, which comprises reacting a symmetrical di-imino-ether base of the formula:



in which n is an integer from 1 to 12 and in which R is selected from the group consisting of lower alkyl and aralkyl radicals, with an ammonium salt of an acid, in an aqueous alcoholic medium, and isolating the resulting salt from the reaction mixture.

6. Process for the production of alpha-gamma-diphenoxy - propane -4:4′- bis(carbonamidine) - di-beta-hydroxyethane sulphonate which comprises reacting, in an aqueous alcoholic medium, ammonium-beta-hydroxyethane sulphonate with alpha-gamma-diphenoxypropane-4:4′ - (carbonimino ethyl ether) and isolating the said diamidine salt from the said reaction mixture.

2,425,224
PROCESS OF OBTAINING THIODIGLYCOLIC ACID
Arthur E. Bearse, Columbus, Ohio, assignor, by mesne assignments, to The C. P. Hall Company, Akron, Ohio, a corporation of Ohio
Application May 18, 1945, Serial No. 594,582
9 Claims. (Cl. 260—481)

9. The method of obtaining thiodiglycolic acid from the aqueous inorganic salt solution in which it is produced by reacting an alkali metal sulfide with an alpha-halogenated acetic acid salt and then acidifying with a mineral acid, which comprises extracting the thiodiglycolic acid from the aqueous solution with a ketone from the class consisting of the ketones which contain 4 to 6 carbon atoms.

2,425,225
PRODUCTION OF ESTERS OF THIODIGLYCOLIC ACID
Arthur E. Bearse and Robert R. Cruse, Columbus, Ohio, assignors, by mesne assignments, to The C. P. Hall Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 18, 1945, Serial No. 594,583
9 Claims. (Cl. 260—481)

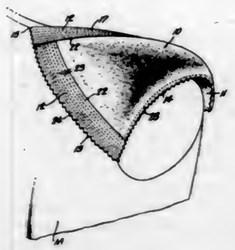
1. The process of producing an ester of the class consisting of esters of thiodiglycolic acid and water-soluble alkyl-substituted thiodiglycolic acids which contain no alkyl substituent of more than three carbon atoms from the aqueous inorganic-salt-containing solution in which the acid has been produced by acidification of the reaction product of an alkali metal sulfide and an alpha-halogenated fatty acid salt, which comprises extracting the aqueous solution with an extractant which is not completely miscible with the aqueous solution and is composed essentially of an alcohol of the class consisting of the aliphatic and cycloaliphatic alcohols containing from three to about eight carbon atoms, and thereafter heating the alcohol extract with an esterification catalyst until substantially all of the extracted acid has been converted to an ester.

2,425,226
PROCESS OF OBTAINING THIODIGLYCOLIC ACID
Arthur E. Bearse, Columbus, Ohio, assignor, by mesne assignments, to The C. P. Hall Company, Akron, Ohio, a corporation of Ohio
Application March 17, 1947, Serial No. 735,107
7 Claims. (Cl. 260—526)

1. The method of obtaining an acid of the class consisting of thiodiglycolic acid and water-soluble, alkyl-substituted thiodiglycolic acids from the aqueous inorganic salt solution in which it is produced by reacting an alkali metal sulfide with an alpha-halogenated fatty acid salt in water solution and then acidifying with a mineral

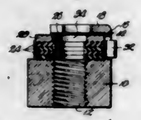
acid, which comprises extracting the acid from the aqueous solution with a solvent composed essentially of an alcohol from the class consisting of alcohols containing three to six carbon atoms.

2,425,227
METHOD OF MAKING SHOULDER PADS
Samuel Bloom, New York, N. Y.
Application August 7, 1946, Serial No. 689,000
10 Claims. (Cl. 2—268)



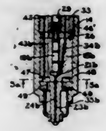
1. The method of producing molded, fitted and shaped shoulder pads which comprises sculpturing a set of plastic shoulder forms conforming to the body contour on the bottom and the desired configurations on the top, forming molds corresponding to at least the top surface of the plastic cast, shaping a sized felt sheet between the last-mentioned molds to impart a corresponding form thereto, fitting a triangularly-shaped fabric bottom to the surface of the shoulder having two lateral sides converging to an apex at the neck line and a base extending between said sides opposite said apex, attaching a fibrous filler to the two lateral sides of said fabric bottom adjacent to said apex and fitting said fabric bottom and filler to the shoulder to ease and shape the same to the convexity of the shoulder while presenting a smooth upper convex surface, and sewing the molded top of felt material to the fabric bottom at the three edges thereof.

2,425,228
LOCK NUT
Samuel Bloomfield, Wichita, Kans., and Robert S. Wallach, Madison, N. J.; said Wallach assignor to said Bloomfield
Application May 14, 1945. Serial No. 593,642
14 Claims. (Cl. 151—7)



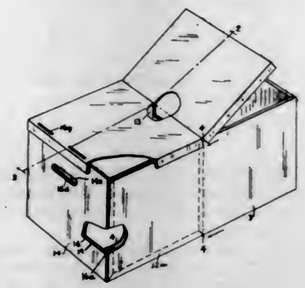
1. A lock nut comprising a body having a threaded opening therethrough; an axially projecting skirt on the body partially circumscribing the opening to provide an entrance to the space within the skirt; a collar of relatively soft substance and having an opening therethrough slightly less in diameter than the said threaded opening confined in the said space; and a retaining ring disposed to close the entrance.

2,425,229
FUEL INJECTION APPARATUS
Albert T. Bremser, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 11, 1940, Serial No. 360,729
6 Claims. (Cl. 299—107.6)



1. A fuel injection nozzle comprising a holder body, an element comprising a valve guide and spray nozzle, a valve in said element for controlling the flow of fuel therethrough, a casing member having threaded engagement with said element adjacent the lower end of the latter and forming a cooling fluid chamber with said element, and a tubular nut engaging an external flange on said member and threadedly engaging said holder body for holding said body, element and casing member in assembled relation, said casing member and element having one set of annular surfaces thereon pressed into fluid-tight engagement by the cooperating threads thereon and a second set of such surfaces brought into liquid-tight engagement by flexing said casing member during the installation of said nut.

2,425,230
COMPARTMENTED COLLAPSIBLE FIBERBOARD CONTAINER
Harley S. Cann, Columbus, Ohio, assignor to The Martin Brothers Box Co., Toledo, Ohio, a corporation of Ohio
Application June 16, 1943. Serial No. 491,039
8 Claims. (Cl. 229—15)



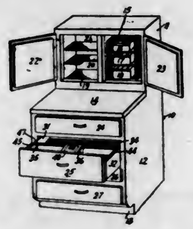
1. A cubically chambered fiber board container assembled from three initially separate selectively contoured and kerfed blanks having marginal edge portions, one of said blanks forming the outer wall of the bottom and sides of the container and the other blanks cooperating with the first-named blank to form a partition member, inner bottom wall, and ends of the container, said first mentioned blank being transversely overlaid by the center portions of the other two blanks, which are substantially identical with one another in contour and kerfing and which are positioned in partition-contacting relation over the first mentioned blank, and portions adjacent

the end forming panels of each of these latter blanks being interlocked with correspondingly located kerfs in said first mentioned blank, and the several panels of said blanks being held in their assembled position by frictional and interlocking engagement of the identical blanks with marginal end portions of the remaining blank.

2,425,231
METHOD OF COATING PAPER AND COMPOSITION THEREFOR
Gilbert K. Dickerman and Robert W. Riley, Wisconsin Rapids, Wis., assignors to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin
No Drawing. Application January 24, 1944, Serial No. 519,542
13 Claims. (Cl. 117—111)

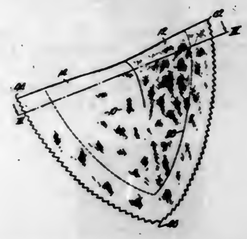
3. The process of coating paper webs in a continuous paper making process which comprises, continuously spreading onto a rotating surface a controlled amount of a mobile, dense, thin, smooth coating composition film, said coating composition comprising an aqueous dispersion of a mineral pigment, a deflocculating agent for said pigment, from about 60 to about 300 parts of enzyme modified starch adhesive based on 970 parts of bone dry mineral pigment, and about 2 to 10 parts of ammonium stearate based on 100 parts of said starch, said composition having a solids content of from at least about 50 to about 60–62 per cent, an apparent yield point of between 500 to 5,200 dynes per square centimeter and a range of mobility between about 0.0575 and 0.750 rhe, and transferring said composition in the form of a preformed film from said rotating surface to the surface of a paper web passing forwardly at a linear speed of from about 800 to about 1,000 feet per minute to provide the web with a highly printable smooth surface.

2,425,232
FOOD SUPPORTING RACK FOR REFRIGERATOR DRAWERS
Guyon L. C. Earle, Forest Hills, N. Y., assignor, by direct and mesne assignments, to Hugh S. Wertz, as trustee
Original application March 6, 1944, Serial No. 525,146. Divided and this application September 25, 1944, Serial No. 555,706
4 Claims. (Cl. 62—89)



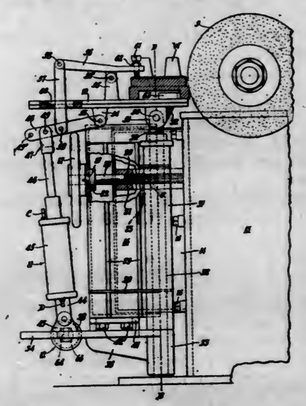
1. A refrigerator drawer structure comprising a back, two sides, an insulated front, a corrugated bottom, said bottom being shorter than the distance between said front and back so that air may flow in and out of said drawer, a rack supported from said sides, and at least one food container supported from said rack, said rack being over the portion of the drawer which has no bottom.

2,425,233
SHOULDER PAD AND METHOD OF MAKING SAME
Evelyn P. Endecott, Kansas City, Mo.
Application November 4, 1946, Serial No. 707,596
2 Claims. (Cl. 2—268)



1. A shoulder pad of the kind described, comprising a hollow body formed from an initially flat sheet of material; a cushion filler disposed within said hollow body, said body having a pair of superimposed facing sections provided with overlapping marginal edges extending from the filler along two edges thereof; and means for joining said marginal edges of the sections to present a closed container for the cushion filler, said facing sections of the body being substantially symmetrical and each having a laterally extending leg, the marginal edges of each leg converging as the free end thereof is approached, the innermost, registered marginal edges of the legs being curved inwardly toward the opposite edges thereof respectively and on a bias to produce a self-sustaining arcuate body capable of conforming to the contour of the shoulder of the wearer when the pad is assembled.

2,425,234
AUTOMATIC GRINDING MACHINE
Roy Erwin, University Heights, Edwin Troutman, Bedford, and Leon W. Lindquist, Lyndhurst, Ohio, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1945, Serial No. 607,770
6 Claims. (Cl. 51—96)



1. A grinding machine comprising a work holder, a grinding wheel, fluid operated means for tilting the work holder to move the work toward and away from the grinding wheel, and fluid operated means for oscillating the work

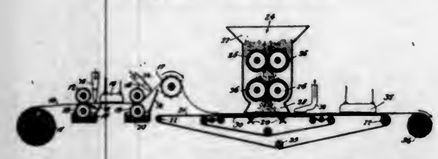
holder to move the work across the face of the grinding wheel, the last-named fluid operated means being arranged for operation independently of the first-named means.

2,425,235
FILTER
John Ferrante, Johnstown, N. Y., assignor to Kenlea Manufacturing Company, Johnstown, N. Y., a corporation of New York
Application July 16, 1943, Serial No. 495,059
12 Claims. (Cl. 183—51)



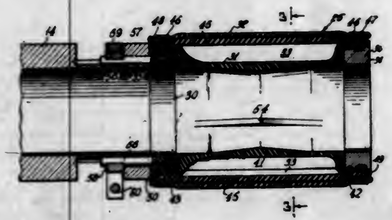
1. A filtering medium comprising a wire mesh substantially entirely coated with a pile of flocking material.

2,425,236
METHOD FOR MAKING FLOCKED MATERIAL
John Ferrante, Johnstown, N. Y., assignor to Kenlea Manufacturing Company, Johnstown, N. Y., a corporation of New York
Application November 22, 1943, Serial No. 511,384
4 Claims. (Cl. 117—24)



1. The method of making a flocked open mesh strip fabric which includes the steps of applying a coating of adhesive material to both sides of the strands of the strip; directing toward one side of the strip a quantity of flocking material in excess of that which adheres to said one side so that the excess portion of the flocking material passes through the interstices of the strip; simultaneously propelling back against the strands of the strip the excess portion of the flocking material to cause the latter to adhere to the other side of the strip; and causing the adhesive material to be set.

2,425,237
PNEUMATIC NOZZLE
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application February 19, 1943, Serial No. 476,384
2 Claims. (Cl. 18—12)

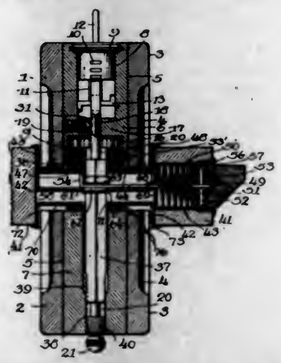


2. In extrusion apparatus of the type wherein fragments of a material are compacted into a solid mass by forcing said fragments into and through the bore of a rigid nozzle, an auxiliary nozzle for exerting a resisting force on said mass after it leaves said nozzle, comprising, a cylindrical metal framework, a rubber conduit through which said mass is forced after leaving said rigid nozzle, said rubber conduit being vulcanized to said framework, a casing enclosing said framework and said conduit and forming therewith an enclosed space, means for introducing air under pressure into said enclosed space to stretch said rubber conduit and cause it to form inwardly extending bulging portions which reduce the cross-sectional area of said conduit, each of said bulging portions being provided with a tread which bears against said mass, whereby the treads on said bulging portions exert a resisting force upon said mass as it passes through said conduit.

2,425,238
FUMIGANT MIXTURES OF ETHYLENE BROMIDE AND METHYLENE CHLORIDE
Fred W. Fletcher and Eugene Kenaga, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 1, 1945, Serial No. 571,018
3 Claims. (Cl. 99—225)

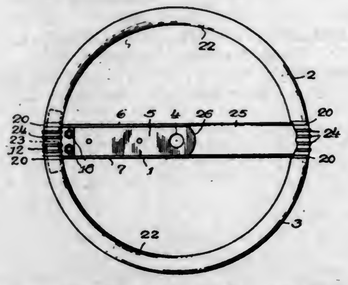
1. In a method for fumigating insect infested grain stored in bins, the step of introducing a volatile fumigant comprising as a major toxic ingredient a solution of from 2.5 to 20 per cent by volume of ethylene bromide in methylene chloride at the top of the bin and onto the surface of the stored grain.

2,425,239
LATCHING MECHANISM
Harry F. George, Chicago, Ill.
Application July 21, 1944, Serial No. 546,007
19 Claims. (Cl. 70—149)



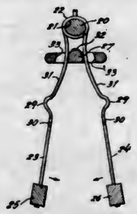
1. Latching means comprising a pair of oppositely positioned knobs, a pair of clutch members in one of said knobs, a latch, means permanently connecting said latch with one of the clutch members and with the other knob, said means including a tubular non-circular shaft fixed to rotate with one of the knobs and with the clutch member connected to the latch, and a rod connected to the other clutch member and longitudinally slidable in the non-circular shaft to selectively cause engagement and disengagement of the clutch when desired by movement of the rod.

2,425,240
STEERING WHEEL
Harry F. George, Chicago, Ill.
Application April 4, 1945, Serial No. 586,583
10 Claims. (Cl. 74—552)



1. In a steering wheel a flat metallic spoke member formed at each end with an integral bent over socket member, a pair of arcuate rim sections each having an extended end inserted into a socket member, and means for detachably securing said extended ends of the rim sections in said socket members, the two sides of each of said socket members normally standing a distance apart until two adjacent ends of said extended ends are inserted into the socket thereof one from each side, said means drawing said two sides tightly against said extended ends when the latter are inserted into the socket, said spoke member having a flange extending longitudinally along each of its side edges but terminating at the socket member, the free end of each of said socket members being seated between said flanges when the two sides of the socket members are tightened over the rim section extended ends.

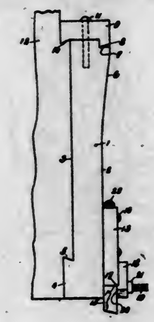
2,425,241
GARMENT HANGER
Reginald R. Hawkins, Tuckahoe, N. Y.
Application March 8, 1944, Serial No. 525,503
2 Claims. (Cl. 223—96)



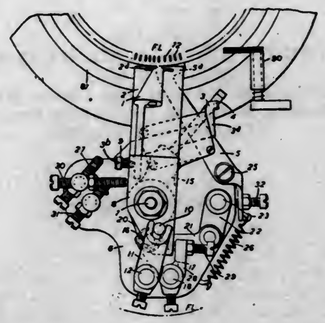
1. In a garment hanger, a supporting bar, wires coiled around said bar, said wires terminating in ends normally dependent below said bar, a slidably movable element supported on said terminal wires, elements supported from said slidable element and adapted to enter between garment-engaging elements and force them apart when said slidable element is moved upward and bring them together when moved in the opposite direction.

2,425,242
TOOLHOLDER
John B. Herring, Covington, Ky.
Application April 5, 1944, Serial No. 529,582
6 Claims. (Cl. 29—96)

1. A tool holder comprising a body, means for attaching the body to a machine, an independent clamp member comprising a block formed with a tool-receiving through slot, means for securing said block to a face of said body whereby a tool in said slot is disposed against such face, means for holding the tool in said slot, said block being reversible whereby the same tool and holder may be utilized for different operations, and a supplemental block for positioning between said body and said first block for further modifying the position of the tool for the performance of additional operations.

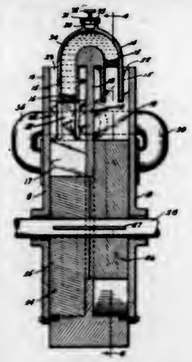


2,425,243
CIRCULAR LATCH NEEDLE KNITTING MACHINE
Henry Harold Holmes and Albert Henry Widdowson, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a corporation of Great Britain
Application March 27, 1946, Serial No. 657,500
In Great Britain April 3, 1945
17 Claims. (Cl. 66—136)



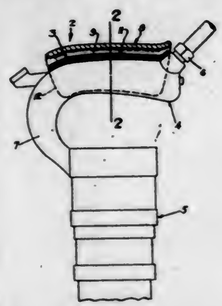
1. In a circular knitting machine, in combination, latch needles, means for operating said needles, movable feeders for feeding yarns to the needles, including at least one feeder for feeding ground and plating yarns conjointly to the needles, and a latch controlling element movable to an operative position in which it is adapted to delay closing of needle latches during movements of the needles to knock over when plating, at least one of the aforesaid movable feeders being adapted to control the movements of the latch controlling element to and from the operating position whereby no independent control of the said element is necessary.

2,425,244
SLIDING ABUTMENT UNIT FOR ROTARY DISPLACEMENT PUMPS OR MOTORS
Hugh Jeffries, Santa Monica, Calif.
Application August 12, 1943, Serial No. 498,372
2 Claims. (Cl. 103—123)



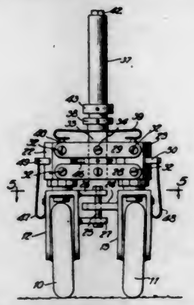
1. A hydraulic unit of the character described comprising a stator, a rotor mounted in the stator, said stator being divided into a pair of chambers, said rotor being divided into a pair of rotor elements, a shaft, said rotor elements being eccentrically mounted on the shaft and having their greatest radial measurements located in opposite direction, a sliding abutment in each of the chambers having continuous contact with the periphery of its respective rotor element, each chamber having an inlet port at one side of its sliding abutment and an outlet port at the opposite side of its sliding abutment, and equalizing means consisting of an arched conduit containing a volume of fluid and having opposite ends extending into said chambers, and a piston on each of the sliding abutments operative in one end of the conduit.

2,425,245
CUSHION GRIP FOR AIR HAMMERS AND THE LIKE
Conrad B. Johnson, Eau Claire, Wis.
Application March 30, 1945, Serial No. 585,783
7 Claims. (Cl. 121—36)



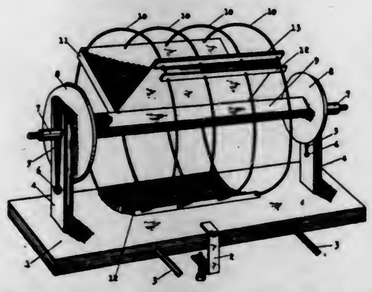
1. A cushion grip comprising an outer U-shaped resilient member having spaced legs for embracing a tool handle, and an inner vibration-absorbing member having its opposed edge portions secured to the legs of the outer member and having its intermediate wall portion spaced from the corresponding wall portion of the outer member in the direction of thrust on the grip when in use, whereby said inwardly spaced wall surface may readily flex independently of the outer member to absorb vibration in the tool handle to which the grip may be attached.

2,425,246
STABILIZED CASTERING WHEEL DEVICE
Louis Kalvin, New York, N. Y.
Application June 27, 1945, Serial No. 601,856
8 Claims. (Cl. 16—47)



1. A stabilized castering wheel device comprising a pair of wheels, forks in which said wheels are mounted, independent vertical spindles to which the respective forks are separately secured, and means for interconnecting said forks to permit them to move about their respective vertical spindle axes only simultaneously, in opposite directions and to equal extent.

2,425,247
SMOCKING APPARATUS
Hartleigh Kelly, Tennyson, South Australia, Australia
Application April 19, 1946, Serial No. 663,395
In Australia April 23, 1945
6 Claims. (Cl. 223—28)

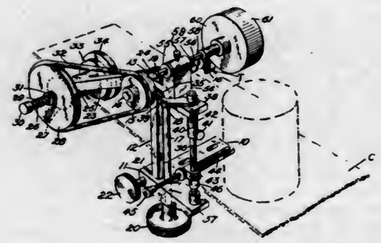


6. A smocking apparatus comprising; a curved frame, supporting means for such frame, a shaft forming part of such supporting means, discs on the said shaft on each side of the said curved frame, a series of plates disposed in parallel alignment across said frame and movable on said frame to form folds of fabric or cloth between successive plates with thread or cord which may be tensioned on the frame, and which passes over the said discs and around the ends of the said shaft and between successive plates to hold the folds of fabric or cloth on to the curved frame, a base, and split resilient means projecting upwardly from the said base and engaging the said shaft to allow the shaft to be turned but to frictionally restrain same.

2,425,248
PRODUCTION OF 2-AMINOPYRIMIDINE
Erwin Kuh, New Brunswick, and Thomas W. Clapper, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 3, 1945, Serial No. 576,146
5 Claims. (Cl. 260—251)

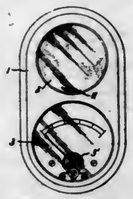
1. In a method of producing 2-aminopyrimidine by heating a reaction mixture of isocytosine, phosphorus oxychloride and an "acid-formed" catalyst to temperatures above that at which the catalyst is normally formed in the presence of isocytosine by a violent exothermic reaction between phosphorous oxychloride and sulfuric acid monohydrate, isolating the product and reducing the isolated product to 2-aminopyrimidine, the improvement which comprises the steps of forming an amount of substantially fully reacted reaction mixture; adding thereto unreacted materials comprising phosphorous oxychloride, isocytosine and sulfuric acid monohydrate; raising the temperature of the resultant mixture to about 87° C., whereby an exothermic reaction is initiated, the ratio of the total unreacted material to the amount of reacted reaction mixture being so chosen that the total heat generated by the exothermic reaction is insufficient to raise the temperature of the entire mass to above 95° C.; maintaining the temperature of the mixture at about 87°–95° C. until chlorination of the isocytosine is substantially complete; and withdrawing from the reacted mixture all but that amount of reacted mixture required for the next batch.

2,425,249
ARTICLE-CONTROLLED MARKING MEANS
Denis Lacy-Hulbert, Wiltshire, England
Application August 2, 1943, Serial No. 497,006
In Great Britain June 5, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires June 5, 1962
7 Claims. (Cl. 101—35)



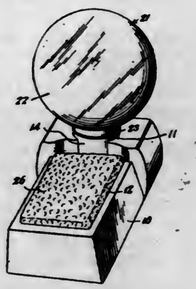
1. An apparatus for automatically marking a succession of articles moved by a conveyor belt, comprising a wheel arranged frictionally to engage said belt so as to be driven thereby as the belt travels, a marking device, a drive for said marking device actuated by said wheel and embodying a clutch, a trigger mechanism arranged to arrest said device and to render inoperative the drive of the marking device by the clutch, which trigger mechanism is arranged to be operated by the passage of each article past it as it is moved by said belt so as to release said device.

2,425,250
ENCASED ELECTRICAL DEVICE
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 31, 1945, Serial No. 575,518
3 Claims. (Cl. 250—41.5)



1. In a photoelectric device, a substantially sealed housing having a transparent window at a wall thereof, a photocell of the disk type within said housing and exposed to view through said window, solid non-deliquescent absorbent material within said housing, and a moisture indicator of the reversible color type within said housing and exposed to view through said window; said moisture indicator comprising a non-deliquescent absorbent dyed with a reversible color hygroscopic dye, and a reference color chart immediately adjacent said dyed absorbent and colored with the respective colors of the dyed absorbent when free from moisture and after absorbing a quantity of moisture.

2,425,251
LIQUID APPLICATOR
Miles E. Landau, Brooklyn, N. Y.
Application September 11, 1944, Serial No. 553,565
8 Claims. (Cl. 91—54.4)

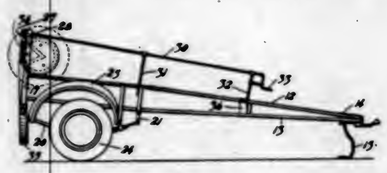


8. In a liquid applicator, a holder, a liquid container defining a liquid reservoir having a closed upper end and an orifice in the lower portion thereof, a socket member disposed in said holder, said socket member receiving said reservoir and having an orifice in registry with the orifice in said reservoir to permit the passage of liquid therethrough, and sponge material disposed in said holder in covering relation with said orifice in the socket member to effect and control the discharge of liquid from said reservoir.

2,425,252
BOAT TRAILER
John D. Larson, Broken Bow, Nebr.
Application November 17, 1945, Serial No. 629,244
2 Claims. (Cl. 214—65)

1. A boat trailer comprising a frame having diverging side members connected at their front

end to a trailer hitch, vertical posts at the rear ends and extending above and below said side members, a pair of vertically spaced bars connecting the upper ends of said posts, stub axles and wheels carried by the lower ends of said posts, a load supporting sling extending transversely between the upper portions of said members intermediate the ends thereof, and a load supporting and lifting means carried by and at the extremities of said parallel bars, a crank operated worm and pinion drive for detaching said lifting means.

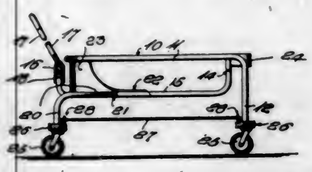


2,425,253

CHILD'S STROLLER

Paul C. Little, Hoboken, N. J., and Marvin W. Sparrow, Brooklyn, N. Y.

Application August 27, 1946, Serial No. 693,306
6 Claims. (Cl. 280—47)



1. In a vehicle of the class described, a horizontal U-shaped member, each side of said U-shaped member having a downwardly extending vertical leg thereon, a lateral bracing member for said U-shaped member, a horizontal member one end of which is curved upwardly and connected to said lateral bracing member, the other end of said horizontal member being curved upwardly and formed as a shank for connection with a socket of a handle, a pair of legs mounted upon the back portion of said horizontal member, and a swivel wheel mounted upon each of said first mentioned legs and said last mentioned legs.

2,425,254

AUTOMATIC FOUL LINE KEEPER

James A. MacLagan, Forest Park, and Thaddeus A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee

Application April 23, 1941, Serial No. 389,976
In Canada December 23, 1940
71 Claims. (Cl, 273—50)



1. An automatic foul line keeper for game devices having a foul line and a region provided for foot movement of a player in front of the foul line, a ray of undulating energy projected over the alley at the foul line, means responsive to interference with said ray including a circuit, means responsive to the presence of a player's foot in said region proximate the foul line including a circuit, and means controlled by said circuits for actuating a signal.

2,425,255

PHOTOELECTRIC CONTROL FOR GAME DEVICES

James A. MacLagan, Forest Park, and Thaddeus A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee

Application June 25, 1942. Serial No. 448,468
16 Claims. (Cl. 273—50)



1. In a signalling device for bowling alleys or the like having a foul line, a signal circuit including a signal and two switches one of which is controlled by a relay, means for detecting infractions of rules of play at the foul line for actuating said relay to close said circuit, timer means for maintaining closed the circuit thus closed for a predetermined time, and means for closing the other switch when a ball passes a predetermined point on the alley beyond the foul line.

2,425,256

AUTOMATIC FOUL LINE KEEPER

James A. MacLagan, Forest Park, and Thaddeus A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee

Original application April 23, 1941, Serial No. 389,976. Divided and this application August 25, 1945, Serial No. 612,610. In Canada December 23, 1940
10 Claims. (Cl. 273—50)



1. For use upon a bowling alley having a foul line, an areaway therebeyond for the passage of a bowling ball put into play, and having equipment used during the play of the game including a foul signal; means responsive to infractions of rules of play at the foul line, means responsive to the passage of a ball along the areaway when the ball is put into play, and means responsive to the passage of the ball for determining when the play of the ball is completed, said last two means coacting with one another to control operation of said equipment under predetermined conditions of play.

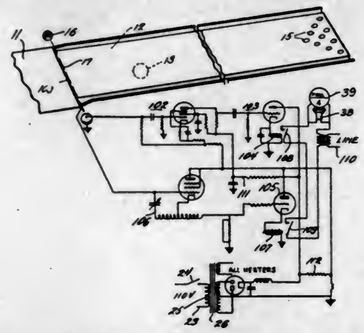
2,425,257

AUTOMATIC FOUL LINE KEEPER

James A. MacLagan, Forest Park, and Thaddeus A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee

Original application April 23, 1941, Serial No. 389,976. Divided and this application August 25, 1945, Serial No. 612,611. In Canada December 23, 1940
14 Claims. (Cl. 273—50)

1. In an automatic bowling foul line keeper for a bowling alley having a foul line, means for projecting a beam of light across the alley at the foul line, photo-electric means responsive to the beam of light operating an electric signal circuit, and capacity-responsive relay means responsive to inductive bodies upon the alley for controlling the operation of said photo-electric means.

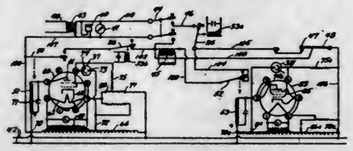


2,425,258

PHOTOELECTRIC CONTROL FOR GAME DEVICES

James A. MacLagan, Forest Park, and Thaddeus A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee

Original application June 25, 1942, Serial No. 448,468. Divided and this application August 25, 1945, Serial No. 612,612
4 Claims. (Cl. 250—41.5)



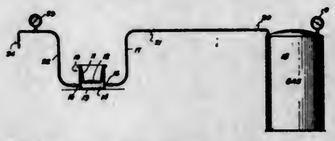
4. In a photo-electric system, a tetrode valve, a source of pulsating current including an auto transformer having an intermediate tap, a photo-electric cell, said valve having the anode thereof connected to one pole of the auto transformer through a control device, the anode of the cell being connected to the intermediate tap, and bridged to the other pole of the auto transformer through resistance, said valve having its control grid connected directly to the cell cathode and biased to the bridge at a point intermediate the ends of the resistance through a resistor having substantially the same current flow capacity as the photo-electric cell when the cell is subjected to a source of undulating energy.

2,425,259

METHOD OF CHARGING GAS-EXPANSION CHAMBERS OF ICE MOLDS

Logan L. Mallard, Norfolk, Va.

Application April 8, 1942, Serial No. 438,180
6 Claims. (Cl. 226—20)



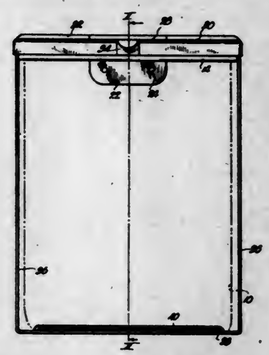
1. In the art of refrigeration, the method of charging the expansion chamber of an ice mold having a movable ice dislodging member or diaphragm subject to the pressure of said chamber, which consists in first charging the chamber with a gas at normal pressure and density, heating the charge in said chamber, bleeding the gas from said chamber to adjust the upper pressure limit of its range of expansion, and sealing said chamber.

2,425,260

REFUSE BAG HOLDER

John L. Mayer, Kansas City, Mo.

Application April 16, 1945, Serial No. 588,433
2 Claims. (Cl. 248—95)



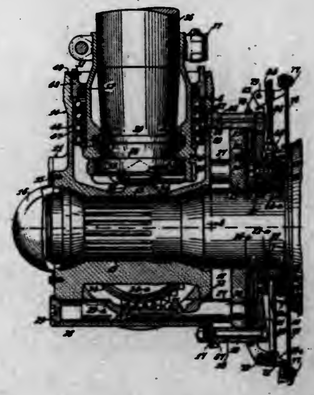
1. A refuse bag holder comprising an outer frame section adapted for positioning at the mouth of the bag and in circumscribing relation thereto; an inturned flange around one edge of the frame; an inner frame section having a pair of U-shaped members pivotally connected to the outer frame section and shiftable about their pivots for movement to and from a position resting upon the flange.

2,425,261

VARIABLE PITCH PROPELLER

Howard Murphy, Glen Ridge, and Robert E. Linse, Troy Hills, N. J., assignors to Curtiss-Wright Corporation, a corporation of Delaware

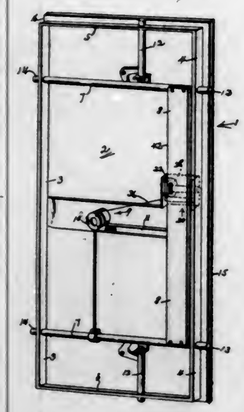
Application December 9, 1943, Serial No. 513,582
3 Claims. (Cl. 170—163)



1. An aeronautical propeller adapted to be mounted on a shaft extending from a power

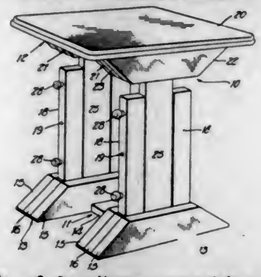
plant, comprising a hub secured to the shaft having blades journalled therein for pitch change, each blade adjacent its butt end and within the hub having a gear thereon; reciprocable rack elements mounted within the hub each engaging one said blade butt gear, said rack elements having integral extensions passing slidably through the wall of said hub toward said power plant; an annular piston loosely fitted around the engine shaft between the hub and power plant and reciprocable therealong, to which the ends of said rack extensions are secured, said piston being supported by said extensions, whereby reciprocation of said piston simultaneously imparts pitch changing movement to said blades through said racks and gears; a cylinder secured to the face of said hub through which said rack extensions pass, said cylinder being concentric with said shaft and defining therewith an annular chamber in which said piston is movable, said piston having a loose fit relative to the wall of said cylinder, means to drain the hub end of said cylinder to the power plant, annular cup seal means on the face of said piston remote from the hub, said seal means engaging said shaft and the inner wall of said cylinder; a head secured to the end of said cylinder remote from the hub, said head embracing said shaft, means to seal said head to said shaft; said cylinder, piston and head rotating bodily with said shaft and hub; and relatively rotatable fluid transfer means wholly without the confines of said power plant having a part thereof formed in said head and an interengaging part thereof secured from rotation, for feeding pressurized fluid to the space bordered by said cylinder, said shaft, said head and said piston.

2,425,262
LOCKING DEVICE
John E. Newton, Oklahoma City, Okla.
Application August 7, 1944, Serial No. 548,408
10 Claims. (Cl. 70—1.5)



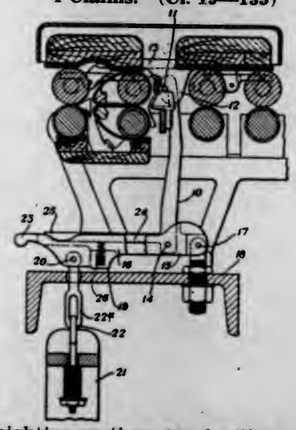
1. In a device of the class described, the combination with a sliding member of a door locking mechanism, and with releasable apparatus for normally maintaining the member stationary, of: a rotatable element adjacent the path of said member; spring means for urging the element to partial rotation into said path; and means engaging said apparatus for normally holding said element against rotation into said path.

2,425,263
ARTICLE OF FURNITURE
Joseph Niver, Ossining, N. Y.
Application May 24, 1944, Serial No. 537,053
1 Claim. (Cl. 311—39)



An article of furniture comprising a pair of spaced opposed base members, a brace member rigidly securing the base members together, each base member comprising a pair of spaced parallel side pieces, end spacer pieces interposed between the side pieces and fixedly secured thereto and cooperating therewith to provide an elongated slot, a pair of uprights having their lower ends extending into the slot and respectively fitting against the inner sides of the end pieces, the lower ends of the uprights being fixedly secured within said slot, a supporting member comprising a flat supporting body, a pair of opposed legs secured to and depending from said body, each leg slidably fitting between a pair of the uprights and being of a length greater than the height of the portions thereof which extend beyond the top of their related base member, the slot adapted to receive the lower end of the leg when the supporting member is in a substantially lowered position, and means for releasably locking each leg member to its related uprights within the range of its sliding movement relative thereto.
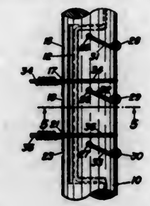
2,425,264
WEIGHTING MOTIONS FOR THE DRAFTING ROLLERS OF PREPARATORY AND SPINNING MACHINES
Joseph Noguera, Manchester, England, assignor to Casablancas High Draft Company Limited, Manchester, England, a British company
Application September 28, 1945, Serial No. 619,068
In Great Britain October 3, 1944
4 Claims. (Cl. 19—135)



1. Weighting motions for drafting rollers used in preparatory and spinning machines compris-

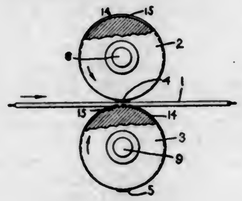
ing a hook member, means associated with said rollers for engaging said hook member, a multiplying lever pivotally supported at one end and with its free end accessible in the front of the machine, weighting means attached to said lever, an extension on said hook member having one end readily accessible adjacent said free end of said multiplying lever and a pivotal connection between said hook member and said multiplying lever, said hook member being movable about said pivotal connection away from and towards said roller engaging means by means of said extension.

2,425,265
POLE-TYPE CONDUCTOR SUPPORT
Ralph R. Pittman, Pine Bluff, Ark.
Application January 25, 1943, Serial No. 473,571
2 Claims. (Cl 174—45)



1. A single-piece support for an overhead electric conductor comprising an upstanding pole of insulating material having formed therein grooves, a conductor in the grooves extending peripherally around an upper portion of said pole, a longitudinally extending slot provided in said pole from a point below said conductor to a point above said conductor, a grounded wire located in said slot in spaced relation with said conductor, an opening extending laterally through said pole at each end of said slot and merging therewith, said grounded wire extending through the openings for holding the portion of the grounded wire within the slot in said spaced relation.

2,425,266
MACHINE FOR MARKING WIRE
Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application April 18, 1944, Serial No. 531,571
4 Claims. (Cl. 101—36)

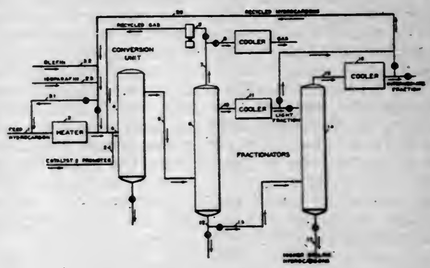


1. A machine for marking wire or other strands comprising a pair of type wheels between which the wire or other strand is fed, means to rotate the type wheels, a type element mounted on the periphery of each type wheel, said type elements being so disposed on the two type wheels that they act on the wire alternately as it is fed forward, each type wheel having a wire-guiding and supporting portion disposed to provide the entire guiding and supporting means for the wire while the type element of the other type wheel is making its printed impression on the wire.

2,425,267
PROCESS OF MANUFACTURING ACRYLONITRILE FROM ACETYLENE AND HCN
Walter A. Schulze and John E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 21, 1944, Serial No. 559,840
1 Claim. (Cl. 260—464)

A process for the preparation of acrylonitrile which comprises reacting hydrogen cyanide with acetylene in vapor phase at a temperature within the range of 770 to 970° F. for a period of time within the range of 6 to 8 seconds in the presence of a catalyst comprising from 70 to 80 weight per cent zinc in the form of finely divided zinc oxide supported on asbestos fiber.

2,425,268
ISOMERIZATION OF NORMAL PARAFFINS
Eugene E. Sensel, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 21, 1945. Serial No. 606,446
10 Claims. (Cl. 260—683.5)



1. A continuous method of isomerizing saturated hydrocarbons which comprises passing a feed consisting essentially of normal paraffin hydrocarbons to a reaction zone containing aluminum halide isomerization catalyst in the presence of hydrogen halide and maintained at a temperature in the range about 75 to about 212° F., continuously adding to said stream prior to introduction to the reaction zone small but effective amounts of low boiling olefin and isoparaffin hydrocarbons, the amount of added olefin being within the range of a fraction of 1% to 5% by volume on a liquid basis of the total feed to the reaction zone and the added isoparaffin being in a molar ratio of at least about 0.8 with respect to the olefin and not exceeding about 11% by volume of the normal paraffins undergoing conversion in the reaction zone, effecting isomerization of saturated feed hydrocarbons to a substantial extent as the principal reaction during passage of the hydrocarbons through the reaction zone, and continuously withdrawing hydrocarbon reaction products from the reaction zone, the proportions of added olefin and isoparaffin hydrocarbons being sufficient so that said products are substantially richer in isomerized feed hydrocarbons than when the reaction is effected under substantially similar conditions in the absence of the added olefin and isoparaffin hydrocarbons.

2,425,269

DICHLOROBENZALACETONE

Raymond B. Seymour and David T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 15, 1944, Serial No. 531,281
1 Claim. (Cl. 260—590)

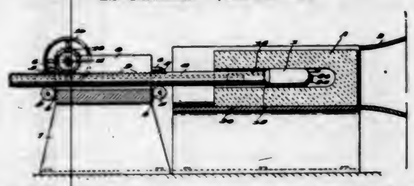
2,6-dichlorobenzalacetone, this compound melting at 4.5° C. and having a refractive index n_D^{25} of 1.5887.

2,425,270

METHOD AND APPARATUS FOR FORMING BLANKS FOR POST AND PEDESTAL INSULATORS

Edward M. Skipper, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Application October 4, 1944, Serial No. 557,187
12 Claims. (Cl. 25—3)



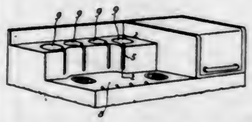
1. In a device of the character described, the combination with a pug mill having a substantially cylindrical discharge nozzle, of a cylindrical mandrel adapted to be moved axially into said discharge nozzle of said mill means for extruding a pug from said nozzle, said pug substantially encasing the adjacent portion of said mandrel, means for retracting said mandrel from the nozzle as the pug is being extruded therefrom. means for withdrawing the mandrel from the encasing pug after the latter has been removed from said nozzle, and means for rotating said mandrel with respect to the encasing pug to assist in its withdrawal therefrom.

2,425,271

COOKING STOVE

William S. Tandler, New York, N. Y.

Application December 13, 1943, Serial No. 514,135
1 Claim. (Cl. 219—35)



In a cooking stove a cylindrical heating well, a cylindrical heat insulating jacket surrounding the operating space of said well, said jacket being divided into an upper portion forming the side wall of the well and a flat bottom portion, heat sources in the wall and in the bottom, said well being sufficiently deep to accommodate normal cooking vessels below its top, said upper portion being divided in halves, means at the one dividing plane to rotate said halves, the latter ending short at the opposite dividing plane to form a vertical slot extending from and through the upper edge of said top portion substantially to said bottom portion to lower a handle provided cooking vessel below the top of said well onto said bottom, said slot being arranged in the front portion of said well wall to manipulate the vessel from the front face of the stove.

2,425,272

FISHING LURE

Isaac J. Walker, Ralph E. Wham, and Clarence S. Turbeville, Gainesville, Tex.

Application September 24, 1945, Serial No. 618,258
6 Claims. (Cl. 43—46)



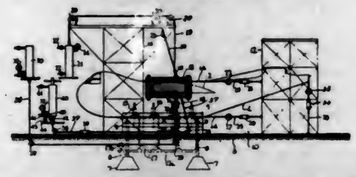
5. In an artificial fishing lure, the combination of an elongated buoyant plug tapered towards its opposite ends; hook means attached to said plug; a flat bill extending from an end of the plug in a horizontal plane containing the longitudinal center line of the plug; and means on said bill for connection to a fishing line on the longitudinal center line of said bill and at a substantial distance to the rear of the leading end of the bill, the area of said bill exposed to the water in front of the intersection of the line of pull with the bill being greater than the area of the bill exposed to the water to the rear thereof; the buoyancy of said plug, the area of said bill, and the location of the connection between said fishing line connecting means being so related as to cause said lure to dive when pulled though the water.

2,425,273

APPARATUS FOR TESTING AIRCRAFT

Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 27, 1944, Serial No. 560,687
6 Claims. (Cl. 73—88)



1. Testing apparatus for aircraft comprising in combination, a generally vertical flexible tension element connected to the aircraft and suspending it freely in space, a generally vertical flexible tension element connected to the aircraft at a different lateral point from the suspending element and holding it down against the pull of the suspending element, whereby the aircraft is floated in space so as to be free to move to a certain extent in response to force applied in any lateral direction, means for applying lateral loads on the aircraft, means for applying a load in one direction upon one of said generally vertical tension elements and means for measuring said applied load.

2,425,274

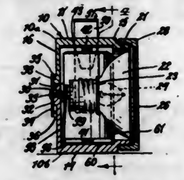
FLASHLIGHT

Charles E. Wohler and Lewis G. Sherwood, Niagara Falls, N. Y., assignors to Niagara Searchlight Company, Inc., Niagara Falls, N. Y., a corporation of New York

Application June 28, 1944, Serial No. 542,517
3 Claims. (Cl. 240—10.63)

1. A flashlight, comprising a casing adapted to contain a battery and comprising two generally counterpart cup-shaped sections fitted together, an annular flange projecting outwardly from said casing and jointly provided by said sections, a

reflector arranged within said annular flange, an electric light bulb mounted in said reflector, a ring embracing said annular flange and holding said sections together, a manual switch carried by one of said sections, means connecting said switch in circuit with said electric light bulb and battery, and latch means connecting said sections together on the side of said casing opposite said flange, and comprising a disk rotatably



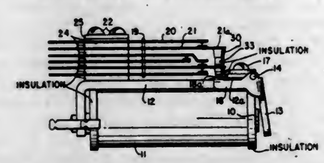
mounted on the adjacent wall of one of said casing sections in generally axial alinement with said annular flange, a rim projecting forwardly from said disk into engagement with said adjacent wall and having an opening at one side, and a boss provided on the adjacent wall of the other of said casing sections and embraced by the rim of said disk, said boss being of such size as to pass through said opening when brought into register therewith.

2,425,275

RELAY STRUCTURE

Fredric E. Wood, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application September 21, 1942, Serial No. 459,121. Divided and this application January 20, 1945, Serial No. 573,676
4 Claims. (Cl. 175—336)



1. In an electromagnet having a core and a field member, a non-magnetic shim seated on said field member adjacent one end of said electromagnet, a clamping member mounted on said shim, an armature having a pivot pin mounted between said clamping member and said shim, and means for securing said clamping member and said shim to said field member.

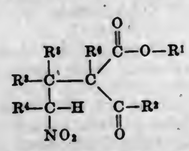
2,425,276

ALIPHATIC NITRO DERIVATIVES OF KETOESTERS AND METHOD FOR PREPARING THEM

Carl T. Bahner, Jefferson City, Tenn.

No Drawing. Application March 22, 1945, Serial No. 584,242
9 Claims. (Cl. 260—471)

1. As new compositions of matter the substituted ketoesters having the following structural formula:



wherein R^1 and R^2 are members selected from the group consisting of lower alkyl and phenyl radicals, R^3 is a member selected from the group consisting of hydrogen, lower alkyl, and phenyl, and R^4, R^5 and R^6 are selected from the group consisting of hydrogen and lower alkyl.

2,425,277

TROCAR

John Berry Davis, Palatka, Fla.

Application August 13, 1945, Serial No. 610,441
3 Claims. (Cl. 27—24)



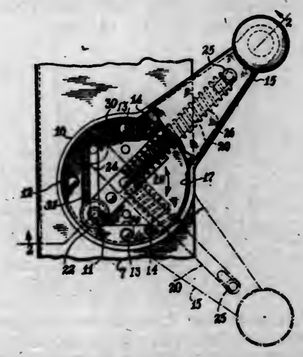
1. An embalming device having a handle portion of a size and configuration to be conveniently grasped and manipulated with one hand by an operator during the removal of fluid and waste matter from, or the introduction of embalming fluid into, a human dead body, said handle portion comprising a casing having a longitudinal passage therethrough and a transparent portion through which clear vision of the interior of the passage and movement of liquid can be observed, and with a part of said casing including said transparent portion defining a chamber provided with a restricted inlet and a restricted outlet for causing turbulence in order to facilitate observation of the contents of said chamber when liquid is flowing from or into the cavity of a human dead body, a tubular needle adapted to be connected to said handle, said needle being of a length to extend into such cavity for removing liquid and waste matter therefrom and for injecting liquid thereinto through both said needle and said casing and such movement observed, whereby it can be determined whether all of the liquid and waste matter have been removed from a particular cavity of such body.

2,425,278

SWITCH ACTUATING MECHANISM

Eric Axel Ericson, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

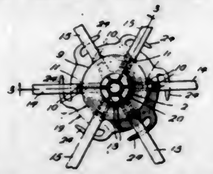
Application December 27, 1945, Serial No. 637,349
8 Claims. (Cl. 74—100)



1. Snap action mechanism comprising a guide frame having a slotted base plate and a plate with a circular outer rim and a transverse inner track, a handle having a hub mounted to oscillate on said frame, a throwing arm having a roller at one end guided on said track and slidable

in the handle, a compression spring mounted on said arm for throwing said arm and a pin carried by said arm and projecting through said base plate.

2,425,279
FIELD TENT
Richard G. Harris, Knoxville, Tenn.
Application October 16, 1945, Serial No. 622,528
6 Claims. (Cl. 135—4)

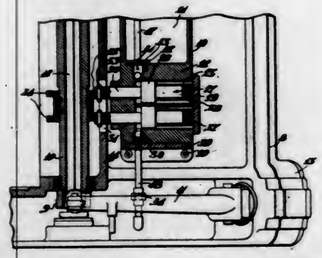


1. In a tent frame, a circular cap, swingable poles radiating from the cap, a rotary bracing and locking member mounted coaxially with said cap, and coacting means on said member and said poles to interengage when said member is rotated.

2,425,280
PRODUCTION OF RIBOFLAVIN BY BUTYL ALCOHOL PRODUCING BACTERIA
Richard J. Hickey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 27, 1945, Serial No. 601,928
4 Claims. (Cl. 195—44)

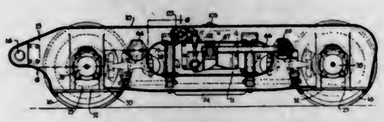
1. In a method for increasing the riboflavin synthesis of butyl alcohol producing cultures when propagated on carbohydrate-containing nutrient media, containing iron in quantities sufficient to inhibit riboflavin synthesis, the step which comprises adding 2,2'-bipyridine thereto in quantities sufficient to inactivate the preponderant proportion of iron present in solution, but insufficient to inhibit traces of iron below about 1 part per million.

2,425,281
LUBRICATION OF MACHINE TOOLS
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application September 10, 1943, Serial No. 501,826
6 Claims. (Cl. 184—6)



1. A lubricator for a machine tool having a power driven mechanism and a movable control lever for rendering said mechanism effective and ineffective, including a reservoir, a fluid chamber connected with said reservoir to derive fluid therefrom, a plunger slidable within said fluid chamber, a lubricant discharge duct from said chamber, spring means for urging said plunger in a direction to cause expulsion of fluid from said chamber through said discharge duct under the pressure of the spring means, and means for filling said fluid chamber with lubricant from said reservoir comprising a member connected with said control lever and positioned to push said plunger against said spring when said control member is moved to render said power driven mechanism effective and to depart from said plunger as said control member is moved to render said power driven mechanism ineffective, whereby said plunger is released to exert spring pressure on the lubricant in said chamber when the power driven mechanism is idle.

2,425,282
RAILWAY TRUCK FRAME
Joseph Ledwinka, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1943, Serial No. 502,721
2 Claims. (Cl. 105—182)



1. A truck frame for railway vehicles comprising two side frames interconnected by transoms, each side frame having two generally vertically-arranged spaced metal plates provided with elongated registering openings extending fore and aft of the vertical transverse center plane of the truck frame, said plates being provided around said central openings with outwardly directed flanges, a sheet metal band interconnecting the plates of each side frame substantially throughout the margins of said openings, said transoms comprising vertical plates having outwardly directed top and bottom flanges and top and bottom plates attached to the respective top and bottom flanges, the ends of said transoms extending through and being secured in said openings, and securing means between the frames and transoms passing through said flanges on the transoms and frames, said band and the respective top and bottom plates where these parts overlap.

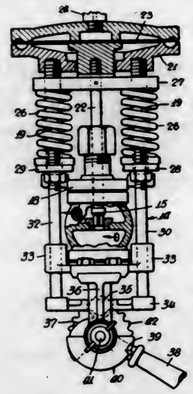
2,425,283
PREPARATION OF ALLYLGLYCINE
Robert S. Long, Somerville, and Corris M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 5, 1946, Serial No. 639,407
10 Claims. (Cl. 260—534)

9. A process for the preparation of an aqueous solution of allylglycine comprising reacting at least eight mols of allylamine with one mol of chloracetic acid in aqueous solution at temperatures below 20° C., adding approximately two mols of alkali and distilling to remove the unreacted allylamine.

2,425,284
VALVE
Paulsen Spence, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York
Application August 7, 1943, Serial No. 497,729
2 Claims. (Cl. 137—153)

1. In a valve, a valve body, a valve therein and having a stem, a pair of separated coil springs,

a bridging member bridging the ends of both of said springs and cooperating with said valve stem at a point intermediate said springs, movable abutment means for the opposite ends of said



springs, and a cam member movably carried by said valve body and cooperable with a part of said movable abutment means for moving the latter to vary the stress on said springs.

2,425,285
ACTIVATED IODINE THERAPEUTIC AGENT
Albert Strickler, Philadelphia, Pa., assignor to The Hersch-Razel Research Foundation, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 11, 1945, Serial No. 572,423
4 Claims. (Cl. 167—58)

1. A therapeutic agent for topical application comprising iodine activated by ultra-violet light in the presence of chlorophyll, heme as a source of iron, and a material continuously evolving oxygen.

2,425,286
AZO GUANAMINES
Jack Theo Thurston, Cos Cob, and Donald William Kaiser, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,148
1 Claim. (Cl. 260—153)

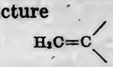
2-hydroxybenzoguanamine - 5 - azobenzene-4'-sulfonic acid.

2,425,287
ARYL CARBOXYGUANAMINES
Jack Theo Thurston, Riverside, and Daniel Elmer Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 19, 1942, Serial No. 447,738
8 Claims. (Cl. 260—249.5)

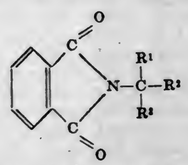
1. A method of preparing a carboxyarylguanamine which comprises dissolving a biguanide and a member selected from the group consisting of an alkyl diester and an alkali metal salt of an alkyl half ester of an aryl dicarboxylic acid in a common solvent whereby reaction is instituted and the guanamine precipitates, continuing the reaction until precipitation substantially ceases, and collecting the resultant guanamine.

2,425,288
PLASTICIZED BUTADIENE POLYMER COMPOSITIONS CONTAINING PHTHALIMIDOALKYL ALKANOATES
Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application January 8, 1945, Serial No. 571,966
5 Claims. (Cl. 260—36)

1. A composition comprising a rubber-like synthetic elastomer of the class consisting of 1,3-butadiene polymers, and copolymers of butadiene polymerized with other monomers having the polymerizable structure

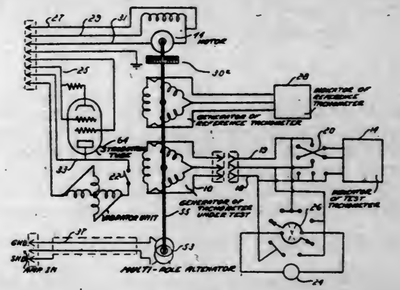


and, as a softener therefor, a phthalimide of a fatty acid ester having the following structural formula



in which R^1 and R^3 are members selected from the group consisting of hydrogen, alkyl and alkanecarbonyloxymethyl, R^2 is alkanecarbonyloxymethyl.

2,425,289
TACHOMETER CALIBRATOR
Delbert J. Ward, Sherman Oaks, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application January 20, 1944, Serial No. 519,039
26 Claims. (Cl. 73—2)

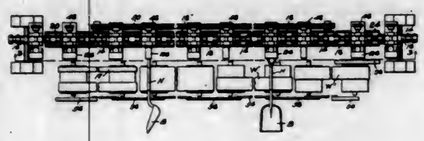


1. An electronic tube control system for adjustable speed D. C. electrical driving means drawing power from an A. C. power line of substantially constant frequency, comprising: a part driven by said electrical driving means; an electric generator driven at a fixed ratio to the speed of said part and generating voltage at a frequency having a definite ratio to the frequency of the line, speed changing means effective to bring the speed of said electrical driving means approximately to a desired value; electronic tube control means operated in response to any phase difference between the voltage frequency of said generator and that of the line to generate a voltage cooperating with the speed changing means to bring the speed of said electrical driving means to the precise value desired, said electronic tube control means thereafter acting automatically to maintain constant speed of said elec-

trical driving means until the speed changing means are again operated; a circuit containing further electronic tube control means and a condenser acting to maintain control during the interval between cycles of the A. C. power line; and electronic means acting to short out said condenser just prior to the operation of said electronic tube control means.

21. A tachometer calibrator comprising: a direct current motor; an electronic circuit for supplying direct current to said motor from an A. C. line; a manually operated phase shifting circuit for adjusting the speed of the motor by varying the output of said electronic circuit; a shaft driven by said motor, the generator of the tachometer to be tested being coupled to said shaft; a support for the indicator of said tachometer; a reference tachometer driven by said shaft; an alternator driven by said shaft; and an electronic circuit acting to generate a control voltage proportional to any difference in harmonically related phase between the voltage generated by the alternator and the A. C. line voltage, the control voltage being applied, in addition to the output of the electronic circuit operating the motor, so as to automatically hold the speed thereof to a desired value until the manually operated speed adjusting means are again operated to set the motor to a different speed.

2,425,290
MACHINE FOR FINISHING THE HANDLES OF SHOVELS
George C. Wharton, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware
Application October 24, 1941, Serial No. 416,345
6 Claims. (Cl. 51—138)

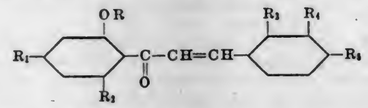


2. A polishing apparatus for the shanks of complete shovels comprising a pair of aligned polishing belts, a conveyor paralleling one side thereof having holders to receive the outer ends of the shanks to support the shovels with the shanks across the belts and the blades suspended on the further side, the holders being pivoted to permit the shovels to sag downwardly toward the belts, and means on said further side between the belts to underride the blade ends as the shovels pass from one belt to the other.

2,425,291
ALKYLATED CHALCONE DERIVATIVES AND METHODS OF PREPARING THE SAME
Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application March 3, 1944, Serial No. 524,870
12 Claims. (Cl. 260—210)

1 AS SOURCE MATERIALS FLAVANONE GLYCOSIDES — as HESPERIDIN
2 CONVERT TO CHALCONE WITH STRONG ALKALI — as 20% NaOH
3 ADD ALKYLATING AGENT — as DIMETHYL SULFATE
4 COOL AND ADJUST TO pH 5 — as WITH H_2SO_4 OR NaOH
5 EXTRACT WITH SOLVENT — as BUTYL ALCOHOL
6 WASH EXTRACTS — as WITH DISTILLED WATER
7 EVAPORATE TO DRYNESS — as UNDER VACUUM

1. An acid stable, water soluble chalcone glycoside having the following general formula:

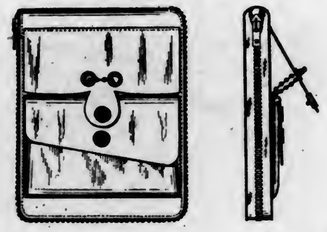


wherein R is a lower alkyl group, R_1, R_2 and R_5 are selected from the group consisting of hydrogen, hydroxyl, lower alkoxyl, glycoside and lower alkoxylated glycoside residues, and at least one thereof being selected from the group consisting of glycoside and lower alkoxylated glycoside residues, and R_3 and R_4 are selected from the group consisting of hydrogen, hydroxyl, and lower alkoxyl.

DESIGNS

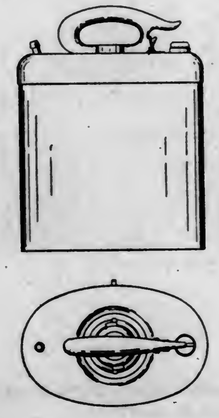
AUGUST 5, 1947

147,225
DESIGN FOR A COMBINED WALLET AND KEY HOLDER
Murray Block, New York, N. Y.
Application April 3, 1947, Serial No. 138,134
Term of patent 7 years
(Cl. D87—3)

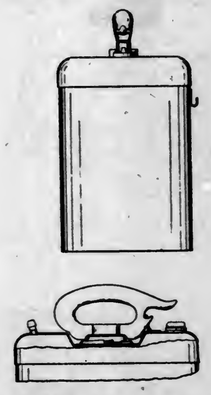


The ornamental design for a combined wallet and key holder, substantially as shown and described.

147,226
DESIGN FOR A SPRAYER
Henry E. Brandt, North St. Paul, Minn.
Application October 6, 1945, Serial No. 122,610
Term of patent 14 years
(Cl. D62—2)

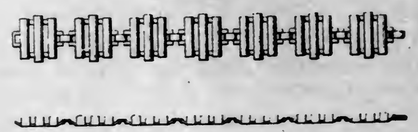


147,226—Continued



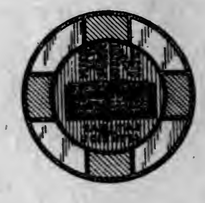
The ornamental design for a sprayer, as shown.

147,227
DESIGN FOR A BRACELET
Cecil F. Carter, New York, N. Y.
Application February 14, 1946, Serial No. 126,549
Term of patent 3½ years
(Cl. D45—4)



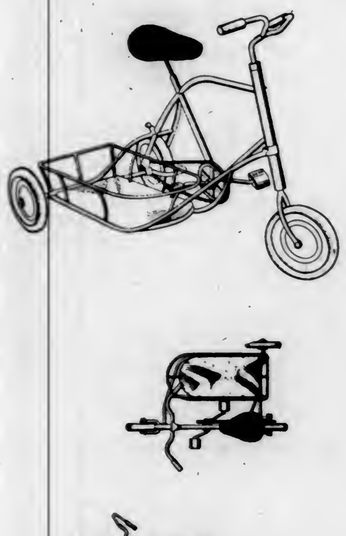
The ornamental design for a bracelet, substantially as shown.

147,228
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE
Amy J. Daniels, North Wilbraham, Mass.
Application April 23, 1946, Serial No. 128,878
Term of patent 14 years
(Cl. D29—19)



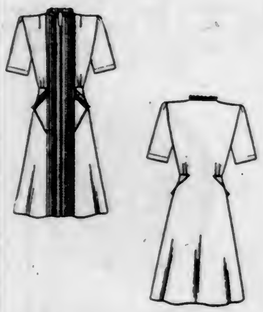
The ornamental design for a medallion or similar article, as shown.

147,229
DESIGN FOR A CHILD'S BICYCLE AND SIDECAR COMBINATION
Harry E. Eisele, South Pasadena, Calif.
Application May 27, 1946, Serial No. 130,106
Term of patent 14 years
(Cl. D34—15)



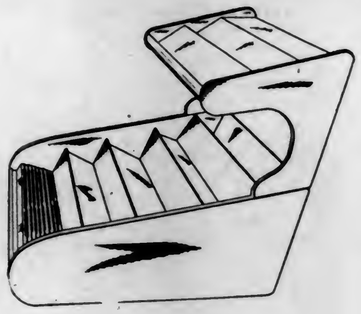
The ornamental design for a child's bicycle and sidecar combination, substantially as shown.

147,230
DESIGN FOR A DRESS
Etta Evans, New York, N. Y.
Application February 7, 1947, Serial No. 136,757
Term of patent 14 years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

147,231
DESIGN FOR A COUNTER DISPLAY CASE
Julian G. Everett, Dobbs Ferry, N. Y., assignor to American Chicle Co., Long Island City, N. Y., a corporation of New Jersey
Application December 7, 1944, Serial No. 116,788
Term of patent 14 years
(Cl. D80—9)



The ornamental design for a counter display case, substantially as shown.

147,232
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application January 13, 1947, Serial No. 136,111
Term of patent 3½ years
(Cl. D3—26)



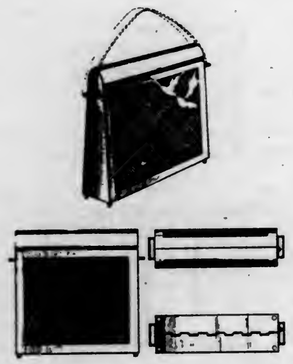
The ornamental design for a negligee, substantially as shown and described.

147,233
DESIGN FOR A BLOUSE
Violet Giovagnoni, New York, N. Y.
Application February 1, 1947, Serial No. 136,614
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse, substantially as shown.

147,234
DESIGN FOR A HANDBAG
Alex Glaser, Paris, France, assignor to Richard Alan Inc., a corporation of New Jersey
Application May 28, 1946, Serial No. 130,182
Term of patent 3½ years
(Cl. D87—3)



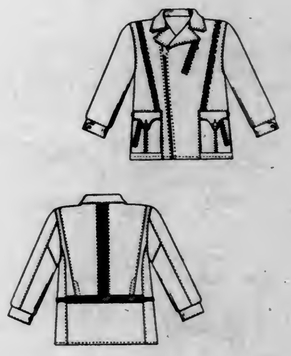
The ornamental design for a handbag, as shown and described.

147,235
DESIGN FOR A LEATHER JACKET
Jack Greenberg and Benjamin Fortgang, New York, N. Y.
Application January 18, 1947, Serial No. 136,238
Term of patent 7 years
(Cl. D3—4)



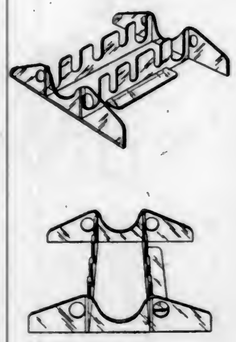
The ornamental design for a leather jacket, substantially as shown.

147,236
DESIGN FOR A LEATHER JACKET
Jack Greenberg and Benjamin Fortgang, New York, N. Y.
Application January 23, 1947, Serial No. 136,326
Term of patent 7 years
(Cl. D3—4)



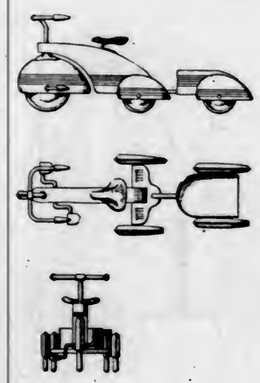
The ornamental design for a leather jacket, substantially as shown.

147,237
DESIGN FOR A TRAY
Henry Herzog, Lincoln, Nebr.
Application October 6, 1945, Serial No. 122,605
Term of patent 14 years
(Cl. D44—10)



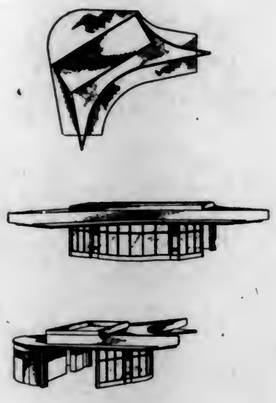
The ornamental design for a tray, as shown.

147,238
DESIGN FOR A COMBINED VELOCIPEDE AND TRAILER
Warner W. Hoople, Dallas, Tex., assignor to Dallas Engineering Company, Dallas, Tex., a partnership consisting of Melvin W. Jackson and Isabel Potts Jackson
Application April 27, 1946, Serial No. 129,039
Term of patent 3½ years
(Cl. D34—15)



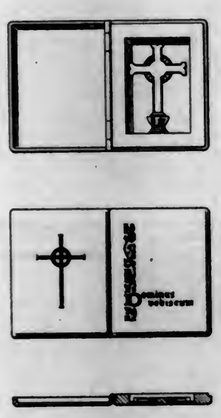
The ornamental design for a combined velocipede and trailer, as shown.

147,239
DESIGN FOR A SERVICE STATION
Alfred H. Jachne, San Francisco, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application March 25, 1946, Serial No. 127,929
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a service station, as shown.

147,240
DESIGN FOR A COMBINED SHRINE OR SIMILAR ARTICLE AND CASE THEREFOR
William Taylor Jones, Scranton, Pa., assignor to Consolidated Molded Products Corporation, Scranton, Pa., a corporation of Delaware
Application March 19, 1946, Serial No. 127,666
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a combined shrine or similar article and case therefor, as shown.

147,241
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,382
Term of patent 7 years
(Cl. D45—19)



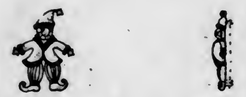
The ornamental design for a brooch or similar article, substantially as shown.

147,242
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,393
Term of patent 7 years
(Cl. D45—19)



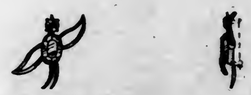
The ornamental design for a brooch or similar article, substantially as shown.

147,243
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,396
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,244
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,493
Term of patent 7 years
(Cl. D45—19)



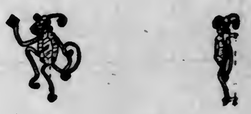
The ornamental design for a brooch or similar article, substantially as shown.

147,245
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,494
Term of patent 7 years
(Cl. D45—19)



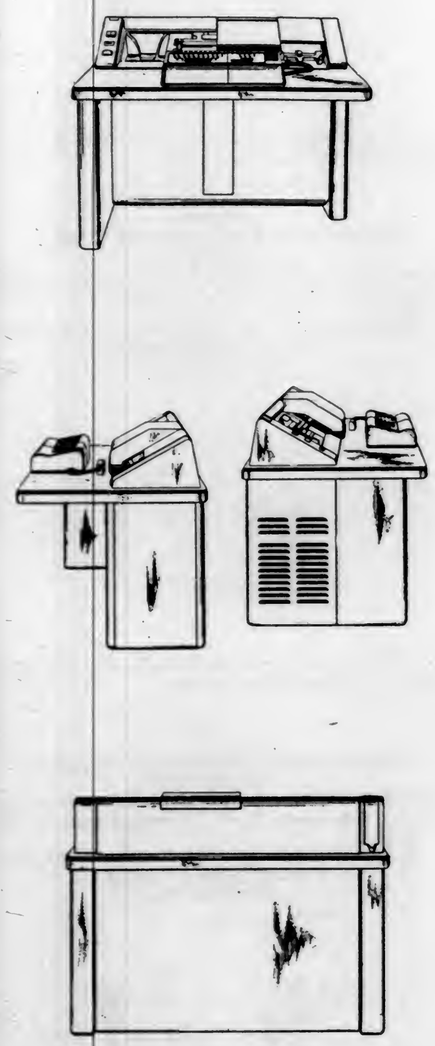
The ornamental design for a brooch or similar article, substantially as shown.

147,246
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,495
Term of patent 7 years
(Cl. D45—19)



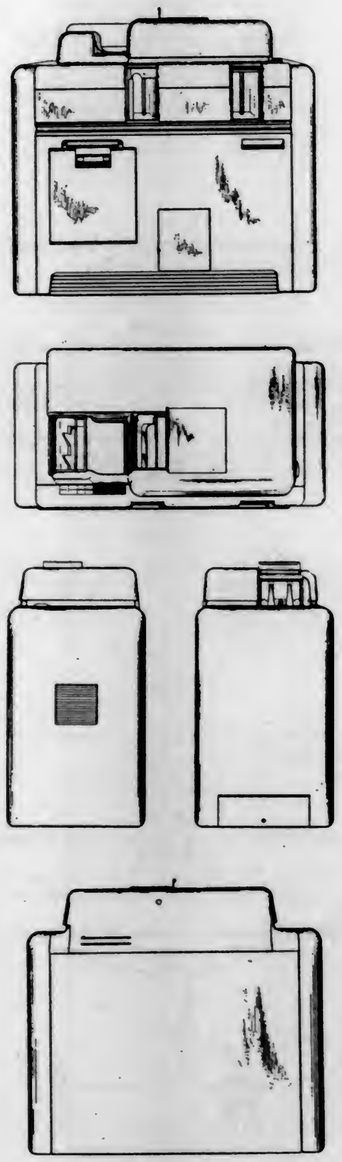
The ornamental design for a brooch or similar article, substantially as shown.

147,247
DESIGN FOR A VERIFIER
George H. Kress, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1946, Serial No. 129,304
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a verifier, as shown.

147,248
DESIGN FOR A PUNCHED CARD REPRODUCING MACHINE
George H. Kress, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1946, Serial No. 129,305
Term of patent 14 years
(Cl. D64—11)



The ornamental design for a punched card reproducing machine, as shown.

147,249
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Evelyn Z. Lipare, New York, N. Y.
Application June 14, 1947, Serial No. 139,688
Term of patent 3½ years
(Cl. D7—7)



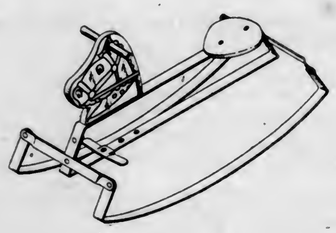
The ornamental design for a shoe or similar article, substantially as shown and described.

147,250
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Evelyn Z. Lipare, New York, N. Y.
Application June 14, 1947, Serial No. 139,689
Term of patent 3½ years
(Cl. D7—7)



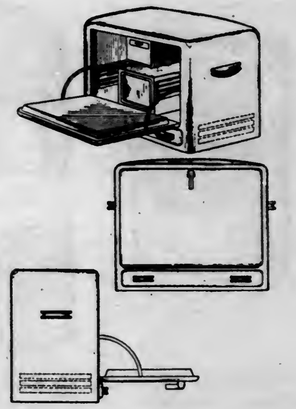
The ornamental design for a shoe or similar article, substantially as shown and described.

147,251
DESIGN FOR A HOBBYHORSE
Francis H. McClernon, Springfield, Mo.
Application January 29, 1946, Serial No. 126,068
Term of patent 14 years
(Cl. D34—15)



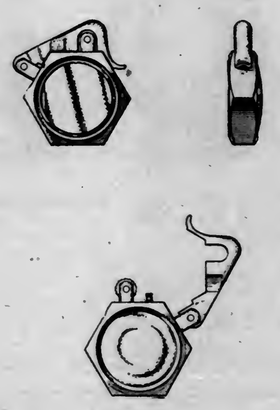
The ornamental design for a hobby horse, as shown and described.

147,252
DESIGN FOR A REFRIGERATOR
Florence P. Rothert, Inglewood, Calif.
Application December 15, 1945, Serial No. 124,785
Term of patent 14 years
(Cl. D67—3)



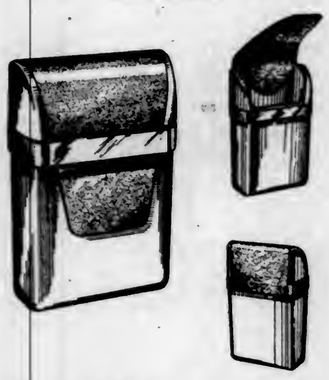
The ornamental design for a refrigerator, substantially as shown and described.

147,253
DESIGN FOR A LIGHTER
Linda Stevens, Jackson Heights, and Benjamin Buda, Long Island City, N. Y.
Application November 9, 1945, Serial No. 123,635
Term of patent 3½ years
(Cl. D48—24)



The ornamental design for a lighter, as shown.

147,254
DESIGN FOR AN ELECTRIC SHAVER CARRYING CASE
Jan Streng, Ridgefield, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 4, 1947, Serial No. 136,668
Term of patent 14 years
(Cl. D87—3)



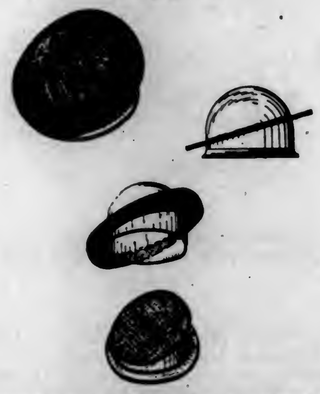
The ornamental design for an electric shaver carrying case, as shown.

147,255
DESIGN FOR A LAPEL WATCH FRAME
David Taylor, Great Neck, N. Y.
Application April 29, 1946, Serial No. 129,068
Term of patent 7 years
(Cl. D42—8)



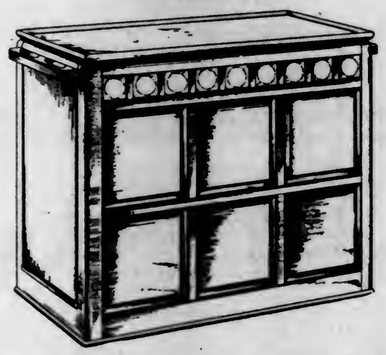
The ornamental design for a lapel watch frame, as shown and described.

147,256
DESIGN FOR A VENDIBLE DISPLAY CONTAINER FOR FINGER RINGS
James J. Waldron, Philadelphia, Pa., assignor to Waldron & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1946, Serial No. 127,747
Term of patent 14 years
(Cl. D80—15)



The ornamental design for a vendible display container for finger rings, as shown.

147,257
DESIGN FOR A CABINET
Albert Wood and Moyer Wood, Port Washington, N. Y.
Application November 8, 1945, Serial No. 123,592
Term of patent 14 years
(Cl. D33—19)



The ornamental design for a cabinet, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbate, Anthony, doing business as Suntreat Fruit Exchange, Fresno, Calif. Fresh grapes, fresh cantaloupes, fresh deciduous fruits, and fresh vegetables. Serial No. 507,704; Aug. 5. Class 46.

Academy Award Products, Inc., New York, N. Y. Guns, pistols, automatic rifles, etc. Serial No. 500,344; Aug 5. Class 9.

Air Reduction Sales Company, New York, N. Y. Aluminum brazing flux. Serial No. 510,148; Aug. 5. Class 6.

American Metal Company, (Limited), New York, N. Y. Metal products. Serial No. 514,093; Aug. 5. Class 14.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, and automobile battery chargers. Serial No. 516,054; Aug. 6. Class 21.

Amexim po Incorporated, New York, N. Y. Piece goods. Serial No. 505,148; Aug. 5. Class 42.

Anglo Fabrics Company, Inc., New York, N. Y. Piece goods of wool and worsted in combination with camel's hair. Serial No. 502,094; Aug. 5. Class 42.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 502,098; Aug. 5. Class 42.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 502,100; Aug. 5. Class 42.

Armour and Company, Chicago, Ill. Live stock foods. Serial No. 501,229; Aug. 5. Class 46.

Associated Products, Inc., Chicago, Ill. Face powder, face makeup, creams, etc. Serial No. 515,251; Aug. 5. Class 6.

Associated Products, Inc., Chicago, Ill. Pocket combs, safety pins, and hat braids. Serial No. 515,596; Aug. 5. Class 40.

Balistocky, Louis M., doing business as Metropolitan Cigar Co., Yoe, Pa. Cigars. Serial No. 501,558; Aug. 5. Class 17.

Bee Chemical Company, Chicago, Ill. Chemical compositions. Serial No. 489,935; Aug. 5. Class 6.

Belcraft Chenilles Inc., New York, N. Y. Chenille bedspreads, bath mats, blankets, sheets, and pillow cases. Serial No. 510,930; Aug. 5. Class 42.

Belding Heminway Company, New York, N. Y. Women's and misses' hosiery. Serial No. 511,788; Aug. 5. Class 39.

Berkeley Wood Products Co., Berkeley, Calif. Clothes hangers. Serial No. 474,744; Aug. 5. Class 50.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes, lipsticks, face powders, etc. Serial No. 508,643; Aug. 5. Class 6.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial No. 509,819; Aug. 5. Class 6.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial No. 509,821; Aug. 5. Class 6.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial Nos. 510,058–60; Aug. 5. Class 6.

Blach, Mervin A., Birmingham, Ala. Neckties. Serial No. 501,814; Aug. 5. Class 39.

Borgfeldt, Geo., Corporation, New York, N. Y. Glassware. Serial No. 508,650; Aug. 5. Class 33.

Bricide Corporation, Chicago, Ill. Antiseptic and disinfectant preparation. Serial No. 515,859; Aug. 5. Class 6.

Brush Development Co., The, Cleveland, Ohio. Recording and reproducing devices. Serial No. 499,042; Dec. 5. Class 21.

Brush Development Co., The, Cleveland, Ohio. Signal recording medium. Serial No. 499,043; Aug. 5. Class 36.

Bryant and Sawyer, Los Angeles, Calif. Dried beans. Serial No. 511,199; Aug. 5. Class 46.

Buchman Laboratories, Inc., Memphis, Tenn. General preservatives, disinfectants, and controllers of bacteria, etc. Serial Nos. 515,155–6; Aug. 5. Class 6.

Buttny, Joseph A., doing business as The JAB Company, Chicago, Ill. Preparation for the eye. Serial No. 494,813; Aug. 5. Class 6.

California Fruit Exchange, Sacramento, Calif. Fresh grapes. Serial No. 512,819; Aug. 5. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 515,655; Aug. 5. Class 6.

Callaway Mills, La Grange, Ga. Tufted cotton rugs. Serial No. 511,005; Aug. 5. Class 42.

Caro-Green, Inc., Kansas City, Mo. Animal and poultry foods. Serial No. 511,377; Aug. 5. Class 46.

Catechetical Guild Educational Society, St. Paul, Minn. Series of motion picture films. Serial No. 516,603; Aug. 5. Class 26.

Cavanaugh, Clarence F., Jr., Newark, N. J. Splash protectors for ladies stockings. Serial No. 507,572; Aug. 5. Class 39.

Cavu Clothes, assignor to Cavu Clothes, Inc., Cincinnati, Ohio. Outer shirts and jackets. Serial No. 472,232; Aug. 5. Class 39.

Cavu Clothes Inc., assignee: *See*—
Cavu Clothes.

Chase Candy Company, St. Joseph, Mo. Candy. Serial No. 495,574; Aug. 5. Class 46.

Chemi-Troll Products, Gibsonburg, Ohio. Insecticides, fungicides, and herbicides. Serial No. 508,030; Aug. 5. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Hair tonic. Serial No. 509,564; Aug. 5. Class 6.

College Inn Food Products Company, Chicago, Ill. Canned tomato juice cocktail, canned chicken a la king, canned boned chicken, etc. Serial No. 498,400; Aug. 5. Class 46.

Compagnie des Montres Marvin, S. A., La Chaux de Fonds, Switzerland. Watches, watch movements, parts of watches and watch movements and chronometers. Serial No. 508,210; Aug. 5. Class 27.

Comptone Company, Ltd., New York, N. Y. Sun glasses, eye glasses, spectacles, and parts thereof, including lenses. Serial No. 507,516; Aug. 5. Class 26.

Comptone Company, Ltd., New York, N. Y. Sun glasses, eye glasses, spectacles, and parts thereof. Serial No. 507,517; Aug. 5. Class 26.

Consolidated Cosmetics, Chicago, Ill. Face powder, perfume, lipstick, etc. Serial No. 510,763; Aug. 5. Class 6.

Consolidated Cosmetics, Chicago, Ill. Face powder, cologne, brilliantine, etc. Serial No. 513,876; Aug. 5. Class 6.

Cooper, Lillian, Cosmetics, Ltd., New City, N. Y. Tooth paste, hand lotion, talcum powder, etc. Serial No. 502,276; Aug. 5. Class 6.

Coralite Dental Products Company, Chicago, Ill. Dental preparation. Serial No. 512,578; Aug. 5. Class 44.

Corn Products Refining Company, New York, N. Y. Starch. Serial No. 513,503; Aug. 5. Class 6.

Craps, M., & Sons Limited, London, England. Ladies' dresses, coats, costumes, etc. Serial No. 500,372; Aug. 5. Class 39.

Crowther, Wm. T., & Son, Inc., Boston, Mass. Frosted fish cat food. Serial No. 515,221; Aug. 5. Class 46.

Crystal-Clear Philatelic Mounts Corporation, Los Angeles, Calif. Philatelic mounts. Serial No. 510,766; Aug. 5. Class 37.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Fresh fish, canned fish, frozen fish, etc. Serial No. 519,061; Aug. 5. Class 46.

Delta Brush Mfg. Corp., New York, N. Y. Artists' brushes. Serial No. 510,574; Aug. 5. Class 29.

Dermetics, Inc., New York, N. Y. Colognes, toilet waters, and perfumes. Serial No. 491,242; Aug. 5. Class 6.

Devon Products Co.: *See*—
Kazanjian, Charles G.

Diamints Limited, London, England. Clear boiled sugar peppermint sweetmeats. Serial No. 489,659; Aug. 5. Class 46.

Dickson Weatherproof Nail Co., Evanston, Ill. Nails and staples. Serial No. 486,405; Aug. 5. Class 13.

Diversey Corporation, The, Chicago, Ill. Insecticide. Serial No. 514,528; Aug. 5. Class 6.

Dobo, Francis F., New York, N. Y. Children's publications. Serial No. 499,486; Aug. 5. Class 38.

Dorset Foods, Ltd., Long Island City, N. Y. Food beverage. Serial No. 516,118; Aug. 5. Class 46.

Dow Chemical Company, The, Midland, Mich. Aromatic chemical. Serial No. 515,163; Aug. 5. Class 6.

Dronsfield Brothers Limited, Lancashire, England. Emery tapes, emery wheels, emery belts, etc. Serial No. 474,400; Aug. 5. Class 4.

Dubbe, Paul E., Los Angeles, Calif. Garment shoulder attachments. Serial No. 501,960; Aug. 5. Class 50.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Agricultural fungicide. Serial No. 514,595; Aug. 5. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. Serial No. 515,260; Aug. 5. Class 6.

Dutch Mill Candy Co., Chicago, Ill. Candies and bonbons. Serial No. 507,114; Aug. 5. Class 46.

Duval, Germaine R., doing business as Parfums Volnay, Suresnes, France. Perfumes, toilet waters, rouge, etc. Serial No. 509,209; Aug. 5. Class 6.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Wooden frames and plastic stands. Serial No. 511,459; Aug. 5. Class 32.

Easydo, Inc., Chicago, Ill. Hair straightener preparation. Serial No. 507,809; Aug. 5. Class 6.

Echo Feature Service: *See*—
Longenecker, D. C.

Economy Textiles, Inc., Greenville, S. C. Textile fabrics of cotton and rayon and combinations thereof. Serial No. 500,669; Aug. 5. Class 42.

Eggers Fabric Company, New York, N. Y. Coated fabrics in the nature of artificial leather. Serial No. 485,338; Aug. 5. Class 50.

Electrical Industries, Inc., Newark, N. J. Electrically heated food warmers and cookers, electrically heated bottle warmers, etc. Serial No. 501,652; Aug. 5. Class 21.

Elysee Cosmetic Manufacturing Co., San Francisco, Calif. Hand lotion. Serial No. 511,270; Aug. 5. Class 6.

Etablissements Rigaud, Inc., New York, N. Y. Perfumes. Serial No. 514,756; Aug. 5. Class 6.

Fansteel Metallurgical Corporation, North Chicago, Ill. Electrical rectifying apparatus, electric current rectifiers, etc. Serial No. 482,471; Aug. 5. Class 21.

Fillmore Lemon Association, Fillmore, Calif. Fresh citrus fruit. Serial Nos. 515,376–7; Aug. 5. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Home, automobile, and portable radio receiving sets and parts thereof, etc. Serial No. 498,222; Aug. 5. Class 21.

Fischer, Chas., Spring Company, The, Brooklyn, N. Y. Metal hat racks, shoe racks, and tie racks. Serial No. 509,138; Aug. 5. Class 13.

Floress Company, Chicago, Ill. Lipsticks; nail lacquer. Serial No. 515,027; Aug. 5. Class 6.

Foote, Pierson & Co., Inc., Newark, N. J. Electrically operated sorting mechanism. Serial No. 510,246; Aug. 5. Class 26.

Freedom Oil Company, Freedom, Pa. Slushing oil for coating steel. Serial No. 467,940; Aug. 5. Class 15.

Freeman, William, & Company Limited, Barnsley, England. Hot water bottles. Serial No. 512,660; Aug. 5. Class 44.

GLK Products, Inc., assignee: *See*—
McDonough, Lewy, Incorporated.

Gillison Knitwear Co., Inc., New York, N. Y. Sweaters, bathing suits, and swimming trunks. Serial No. 506,999; Aug. 5. Class 39.

Goldberg, Simon M., Tucson, Ariz. Chlorine inhalator machine. Serial No. 512,116; Aug. 5. Class 44.

Goldman, Bert, Inc., New York, N. Y. Finger rings. Serial No. 516,688; Aug. 5. Class 28.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Footwear. Serial No. 513,410; Aug. 5. Class 39.

Goodyear Rubber Sundries Inc., New Haven, Conn. Baby pants. Serial No. 511,468; Aug. 5. Class 39.

Hamilton, Joseph P., assignor to New York Motor Coach Advertising Inc., New York, N. Y. Paper folders. Serial No. 488,646; Aug. 5. Class 37.

Hathaway Manufacturing Company, The, New Bedford, Mass., and elsewhere. Cotton piece goods. Serial No. 492,559; Aug. 5. Class 42.

Heberlein & Co. A.-G., Wattwil, Switzerland. Articles of clothing for women and girls. Serial No. 496,508; Aug. 5. Class 39.

Higgins Industries, Inc., New Orleans, La. Prepared plastic preparation. Serial No. 488,758; Aug. 5. Class 6.

Higgins Industries, Inc., New Orleans, La. Light gauge non-carbon steel porcelain materials in sheets. Serial No. 500,658; Aug. 5. Class 12.

Holsum Products: *See*—
Jewett & Sherman Co.

Hudnut, Richard, New York, N. Y. Make-up base. Serial No. 493,597; Aug. 5. Class 6.

Hy-Art, Incorporated, Los Angeles, Calif. Boys', infants', and children's wear. Serial No. 505,836; Aug. 5. Class 39.

Inman Products, Miami, Fla. Electric water heaters. Serial No. 514,421; Aug. 5. Class 21.

Inter-Allied Patent Corp., New York, N. Y. Empty cosmetic bags and handkerchief storage containers. Serial No. 512,419; Aug. 5. Class 2.

International Explosives Corporation, Reno, Nev. Explosives. Serial No. 516,547; Aug. 5. Class 9.

International Lubricant Corporation, Southport, La. Aluminum stearate compounds. Serial No. 493,358; Aug. 5. Class 6.

Irvindale Farms, Inc., Atlanta, Ga. Corn meal. Serial No. 504,674; Aug. 5. Class 46.

JAB Company, The: *See*—
Buttny, Joseph A.

Jackson Iron & Steel Company, Jackson, Ohio. Pig iron, high silicon cast iron pigs and fragments thereof. Serial No. 516,132; Aug. 5. Class 14.

Jewett & Sherman Co., also doing business as Holsum Products, Milwaukee, Wis. Food flavoring extract. Serial No. 508,290; Aug. 5. Class 46.

Kamen Soap Products Co., Inc., New York, N. Y. Soap powder, soap flakes, synthetic paste, etc. Serial No. 509,427; Aug. 5. Class 4.

Katsin, Sonia, Chicago, Ill. Millinery. Serial No. 507,179; Aug. 5. Class 39.

Kazanjian, Charles G., doing business as Devon Products Co., Philadelphia, Pa. Pharmaceutical preparation. Serial No. 515,185; Aug. 5. Class 6.

Kelco Company, San Diego, Calif. Algin product for use as a hydrophilic colloid, etc. Serial No. 516,025; Aug. 5. Class 6.

King, Maurice, doing business as King Products Company, assignor to King Research, Inc., Brooklyn, N. Y. Chemical detergents and soaps. Serial No. 509,842; Aug. 5. Class 4.

King Products Company: *See*—
King, Maurice.

King Research, Inc.: *See*—
King, Maurice.

Kinney, H. W., and Sons, Inc., Columbus, Ind. Carbohydrate food. Serial No. 484,786; Aug. 5. Class 46.

Kirk, C. F., Company, New York, N. Y. Injection solution containing procaine and epinephrine. Serial No. 511,160; Aug. 5. Class 6.

Kirk, C. F., Company, New York, N. Y. Mixture of cholesterol derivatives in oil. Serial No. 511,168; Aug. 5. Class 6.

Kirkman Engineering Corporation, New York, N. Y. Electrical fuses, and fusible links therefor. Serial No. 486,262; Aug. 5. Class 21.

Klein, Muller & Horton, Inc., New York, N. Y. Watches and clocks. Serial No. 517,369; Aug. 5. Class 27.

Korff's Cacao- en Chocoladefabrieken, N. V., Amsterdam, Netherlands. Cocoa and chocolate, chocolate candies, and chocolate flavored milk beverage. Serial No. 505,210; Aug. 5. Class 46.

Kroger Co. The, Cincinnati, Ohio. Bread, butter and fresh milk. Serial No. 501,391; Aug. 5. Class 46.

Leeds, Herbert R., & Co., Inc., New York, N. Y. Woolen worsted, linen, and rayon fabrics in the piece. Serial No. 480,708; Aug. 5. Class 42.

Lever, Harold, Chicago, Ill. Drawers for holding paper money. Serial No. 497,613; Aug. 5. Class 2.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 499,253; Aug. 5. Class 6.

Lincoln & Ulmer, Inc., New York, N. Y. Cigars, cigarettes and smoking tobacco. Serial No. 503,105; Aug. 5.

Longenecker, D. C., doing business as Echo Feature Service, Omaha, Nebr. Newspaper column depicting cartoons, primarily. Serial No. 513,184; Aug. 5. Class 38.

Los Angeles Pharmacal Company: *See*—
Salazar, Lucila.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and/or rayon piece goods. Serial No. 511,024; Aug. 5. Class 42.

Lundgren, John W., Duluth, Minn. Liquid compound used for the treatment of corns, callouses, etc. Serial No. 511,025; Aug. 5. Class 6.

Magnavox Company, The, Fort Wayne, Ind. Dry cell batteries. Serial No. 496,648; Aug. 5. Class 21.

Magnolia Metal Company, Elizabeth, N. J. Babbitt metal. Serial No. 514,123; Aug. 5. Class 14.

Mames Frosted Foods, Inc., New York, N. Y. Frozen precooked hors d'oeuvres. Serial No. 506,176; Aug. 5. Class 46.

Marlow, John L., doing business as Plaque Art Co., Chattanooga, Tenn. Ornamental moulded products. Serial No. 485,690; Aug. 5. Class 8.

Mattos, Henry O., doing business as Michael's Hair Products Co., Brooklyn, N. Y. Liquid soap preparation. Serial No. 506,463; Aug. 5. Class 4.

McDonough, Lewy, Incorporated, assignor to GLK Products, Inc., Cleveland, Ohio. Cream deodorant. Serial No. 515,189; Aug. 5. Class 6.

McGriff, Jennye E., West Palm Beach, Fla. Men's outer shirts. Serial No. 505,605; Aug. 5. Class 39.

Metropolitan Cigar Co.: *See*—
Balistocky, Louis M.

Michael's Hair Products Co.: *See*—
Mattos, Henry O.

Mifflin Chemical Company, Philadelphia, Pa. Rubbing alcohols and emollients. Serial No. 510,966; Aug. 5. Class 6.

Mingea, John, Long Island, N. Y. Face muscle invigorating mask apparatus. Serial No. 512,327; Aug. 5. Class 44.

Minnesota Chemical Company, The, St. Paul, Minn. Cleansers. Serial No. 509,862; Aug. 5. Class 4.

Minnesota Chemical Company, The, St. Paul, Minn. Soap. Serial No. 509,863; Aug. 5. Class 4.

Mirsky, Rubin, Philadelphia, Pa. Canned vegetables, canned fruits, canned fruit juices, etc. Serial No. 504,989; Aug. 5. Class 46.

Modisette, Robert M., Jr., doing business as Santa Anita Engineering Co., Pasadena, Calif. Bottle closure of cork with a plastic pouring device. Serial No. 501,190; Aug. 5. Class 50.

Narvie Clothes, Brooklyn, N. Y. Men's suits and overcoats. Serial No. 513,522; Aug. 5. Class 39.

National Deburring Company, Chicago, Ill. Grinders and polishers. Serial No. 498,916; Aug. 5. Class 23.

National Drug Company, The, Philadelphia, Pa. Mild sedative containing phenobarbital. Serial No. 511,175; Aug. 5. Class 6.

National Plastic Products Company, The, Odenton, Md. Narrow belting. Serial No. 513,947; Aug. 5. Class 40.

National Pressure Cooker Company, Eau Claire, Wis. Pressure cookers and pressure canners. Serial No. 509,786; Aug. 5. Class 13.

New York Motor Coach Advertising Inc., assignee: *See*—
Hamilton, Joseph P.

Nicoletti, Dominick J., doing business as The Refresco Company, New Rochelle, N. Y. Mouth wash. Serial No. 504,380; Aug. 5. Class 6.

Ohio Oil Company, The, Findlay, Ohio. Motor lubricating oil. Serial No. 494,354; Aug. 5. Class 15.

Ohio Oil Company, The, Findlay, Ohio. Motor oil. Serial No. 495,326; Aug. 5. Class 15.

Olin Industries, Inc., East Alton, Ill. Blasting caps, shot shells, rifle, etc. Serial No. 517,510; Aug. 5. Class 9.

Oliver Corporation, The, Chicago, Ill. Tractors and parts thereof. Serial Nos. 513,455–6; Aug. 5. Class 23.

Onyx Oil & Chemical Company, Jersey City, N. J. Synthetic detergent. Serial No. 508,809; Aug. 5. Class 4.

Oxford Paper Company, New York, N. Y. Offset printing paper. Serial No. 507,335; Aug. 5. Class 37.

Parfums Volnay: *See*—
Duval, Germaine B.

Park Chemical Company, Detroit, Mich. Chromium cleaner, dry cleaning fluids, wall and floor cleaning compound, etc. Serial No. 496,653; Aug. 5. Class 4.

Parker, Clarence G., doing business as Smiling Spring Mattres Company, Vivian, La. Mattresses. Serial No. 513,763; Aug. 5. Class 32.

Pearl, John, Detroit, Mich. Garment hangers. Serial Nos. 499,568–9; Aug. 5. Class 50.

Phillips, Wm. E., Co., Los Angeles, Calif. Silver plated and sterling silver hollow ware. Serial No. 508,437; Aug. 5. Class 28.

Pine, Morton S., Co., The, Cleveland, Ohio. Cleaning preparation. Serial No. 510,101; Aug. 5. Class 4.

Plaque Art Co.: *See*—
Marlow, John L.

Porter & Wentz, Inc., Brownsville, Tex. Fresh vegetables. Serial No. 513,332; Aug. 5. Class 46.

Prince, Hugo M., New York, N. Y. Textile fabrics in the piece, of wool, worsted, cotton, rayon, etc. Serial No. 512,987; Aug. 5. Class 42.

Radio Corporation of America, New York, N. Y. Nonmagnetic photograph records. Serial No. 502,596; Aug. 5. Class 36.

Rand, William, New York, N. Y. Synthetic pearls and costume jewelry. Serial Nos. 513,838–9; Aug. 5. Class 28.

Refresco Company, The: *See*—
Nicoletti, Dominick J.

Rey-Jouvin Freres, Grenoble, France. Leather gloves. Serial No. 500,323; Aug. 5. Class 39.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Piece goods of cotton, rayon, or mixtures thereof. Serial No. 491,731; Aug. 5. Class 42.

Robertson, H. H., Company, Pittsburgh, Pa. Ventilating apparatus. Serial No. 483,154; Aug. 5. Class 34.

Roche-Organon, Inc., Nutley, N. J. Synthetic, estrogenic preparation. Serial No. 510,279; Aug. 5. Class 6.

Rosen Co.: *See*—
Rosen, Joseph B.

Rosen, Joseph B., doing business as Rosen Co., New York, N. Y. Brassières. Serial No. 508,549; Aug. 5. Class 39.

Rosenberg, William, New York, N. Y. Wash dresses, daytime dresses, hooverette aprons, etc. Serial No. 511,834; Aug. 5. Class 39.

Rosner, A., & Sons Limited, London, England. Coats, costumes, dresses, etc. Serial No. 505,239; Aug. 5. Class 39.

Rou-Sci Cosmetics: *See*—
Sataloff, Rose S.

Royal, Barry-Carter Mills, Nashville, Tenn. Stock and poultry feeds. Serial No. 506,899; Aug. 5. Class 46.

Royal Star Hosiery Co., Chicago, Ill. Hosiery. Serial No. 505,073; Aug. 5. Class 39.

Safford Company, The: *See*—
Safford, J. O.

Safford, J. O., doing business as The Safford Company, Tryon, N. C. Washing compounds. Serial No. 509,998; Aug. 5. Class 4.

Salazar, Lucila, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Corrective-digestant for the relief of the acidity of the stomach. Serial No. 510,731; Aug. 5. Class 6.

Sanborn Company, Cambridge, Mass. Apparatus for making tracings of heart beats. Serial Nos. 513,845–6; Aug. 5. Class 44.

Sanborn Company, Cambridge, Mass. Apparatus for making tracings of heart beats. Serial No. 513,848; Aug. 5. Class 44.

Santa Anita Engineering Co.: *See*—
Modisette, Robert M., Jr.

Sataloff, Rose S., doing business as Rou-Sci Cosmetics, New York, N. Y. Cosmetics. Serial No. 496,167; Aug. 5. Class 6.

Schneider, Lou, Inc., New York, N. Y. Misses' coats and suits. Serial No. 457,257; Aug. 5. Class 39.

Scott & Williams, Incorporated, Laconia, N. H. Hosiery. Serial No. 505,319; Aug. 5. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for the therapy of skin conditions and allergies. Serial No. 511,511; Aug. 5. Class 6.

Shell Chemical Corporation, San Francisco, Calif. Chemical corrosion inhibitor. Serial No. 510,862; Aug. 5. Class 6.

Silver Bruce Packing Co., Fresno, Calif. Fresh grapes and melons and fresh vegetables. Serial No. 496,479; Aug. 5. Class 46.

Singer Manufacturing Company, The, Elizabeth, N. J. Lubricating-oil. Serial No. 496,671; Aug. 5. Class 15.

Smiling Spring Mattress Company: *See*—
Parker, Clarence G.

Smith, Kline & French Laboratories, Philadelphia, Pa. Ointment. Serial No. 510,449; Aug. 5. Class 6.

Sokoloff, Max, & Co., New York, N. Y. Woven fabrics of nylon yarn. Serial No. 510,622; Aug. 5. Class 42.

Springs Cotton Mills, The, Lancaster, S. C. Sheets, pillowcases, table-cloths and covers, etc. Serial No. 501,347; Aug. 5. Class 42.

Standard Alcohol Company, New York, N. Y. Isopropyl alcohol. Serial No. 510,212; Aug. 5. Class 6.

Standard Alcohol Company, New York, N. Y. Solvent material. Serial No. 510,213; Aug. 5. Class 4.

Star Oil Company, The, Chicago, Ill. Oils and greases. Serial No. 483,636; Aug. 5. Class 15.

Stephano Brothers, Philadelphia, Pa. Cigarettes. Serial No. 510,905; Aug. 5. Class 17.

Suntreat Fruit Exchange: *See*—
Abbate, Anthony.

Tennessee Eastman Corporation, Kingsport, Tenn. Rayon and synthetic yarn. Serial No. 505,866; Aug. 5. Class 43.

Tex Products, Inc., Newark, N. J. Cleaning and polishing preparation. Serial No. 510,131; Aug. 5. Class 4.

Ujvari, Arthur, doing business as U. J. Vari Chocolate Co., New York, N. Y. Candies and chocolates. Serial No. 512,295; Aug. 5. Class 46.

United Condenser Corp., New York, N. Y. Electric condensers. Serial No. 513,785; Aug. 5. Class 21.

United Wallpaper, Inc., Chicago, Ill. Woven fabrics of cotton, impregnated with moisture repellent material. Serial No. 502,039; Aug. 5. Class 42.

Vari, U. J., Chocolate Co.: *See*—
Ujvari, Arthur.

Warren Co., Inc., The, Atlanta, Ga. Air flow coils. Serial No. 516,927; Aug. 5. Class 31.

Weisenberg, Joseph M., New York, N. Y. Articles for infants. Serial No. 493,413; Aug. 5. Class 39.

Welko Incorporated, Chicago, Ill. Electrical appliances. Serial No. 486,978; Aug. 5. Class 21.

West Virginia Pulp and Paper Company, New York, N. Y. Precipitated calcium carbonate technical grade. Serial No. 504,140; Aug. 5. Class 6.

White Textiles, Inc., New York, N. Y. Ladies', misses', and girls' dresses, blouses, playsuits, etc. Serial No. 511,584; Aug. 5. Class 39.

Whitehall Pharmacal Company, New York, N. Y. Preparations for the treatment of athlete's foot. Serial No. 510,911; Aug. 5. Class 6.

Whiting-Plover Paper Company, Stevens Point, Wis. Bond paper, ledger paper, onion skin paper, and manuscript cover. Serial No. 511,049; Aug. 5. Class 37.

Wilson, Charles A., doing business as Charles A. Wilson & Company, Baltimore, Md. Carbon papers and typewriter ribbons. Serial No. 515,349; Aug. 5. Class 11.

Wilson, Charles A., & Company: *See*—
Wilson, Charles A.

Wollensak Optical Company, Rochester, N. Y. Photographic lenses. Serial No. 495,853; Aug. 5. Class 26.

Wol-Men Products Co., Lynn, Mass. Metal rubbish burners. Serial No. 512,728; Aug. 5. Class 34.

Wonderknit Corporation, Lindenhurst, Long Island, N. Y. Towels and wash cloths. Serial No. 510,991; Aug. 5. Class 42.

Zimmerman, Chn., & Son Co. Incorporated, The, New York, N. Y. Bed socks, skating socks, shoulderettes, etc. Serial No. 503,856; Aug. 5. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Addressograph Company, Chicago, Ill., to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machines. 226,560; renewed Apr. 12, 1947. O. G. Aug. 5. Class 23.

Addressograph-Multigraph Corporation: *See*—
Addressograph Company.

Alien Property Custodian: *See*—
Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft.
Krupp, Fried., Aktiengesellschaft.

American Home Foods, Inc.: *See*—
Duff, P., & Sons.

American Injection Molders, Inc., New York, N. Y. Plastic egg cups. 431,803; Aug. 5. Class 2.

American Laboratories, Incorporated, Richmond, Va. Medicinal preparation. 222,787; renewed Jan. 11, 1947. O. G. Aug. 5. Class 6.

American Oil Corporation, The: *See*—
Burger-Adams Petroleum Co.

American Tissue Mills, Holyoke, Mass. Crepe paper of various colors and combinations of colors. 227,763; renewed May 17, 1947. O. G. Aug. 5. Class 37.

Arctic Nu-Air Cooling & Ventilating Company, Chicago, Ill., to United States Air Conditioning Corporation, Minneapolis, Minn. Air-conditioning apparatus and cooling and ventilating systems. 214,379; renewed June 22, 1946. O. G. Aug. 5. Class 34.

Artex Co., Union, N. J. Photographic film, sensitized photographic paper, cameras, etc. 431,737; Aug. 5; Serial No. 504,417; published May 6, 1947. Class 26.

Ashland Oil & Refining Company, Ashland, Ky. Gasoline. 431,784; Aug. 5. Class 15.

Associated Merchandising Corporation, to Associated Merchandising Corporation, New York, N. Y. Hair nets. 228,616; renewed June 7, 1947. O. G. Aug. 5. Class 39.

Associated Products, Inc., Chicago, Ill. Rayon, silk, linen, etc., piece goods. 431,738; Aug. 5; Serial No. 504,420; published May 13, 1947. Class 42.

Ball, Webb C., Watch Company, The: *See*—
Ball, Webster C.

Ball, Webster C., Cleveland, Ohio, to The Webb C. Ball Watch Company, Chicago, Ill. Watches. 57,492; renewed Nov. 13, 1946. O. G. Aug. 5; Class 27.

Ball, Webster C., Cleveland, Ohio, to The Webb C. Ball Watch Company, Chicago, Ill. Watches. 57,631; renewed Nov. 27, 1946. O. G. Aug. 5. Class 27.

Ball, Webster C., Cleveland, Ohio, to The Webb C. Ball Watch Company, Chicago, Ill. Watches. 57,633–4; renewed Nov. 27, 1946. O. G. Aug. 5. Class 27.

Ball, Webster C., Cleveland, Ohio, to The Webb C. Ball Watch Company, Chicago, Ill. Watches. 57,692; renewed Nov. 27, 1946. O. G. Aug. 5. Class 27.

Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 431,769; Aug. 5; Serial No. 514,683; published May 13, 1947. Class 40.

Bates, R. W. Piece Dye Works, Garnerville, N. Y. Piece goods of rayon. 431,794; Aug. 5. Class 42.

Beacon Manufacturing Company: *See*—
Beacon Manufacturing Co.

Beacon Manufacturing Co., Providence, R. I., to Beacon Manufacturing Company, Swannanoa, N. C. Bed blankets, wrapper blankets, comfortables, etc. 62,895; re-renewed May 28, 1947. O. G. Aug. 5. Class 42.

Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I., to Beacon Manufacturing Company, Swannanoa, N. C. Cotton blankets. 228,192; renewed May 24, 1947. O. G. Aug. 5. Class 42.

Berger, Harry, doing business as Harry Berger Shirt Company, to Kaylon Incorporated, New York, N. Y. Men's and boys' collars, pyjamas, nightrobes, etc. 227,038; renewed May 24, 1947. O. G. Aug. 5. Class 39.

Berger, Harry, Shirt Company: *See*—
Berger, Harry.

Black Silk Stove Polish Works, Sterling, Ill., to J. L. Prescott Company, Passaic, N. J. Stove-polish. 62,973; re-renewed June 4, 1947. O. G. Aug. 5. Class 4.

Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany; vested in the Alien Property Custodian, Washington, D. C. Lead-pencils and penholders. 58,701; re-renewed Dec. 25, 1946. O. G. Aug. 5. Class 37.

Boker, H., & Co., Inc., New York, N. Y. Hair clippers. 221,755; renewed Dec. 7, 1946. O. G. Aug. 5. Class 23.

Boker, H., & Co., Inc., New York, N. Y. Hair clippers. 221,758; renewed Dec. 7, 1946. O. G. Aug. 5. Class 23.

Borine inc.: *See*—
Schneider, Walter J.

Bradley & Vrooman Company, Chicago, Ill. Ready-mixed paints, liquid paints, paste paints, etc. 223,862; renewed Feb. 15, 1947. O. G. Aug. 5. Class 16.

Brite Specialty Company, New York, N. Y. Leather wrist watch straps and bracelets, and for buckles, etc. 431,723; Aug. 5; Serial No. 498,823; published May 6, 1947. Class 40.

Bryn-Halden & Nitedals Taendstikfabrik A/S: *See*—
Nitedals Taendstikfabrik Gronvold.

Burger-Adams Petroleum Co., to The American Oil Corporation, Coffeyville, Kans. Lubricating oils and greases. 226,059; renewed Mar. 29, 1947. O. G. Aug. 5. Class 15.

Carnrick, G. W., Co., New York, N. Y., to G. W. Carnrick Co., Newark, N. J. Endocrine tonic. 226,594; renewed Apr. 12, 1947. O. G. Aug. 5. Class 6.

Castle Brothers Incorporated, to Harry Hall & Co., Inc., San Francisco, Calif. Dried fruit. 62,686; re-renewed May 21, 1947. O. G. Aug. 5. Class 46.

Castle Brothers Incorporated, to Harry Hall & Co., Inc., San Francisco, Calif. Dried fruit. 63,093; re-renewed June 4, 1947. O. G. Aug. 5. Class 46.

Cataract Chemical Co., Inc., Buffalo, N. Y. Ink for burnishing the edges of soles and heels of shoes. 431,780; Aug. 5. Class 4.

Chamberlain, F. B., Company, East St. Louis, Ill., and St. Louis, Mo. Self-rising corn meal and flour, yellow corn meal, etc. 222,843; renewed Jan. 11, 1947. O. G. Aug. 5. Class 46.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 226,747; renewed Apr. 19, 1947. O. G. Aug. 5. Class 42.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 227,017; renewed Apr. 26, 1947. O. G. Aug. 5. Class 42.

Chicago Macaroni Co., Chicago, Ill. Alimentary products. 227,800; renewed May 17, 1947. O. G. Aug. 5. Class 46.

Chicago Printed String Company, Chicago, Ill. Cotton ribbon. 431,726; Aug. 5; Serial No. 500,367; published May 13, 1947. Class 42.

Cincinnati Bickford Tool Company, The, Oakley and Cincinnati, Ohio. Power-driven radial drilling machines. 227,027; renewed Apr. 26, 1947. O. G. Aug. 5. Class 23.

Cleasby, Ann D., Eau Claire, Wis. Detachable shoulder pads for straps of brassières and foundation garments. 431,799; Aug. 5. Class 40.

Clover Bags, New York, N. Y. Ladies' handbags. 431,729; Aug. 5; Serial No. 502,121; published May 6, 1947. Class 3.

Colton Fruit Exchange, to Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrous fruits. 226,003; renewed Mar. 29, 1947. O. G. Aug. 5. Class 46.

Colton Fruit Exchange, to Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrous fruits. 228,584; renewed June 7, 1947. O. G. Aug. 5. Class 46.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper. 431,743; Aug. 5; Serial No. 506,011; published May 6, 1947. Class 11.

Combined Metals Reduction Company, Salt Lake City, Utah. Slabs, bars, brick or pigs of non-ferrous metals. 431,733–4; Aug. 5; Serial Nos. 503,552–3; published May 13, 1947. Class 14.

Concordia Milling Company: *See*—
Concordia Milling Company, The.

Concordia Milling Company, The, to Concordia Milling Company, Concordia, Kans. Wheat-flour. 62,937; re-renewed May 28, 1947. O. G. Aug. 5. Class 46.

Consolidated Cork Corporation, Brooklyn, N. Y. Crown caps. 226,357; renewed Apr. 5, 1947. A. G. Aug. 5. Class 50.

Consolidated Textile Co., Inc., New York, N. Y. Piece goods of cotton and piece goods of a mixture of cotton and rayon. 431,722; Aug. 5; Serial No. 498,605; published May 13, 1947. Class 42.

Container Corporation of America, Chicago, Ill. Fiberboard and corrugated-board boxes or shipping containers. 228,345; renewed May 31, 1947. O. G. Aug. 5. Class 2.

Corvette Leather Goods Company: *See*—
Rosking, Morris.

Crucible Steel Company of America, New York, N. Y. Cast alloys of cobalt, chromium, and tungsten. 431,715; Aug. 5; Serial No. 492,035; published Apr. 22, 1947. Class 14.

Cummings, William G., Tulsa, Okla. Grease by-product of petroleum. 431,791–2; Aug. 5. Class 15.

Damus, Shibli S.: *See*—
Colton Fruit Exchange.

Day, J. S., Hanceville, Ala. Medicine for rheumatism, kidney trouble, catarrh, etc. 227,322; renewed May 3, 1947. O. G. Aug. 5. Class 6.

De Laval Separator Company, The, New York and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Centrifugal separators. 59,348; re-renewed Jan. 8, 1947. O. G. Aug. 5. Class 23.

De Laval Separator Company, The, New York and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Cream-separators of all kinds. 61,289; re-renewed Mar. 12, 1947. O. G. Aug. 5. Class 23.

Diamond Braiding Mills, to Diamond Wire & Cable Co., Chicago Heights, Ill. Rubber-covered insulated wire. 228,662; renewed June 7, 1947. O. G. Aug. 5. Class 21.

Diamond Wire & Cable Co.: *See*—
Diamond Braiding Mills.

Diana Mfg. Co.: *See*—
Paper Novelty Company, The.

Diana Manufacturing Co.: *See*—
Paper Novelty Company, The.

Dixon-Bartlett Company, Baltimore, Md. Ladies' and misses' leather shoes and slippers. 62,130; re-renewed Apr. 23, 1947. O. G. Aug. 5. Class 39.

Dodwell & Company, Ltd., New York, N. Y. Portland cement and artificial Portland cement. 228,150; renewed May 24, 1947. O. G. Aug. 5. Class 12.

Domestic Thermostat Company, assignor to Domestic Thermostat Company. Los Angeles, Calif. Thermostats. 431,721; Aug. 5; Serial No. 497,658; published May 13, 1947. Class 26.

Donahoe, Dr. A. A., & Sons, State College, Pa. Mixture of minerals, vitamins, charcoal, etc. 431,785; Aug. 5. Class 6.

Donnelly Garment Company, Kansas City, Mo. Aprons and dresses. 226,675; renewed Apr. 19, 1947. O. G. Aug. 5. Class 39.

Dow Corning Corporation, Midland, Mich. Solutions of organosiloxane fluids. 431,793; Aug. 5. Class 4.

Dresner, S., & Son, Inc., Chicago, Ill. Ladies' and misses' fitted (overnight) cases. 431,771; Aug. 5; Serial No. 514,944; published May 13, 1947. Class 3.

Dubarry Perfumery Company Limited, The, Hove, England. Perfumes, toilet water, complexion powder, etc. 222,481; renewed Jan. 4, 1947. O. G. Aug. 5. Class 6.

Duff, P., & Sons, Pittsburgh, Pa., to American Home Foods, Inc., New York, N. Y. Molasses. 29,485; re-renewed Jan. 19, 1947. O. G. Aug. 5. Class 46.

Dunn Textile Company, Inc., New York, N. Y. Woolen fabrics in the piece. 431,790; Aug. 5. Class 42.

Du Pont, E. I., de Nemours and Company: *See*—
Eastern Dynamite Company, The.
Harrison Bros. & Co.

Durkee, E. R., & Co., New York, N. Y., to The Glidden Company, Cleveland, Ohio. Spices, flavoring extracts, salad-dressing, and sauces. 30,095; re-renewed May 25, 1947. O. G. Aug. 5. Class 46.

Eagle Pencil Company, New York, N. Y. Lead pencils. 224,738; renewed Mar. 1, 1947. O. G. Aug. 5. Class 37.

Eagle Pencil Company, New York, N. Y. Lead pencils. 225,280; renewed Mar. 15, 1947. O. G. Aug. 5. Class 37.

Eagle Pencil Company, New York, N. Y. Lead pencils. 225,607; renewed Mar. 22, 1947. O. G. Aug. 5. Class 37.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead pencils of all kinds. 61,620; renewed Mar. 26, 1947. O. G. Aug. 5. Class 37.

East Alabama Fabricators, Lafayette, Ala. Rope and sash cords. 431,757; Aug. 5; Serial No. 510,496; published May 6, 1947. Class 7.

Eastern Dynamite Company, The, Kenvil, N. J., to E. I. Du Pont de Nemours and Company, Wilmington, Del. High explosives. 61,078; re-renewed Apr. 16, 1947. O. G. Aug. 5. Class 9.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic lenses. 431,754; Aug. 5; Serial No. 509,406; published May 6, 1947. Class 26.

Economics Laboratory, Incorporated, St. Paul, Minn. Washing and cleaning compound. 226,028; renewed Mar. 29, 1947. O. G. Aug. 5. Class 4.

Economy Wholesale House: *See*—
Trigg, Dobbs & Company.

Elkhart Band Instrument Company, The, Elkhart, Ind. Cornets, trumpets, trombones, etc. 431,801; Aug. 5. Class 36.

English Needle & Fishing Tackle Company Limited, The: *See*—
Milward, Henry, & Sons, Limited.

Farbenfabriken—vorm. Friedr. Bayer & Co., Elberfeld, Germany, to Winthrop Chemical Company, Inc., New York, N. Y. Antirheumatic and analgesic mainly for local use. 62,856; re-renewed May 28, 1947. O. G. Aug. 5. Class 6.

Firth Sterling Steel Company, McKeesport, Pa. Sintered carbide hard metal compositions. 431,708; Aug. 5; Serial No. 485,905; published Apr. 15, 1947. Class 14.

Fitzpatrick Bros., Chicago, Ill. Cleaning and scouring compound. 228,186; renewed May 24, 1947. O. G. Aug. 5. Class 4.

Fleetwood Coffee Company: *See*—
Trigg, Dobbs & Company.

Forest Converting Corporstion, New York, N. Y. Knitted and woven fabrics. 431,718; Aug. 5; Serial No. 495,284; published May 6, 1947. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 431,720; Aug. 5; Serial No. 496,074; published May 6, 1947. Class 42.

Fox Company, The: *See*—
Newton, Carl D.

Fritzsche Brothers, to Fritzsche Brothers, Inc., New York, N. Y. First, essential oils and essences; second, the following constituents and derivatives of essential oils; carvol, etc. 62,432; re-renewed May 7, 1947. O. G. Aug. 5. Class 6.

Fritzsche Brothers, Inc.: *See*—
Fritzsche Brothers.

Furiati, Biagio A., Brooklyn, N. Y. Apparatus for clamping meat. 228,448; renewed May 31, 1947. O. G. Aug. 5. Class 23.

Gándara y Haz, Limitada, Vigo (Province of Pontevedra), Spain. Tinned sardines. 431,774; Aug. 5. Class 46.

Gándara y Haz, Limitada, Vigo (Province of Pontevedra), Spain. Canned fish. 431,776; Aug. 5. Class 46.

Gaylord Products, Incorporated, Chicago, Ill. Non-electric hair curling devices. 431,759; Aug. 5; Serial No. 511,872; published May 13, 1947. Class 40.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 227,028; renewed Apr. 26, 1947. O. G. Aug. 5. Class 6.

Gibbons, James, Dublin, Eire. Fancy goods, furnishings, and notions. 431,736; Aug. 5; Serial No. 504,353; published May 6, 1947. Class 40.

Gilliam Candy Company, Paducah, Ky. Candy. 431,739; Aug. 5; Serial No. 504,547; published Mar. 25, 1947. Class 46.

Glidden Company, The: *See*—
Durkee, E. R., & Co.

Gold Leaf and Metallic Powders Co., assignor to Gold Leaf and Metallic Powders Inc., New York, N. Y. Bronze powder, aluminum powder, copper powder, etc. 431,711; Aug. 5; Serial No. 488,216; published May 6, 1947. Class 11.

Gold Leaf and Metallic Powders Inc., assignee: *See*—
Gold Leaf and Metallic Powders Co.

Goldman & Freiman Bottling Co., Inc., to Lord Calvert Beverages, Inc., Baltimore, Md. Carbonated, nonalcoholic, noncereal maltless beverages. 227,954; renewed May 17, 1947. O. G. Aug. 5. Class 45.

Goodrich, B. F., Company, The, New York, N. Y., to The B. F. Goodrich Company, Akron, Ohio. Belting, dredging sleeves, and hose all composed of rubber and fibrous material. 222,863; renewed Jan. 11, 1947. O. G. Aug. 5. Class 35.

Gopher State Canneries, Inc., Watertown, to Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 224,834; renewed Mar. 8, 1947. O. G. Aug. 5. Class 46.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollowware, and cutlery. 431,795; Aug. 5. Class 28.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready-mixed paints. 227,758; renewed May 17, 1947. O. G. Aug. 5. Class 16.

Hacker Import Corporation, The, New York, N. Y. Threads and yarns. 431,770; Aug. 5; Serial No. 514,816; published May 6, 1947. Class 43.

Hall, Harry, & Co., Inc.: *See*—
Castle Brothers Incorporated.

Hamilton Seed & Coal Co., Cedar Rapids, Iowa. Farm and garden seeds. 228,722; renewed June 7, 1947. O. G. Aug. 5. Class 1.

Harrison Bros. & Co., Philadelphia, Pa., to E. I. du Pont de Nemours and Company, Wilmington, Del. Paint and varnish removers. 29,286; re-renewal Dec. 8, 1946. O. G. Aug. 5. Class 16.

Hausman, M., & Sons, New York, N. Y. Textile fabrics in the piece. 431,714; Aug. 5; Serial No. 491,975; published Mar. 19, 1946. Class 42.

Heinz, H. J., Company, Allegheny, to H. J. Heinz Company, Pittsburgh, Pa. Pickles, chow-chow, sauer kraut, etc. 62,182; re-renewed Apr. 23, 1947. O. G. Aug. 5. Class 46.

Helios Kemisk Tekniska Fabriker Aktiebolag: *See*—
Lindahl, Anders.

Highland Fruit Growers Association, Highland, Calif. Fresh citrous fruits. 228,746; renewed June 7, 1947. O. G. Aug. 5. Class 46.

Hills, McLean & Haskins, Incorporated, Binghamton, N. Y. Toilet articles, particularly, perfumes, bath salts, toilet water, etc. 223,093; renewed Jan. 18, 1947. O. G. Aug. 5. Class 6.

Holzapfel's Compositions Company, Limited, Newcastle-upon-Tyne, England, to International Paint Company, New York, N. Y. Paints, mixed paints, and enamels. 58,489; re-renewed Dec. 18, 1946. O. G. Aug. 5. Class 16.

Honegger Feed Mills: *See*—
Honeggers' & Co.

Honeggers' & Co., also doing business as Honegger Feed Mills, Forrest, Ill. Poultry feed. 431,782; Aug. 5. Class 46.

Hughes, John, Liverpool, England, to John Hughes & Co. Limited, Dublin, Ireland. Tea. 226,009; renewed Mar. 29, 1947. O. G. Aug. 5. Class 46.

Hughes, John, & Co. Limited: *See*—
Hughes, John.

Humphreys Homeopathic Medicine Co., to Humphreys Medicine Company Incorporated, New York, N. Y. Remedies for the treatment of fevers, congestions, inflammation, etc. 61,160; re-renewed Mar. 5, 1947. O. G. Aug. 5. Class 6.

Humphreys Medicine Company Incorporated: *See*—
Humphreys Homeopathic Medicine Co.

Hunt, Robert W., Company, Chicago, Ill. Fabricated structural steel. 228,550; renewed June 7, 1947. O. G. Aug. 5. Class 12.

Industrial Synthetics Corporation, Irvington, N. J. Wristwatch straps. 431,761; Aug. 5; Serial No. 518,114; published May 6, 1947. Class 40.

International Paint Company: *See*—
Holzapfel's Compositions Company, Limited.

J. S. Products Corp., New York, N. Y. Chemical compound. 431,706; Aug. 5; Serial No. 458,241; published Mar. 21, 1944. Class 6.

Jackson Company, to Nashua Manufacturing Company, Nashua, N. H. Cotton piece goods and cotton blankets. 62,355; re-renewed Apr. 30, 1947. O. G. Aug. 5. Class 42.

Johnson Belting Company, Inc., New York, N. Y. Leather belting. 228,633; renewed June 7, 1947. O. G. Aug. 5. Class 35.

Johnson & Johnson, New Brunswick, N. J. Suspensory bandages. 60,328; re-renewed Feb. 5, 1947. O. G. Aug. 5. Class 44.

Jordan Marsh Company, Boston, Mass. Textile mattress covers. 227,971; renewed May 17, 1947. O. G. Aug. 5. Class 42.

Kaufmann Department Stores, Inc., to The May Department Stores Company, Pittsburgh, Pa. Hats and caps, hat frames, and hat and cap linings. 221,797; renewed Dec. 14, 1946. O. G. Aug. 5. Class 39.

Kaufmann Department Stores, Inc., to The May Department Stores Company, Pittsburgh, Pa. Automobile tires. 222,345; renewed Dec. 28, 1946. O. G. Aug. 5. Class 35.

Kaylon Incorporated: *See*—
Berger, Harry.

Kelley, Wesley J., Minneapolis, Minn. Detachable pad holders. 431,773; Aug. 5. Class 37.

Kellogg, P. P., Co.: *See*—
United States Envelope Company.

Kerner Incinerator Co., Milwaukee, Wis., to Morse Boulger Destructor Company, New York, N. Y. Incinerators. 225,293; renewed Mar. 15, 1947. O. G. Aug. 5. Class 34.

King Innovations, Inc., New York, N. Y. Ladies' handbags, and combined handbags and cosmetic cases. 431,765; Aug. 5; Serial No. 514,355; published May 13, 1947. Class 3.

Krupp, Fried., Aktiengesellschaft, Essen-on-the-Ruhr, Germany; vested in the Alien Property Custodian, Washington, D. C. Artificial-limb components; artificial chewing apparatus, including means for the attachment thereof. 221,559; renewed Dec. 7, 1946. O. G. Aug. 5. Class 44.

Krupp, Fried., Aktiengesellschaft, Essen-on-the-Ruhr, Germany; vested in the Alien Property Custodian, Washington, D. C. Iron and steel and alloys, sheets, plates, etc. 222,156; renewed Dec. 21, 1946. O. G. Aug. 5. Class 14.

Latisteel Corporation of California, Pasadena, Calif. Steel panels. 431,778; Aug. 5. Class 12.

Lindahl, Anders, to Helios Kemisk Tekniska Fabriker Aktiebolag, Stockholm, Sweden. Laundry powder, cleansing powder for general cleaning purposes. 222,136–7; renewed Dec. 21, 1946. O. G. Aug. 5. Class 4.

Lindahl, Anders, doing business as Tekniska Fabriken Helios, A. Lindahl, to Helios Kemisk Tekniska Fabriker Aktiebolag, Stockholm, Sweden. Metal polish and cleansing powder. 222,138; renewed Dec. 21, 1946. O. G. Aug. 5. Class 4.

Lindenmeyr, Henry, & Sons, to Henry Lindenmeyr & Sons, New York, N. Y. Writing-paper. 59,828; re-renewed Jan. 22, 1947. O. G. Aug. 5. Class 37.

Lonergan, J. E., Company, Philadelphia, Pa. Instruments for mechanically indicating and/or recording pressures and temperatures of liquids, etc. 431,735; Aug. 5; Serial No. 504,113; published May 6, 1947. Class 26.

Lord Calvert Beverages, Inc.: *See*—
Goldman & Freiman Bottling Co., Inc.

Lowell Manufacturing Co.: *See*—
Lowell Specialty Company.

Lowell Specialty Company, doing business as Lowell Manufacturing Co., Chicago, Ill. Sprayers and powder dusters. 431,781; Aug. 5. Class 23.

Lufkin Rule Company, The, Saginaw, Mich. Tape measures. 431,741–2; Aug. 5; Serial Nos. 505,657–8; published May 6, 1947. Class 26.

Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y., to National Carbon Company, Inc., New York, N. Y. Dry batteries. 62,907; renewed May 28, 1947. O. G. Aug. 5. Class 21.

Marlboro Wire Goods Company, Marlboro, Mass. Dish drainers, sponge holders, soap dishes, etc. 228,260; renewed May 24, 1947. O. G. Aug. 5. Class 13.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

Mayer, Franc D., doing business as Reyam Plastic Products Company, Chicago, Ill. Sheet material having the appearance and some of the characteristics of rubber. 431,777; Aug. 5. Class 50.

McKay Company, The, Pittsburgh, Pa. Welding electrodes of the rod or wire type. 431,712; Aug. 5; Serial No. 490,683; published Apr. 15, 1947. Class 14.

Mesner & Mesner, Inc., Hollywood, Calif. Mechanically grooved phonograph records. 431,798; Aug. 5. Class 36.

Messina, Anthony, New York, N. Y. Fitted sewing kits. 431,755; Aug. 5; Serial No. 509,714; published May 6, 1947. Class 40.

Metal Textile Corporation, to Metal Textile Corporation, West Orange, N. J. Fibrous metallic abrasive material. 222,141; renewed Dec. 21, 1946. O. G. Aug. 5. Class 4.

Midcontinent Map Company, Tulsa, Okla. Maps. 228,070; renewed May 24, 1947. O. G. Aug. 5. Class 38.

Milward, Henry, & Sons, Limited, Redditch, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England. Hand sewing-needles, knitting-needles, and crochet-hooks. 58,215; re-renewed Dec. 11, 1946. O. G. Aug. 5. Class 40.

Milward, Henry, & Sons, Limited, Redditch, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England. Fish-hooks, artificial flies, artificial baits, etc. 58,309; re-renewed Dec. 11, 1946. O. G. Aug. 5. Class 22.

Minnesota Valley Canning Company: *See*—
Gopher State Canneries, Inc.

Moline Consumers Company, Moline, Ill. Coal. 228,253; renewed May 24, 1947. O. G. Aug. 5. Class 1.

Monitor Equipment Corporation, New York, N. Y. House hold refrigerators. 431,709; Aug. 5; Serial No. 486,053; published Oct. 2, 1945. Class 31.

Monumental Sales & Mfg. Co., Inc., St. Cloud, Minn. Granite and marble monuments and markers. 226,991; renewed Apr. 26, 1947. O. G. Aug. 5. Class 50.

Morse Boulger Destructor Company: *See*—
Kerner Incinerator Co.

Nash, Inc., Jersey City, N. J. Wallets and billfolds. 431,764; Aug. 5; Serial No. 513,945; published May 13, 1947. Class 3.

Nashua Manufacturing Company: *See*—
Jackson Company.

National Carbon Company, Inc.: *See*—
Manhattan Electrical Supply Company.

National Lead Company: *See*—
White, Carter, Lead Company.

National Research Corporation, Boston, Mass. Vacuum or pressure gauge. 431,752; Aug. 5; Serial No. 509,234; published May 13, 1947. Class 26.

National Smelting Company, The, Cleveland, Ohio. Aluminum alloy ingots and billets. 431,710; Aug. 5; Serial No. 486,802; published Apr. 15, 1947. Class 14.

National Tube Company, Pittsburgh, Pa. Rolled steel. 60,332; re-renewed Feb. 5, 1947. O. G. Aug. 5. Class 14.

Nelkin, Frances, New York, N. Y. Combs and hat fastening devices. 431,762; Aug. 5; Serial No. 513,524; published May 6, 1947. Class 40.

Neuberger, Michael E., New York, N. Y. Liquid shampoo or cleaning material. 431,779; Aug. 5. Class 4.

Neustadtl, Henrietta: *See*—
Neustadtl, Victor.

Neustadtl, Victor, to H. Neustadtl, New York, N. Y. Malt sirups. 222,096; renewed Dec. 21, 1946. O. G. Aug. 5. Class 48.

Newton, Carl D., doing business as The Fox Company, to The Fox Company, San Antonio, Tex. Photographic prints. 222,662; renewed Jan. 4, 1947. O. G. Aug. 5. Class 38.

New York Merchandise Co., Inc., New York, N. Y. Safety pins. 431,732; Aug. 5; Serial No. 503,315; published May 13, 1947. Class 40.

New York Merchandise Co., Inc., New York, N. Y. Combs. 431,796; Aug. 5. Class 40.

Nitedals Taendstikfabrik Gronvold, Ostre Aker, and Christiania, Norway, to Bryn-Halden & Nitedals Taendstikfabrik A/S, Oslo, Norway. Safety matches. 58,313; re-renewed Dec. 11, 1946. O. G. Aug. 5. Class 9.

Northwestern Fisheries Company, Seattle, Wash., to Oxnard Canners, Inc., Monterey, Calif. Canned fish. 63,056; re-renewed June 4, 1947. O. G. Aug. 5. Class 46.

Nu-Dell Manufacturing Company, assignor to Nu-Dell Plastics Corporation, Chicago, Ill. Weather indicators. 431,719; Aug. 5; Serial No. 495,757; published May 13, 1947. Class 26.

Nu-Dell Plastics Corporation, assignee: *See*—
Nu-Dell Manufacturing Company.

Olin Industries, Inc., New Haven, Conn. Loaded paper shot shells. 431,745; Aug. 5; Serial No. 506,255; published May 13, 1947. Class 9.

Olive Products Company, Oroville, Calif. Canned olives and olive oil. 228,676; renewed June 7, 1947. O. G. Aug. 5. Class 46.

Organ Power Corporation, The, Hartford, to The Spencer Turbine Company, West Hartford, Conn. Hydraulic motors, air pumps, water motor pumps, etc. 62,801; re-renewed May 28, 1947. O. G. Aug. 5. Class 23.

Organ Power Corporation, The, Hartford, to The Spencer Turbine Company, West Hartford, Conn. Hydraulic motors, air pumps, water motor pumps, etc. 62,816; re-renewed May 28, 1947. O. G. Aug. 5. Class 23.

Osgood, C. H. & F. L., Norwich, Conn., to Osgood's India Cholagogue, Incorporated, New York, N. Y. "Fever and ague" remedies. 63,287; re-renewed June 11, 1947. O. G. Aug. 5. Class 6.

Osgood's India Cholagogue, Incorporated: *See*—
Osgood, C. H. & F. L.

Oxnard Canners, Inc.: *See*—
Northwestern Fisheries Company.

Paper Novelty Company, The, to Diana Mfg. Co., Green Bay, Wis. Sanitary napkins. 227,890; renewed May 17, 1947. O. G. Aug. 5. Class 44.

Paper Novelty Company, The, to Diana Manufacturing Co., Green Bay, Wis. Sanitary napkins. 228,466; renewed May 31, 1947. O. G. Aug. 5. Class 44.

Park Laboratory Company: *See*—
San Antonio Drug Co.

Park Laboratory Company, San Antonio, Tex. Sarsaparilla for medicinal use, carbolic salve, arnica salve, etc. 227,961; renewed May 17, 1947. O. G. Aug. 5. Class 6.

Patek Brothers, Inc., Milwaukee, Wis. Varnish. 228,452; renewed May 31, 1947. O. G. Aug. 5. Class 16.

Paterson Parchment Paper Company, The: *See*—
Paterson Parchment Paper Co., The.

Paterson Parchment Paper Co., The, Passaic, N. J., to The Paterson Parchment Paper Company, Bristol, Pa. Paper employed as a lining of vegetable crates, cut-flower containers, etc. 228,673; renewed June 7, 1947. O. G. Aug. 5. Class 37.

Paulin, William, doing business as Roll-O-Trouser Guards Manufacturing Co., Western Springs, Ill. Attachment in the nature of a wooden rod with slots at each end to be attached to a garment hanger. 431,800; Aug. 5. Class 50.

Pendleton Woolen Mills, Portland, Oreg. Woolen blankets. 227,302; renewed May 3, 1947. O. G. Aug. 5. Class 42.

Peters, Henry G., Los Angeles, Calif. Drain pipe cleaner. 431,746; Aug. 5; Serial No. 506,260; published Apr. 29, 1947. Class 23.

Photo Research Corporation, San Fernando, Calif. Hemispherical light collector. 431,753; Aug. 5; Serial No. 509,244; published May 13, 1947. Class 26.

Prescott, J. L., Company: *See*—
Black Silk Stove Polish Works.

Prescott, J. L., Company, New York, N. Y., to J. L. Prescott Company, Passaic, N. J. Polish. 225,451; renewed Mar. 22, 1947. O. G. Aug. 5. Class 4.

Proctors Products, New Haven, Conn. Pyrophoric cigar and cigarette lighters, and lighter flints therefor. 431,787; Aug. 5. Class 34.

Pyramid Fisheries Company, Inc.: *See*—
Pyramid Packing Company.

Pyramid Packing Company, Sitka, Alaska, to Pyramid Fisheries Company, Inc., Seattle, Wash. Canned fish. 228,321; renewed May 24, 1947. O. G. Aug. 5. Class 46.

Reyam Plastic Products Company: *See*—
Mayer, Franc D.

Rice-Stix Dry Goods Company, St. Louis, Mo. Overalls and pantaloons. 62,845; re-renewed May 28, 1947. O. G. Aug. 5. Class 39.

Rice-Stix Dry Goods Company, St. Louis, Mo. Knitted and netted underwear. 62,867; re-renewed May 28, 1947. O. G. Aug. 5. Class 39.

Robinson, Victor, New York, N. Y. Monthly publication. 228,356; renewed May 31, 1947. O. G. Aug. 5. Class 38.

Roddenbery Brothers, Cairo, Ga. Table sirup. 225,033; renewed Mar. 8, 1947. O. G. Aug. 5. Class 46.

Roethlisberger & Sohn, Berne and Langnau, Switzerland, to Roethlisberger & Sohn, Schachtelkäsefabrik Aktiengesellschaft, Langnau, Switzerland. Cheese. 212,764; renewed May 11, 1946. O. G. Aug. 5. Class 46.

Roethlisberger & Sohn, Schachtelkäsefabrik Aktiengesellschaft: *See*—
Roethlisberger & Sohn.

Roll-O-Trouser Guards Manufacturing Co.: *See*—
Paulin, William.

Rosemarie de Paris, Inc., New York, N. Y. Candy. 431,744; Aug. 5; Serial No. 506,127; published Dec. 3, 1946. Class 46.

Roskin, Morris, doing business as Corvette Leather Goods Company, Gloversville, N. Y. Handbags. 431,750–1; Aug. 5. Serial Nos. 507,540–1; published May 13, 1947. Class 3.

Safeway Stores, Incorporated: *See*—
Sanitary Grocery Company, Incorporated.

San Antonio Drug Co., to Park Laboratory Company, San Antonio, Tex. Sarsaparilla, carbolic salve, arnica-salve, etc. 59,269; re-renewed Jan. 1, 1947. O. G. Aug. 5. Class 6.

Sanitary Grocery Company, Incorporated, Washington, D. C., to Safeway Stores, Incorporated, Oakland, Calif. Coffee. 227,746; renewed May 17, 1947. O. G. Aug. 5. Class 46.

Schnair, M. R., & Co.: *See*—
Schnair, Milton R.

Schnair, Milton R., doing business as M. R. Schnair & Co., Chicago, Ill. Receptacle-like device. 431,717; Aug. 5; Serial No. 494,130; published May 6, 1947. Class 26.

Schneider, Walter J., Ridgefield Park, N. J., to Borine Inc., New York, N. Y. Tablet recommended for rheumatism, sciatica, and la grippe. 221,874; renewed Dec. 14, 1946. O. G. Aug. 5. Class 6.

Selby Shoe Company, The, Portsmouth, Ohio. Boots and shoes. 227,259; renewed May 3, 1947. O. G. Aug. 5. Class 39.

Shepherd Worsted Mills, Newton, Mass. Yarns. 431,767–8; Aug. 5; Serial Nos. 514,630–1; published May 6, 1947. Class 43.

Skinner & Kennedy Stationery Co., St. Louis, Mo. Key containers. 431,763; Aug. 5; Serial No. 513,589; published May 13, 1947. Class 3.

Smith, Kline & French Company, to Smith, Kline & French Laboratories, Philadelphia, Pa. Remedy for the relief of bronchitis and other spasmodic conditions. 224,003; renewed Feb. 15, 1947. O. G. Aug. 5. Class 6.

Smith, Kline & French Company, to Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for diseases of the nervous system. 227,550; renewed May 10, 1947. O. G. Aug. 5. Class 6.

Smith, Kline & French Laboratories: *See*—
Smith, Kline & French Company.

Sondheim, Herbert, Inc., New York, N. Y. Piece goods of cotton, rayon and wool, etc. 431,707; Aug. 5; Serial No. 473,347; published May 6, 1947. Class 42.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft paper bags. 431,804; Aug. 5. Class 2.

Spalding, A. G., & Bros., Inc., Chicopee, Mass. Hand luggage and suitcases. 431,730; Aug. 5; Serial No. 502,539; published May 6, 1947. Class 3.

Spencer Turbine Company, The: *See*—
Organ Power Corporation, The.

Springfield Grocer Company, Springfield, Mo. Canned fruits, canned vegetables, canned fish, etc. 227,233; renewed May 3, 1947. O. G. Aug. 5. Class 46.

Standard Fuel Engineering Company, Detroit, Mich. Fire brick. 431,740; Aug. 5; Serial No. 504,800; published May 6, 1947. Class 12.

Standard Products Corporation, Boston, Mass. Insulated picnic boxes. 431,788; Aug. 5. Class 2.

Stanley Home Products, Inc., Westfield, Mass. Liquid dentifrice. 431,786; Aug. 5. Class 6.

Stanley Home Products, Inc., Westfield, Mass. All purpose skin cream. 431,797; Aug. 5. Class 6.

Startex Mills, Tucapau, S. C. Crash goods in the piece, towels, and toweling. 431,713; Aug. 5; Serial No. 491,594; published May 13, 1947. Class 42.

Staub & Yorke, Chicago, Ill. Polishes and dressings for use on varnished, lacquered, and enameled surfaces. 228,044; renewed May 31, 1947. O. G. Aug. 5. Class 16.

Stearns' Electric Paste Co.: *See*—
Stearns Electric Paste Co.

Stearns Electric Paste Co., Buffalo, N. Y., to Stearns' Electric Paste Co., Chicago, Ill. Rat and roach exterminator. 60,395–6; re-renewed Feb. 5, 1947. O. G. Aug. 5. Class 6.

Stearns Electric Paste Co., Buffalo, N. Y., to Stearns' Electric Paste Co., Chicago, Ill. Rat and roach exterminator. 61,655; re-renewed Apr. 2, 1947. O. G. Aug. 5. Class 6.

Steinam, A., Company, Inc., New York, N. Y. Rayon piece goods. 431,747; Aug. 5; Serial No. 506,701; published May 6, 1947. Class 42.

Stephens, O. B., doing business as United Oil & Grease Company, Abilene, Tex. Lubricating oil. 431,727; Aug. 5; Serial No. 501,785; published Feb. 25, 1947. Class 15.

Stetson Shoe Company, Inc., The, Weymouth, Mass. Leather boots and shoes. 223,886; renewed Feb. 15, 1947. O. G. Aug. 5. Class 39.

Stevens, C. E., Bros., Inc., Baltimore, Md. All kinds of paper bags. 431,802; Aug. 5. Class 2.

Stora Kopparbergs Bergslags Aktiebolag, Falun, Sweden. Newsprint and wrapping paper. 221,526; renewed Dec. 7, 1946. O. G. Aug. 5. Class 37.

Stuart, Sebastian, Fish Co., Seattle, Wash. Canned fish. 227,534; renewed May 10, 1947. O. G. Aug. 5. Class 46.

Taylor Provision Company, The, Trenton, N. J. Pork roll. 61,356; re-renewed Mar. 19, 1947. O. G. Aug. 5. Class 46.

Tekniska Fabriken Helios, A. Lindahl: *See*—
Lindahl, Anders.

Telaak, Clyde R., Buffalo, N. Y. Blank books. 431,789; Aug. 5. Class 37.

Tetley, Joseph, & Co., Inc.: *See*—
Triangle Tea Company.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 224,122; renewed Feb. 15, 1947. O. G. Aug. 5. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour, corn products. 224,665; renewed Mar. 1, 1947. O. G. Aug. 5. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 228,508; renewed June 7, 1947. O. G. Aug. 5. Class 46.

Thonet Brothers, Inc., New York, N. Y. Furniture. 226,806–7; renewed Apr. 19, 1947. O. G. Aug. 5. Class 32.

Triangle Tea Company, Seattle, Wash., to Joseph Tetley & Co., Inc., New York, N. Y. Tea. 220,286; renewed Nov. 9, 1946. O. G. Aug. 5. Class 46.

Trigg, Dobbs & Company, doing business as Economy Wholesale House, to Fleetwood Coffee Company, Chattanooga, Tenn. Coffee. 216,746; renewed Aug. 17, 1946. O. G. Aug. 5. Class 46.

Tynan & Evans, Inc., New York, N. Y. Apparel fabrics. 431,728; Aug. 5; Serial No. 502,038; published May 13, 1947. Class 42.

Union Confectionery Machinery Co., Inc., New York, N. Y. Machinery for use of bakers and confectioners. 228,679–80; renewed June 7, 1947. O. G. Aug. 5. Class 23.

United Citrus Growers: *See*—
Colton Fruit Exchange.

United Oil & Grease Company: *See*—
Stephens, O. B.

United Shoe Machinery Company, Paterson, N. J., and Boston, Mass., to United Shoe Machinery Corporation, Boston, Mass. Machines for sewing together parts of boots and shoes, attachments for such machines, etc. 59,365–6; re-renewed Jan. 8, 1947. O. G. Aug. 5. Class 23.

United Shoe Machinery Corporation: *See*—
United Shoe Machinery Company.

United States Air Conditioning Corporation: *See*—
Arctic Nu-Air Cooling & Ventilating Company.

United States Envelope Company, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. 431,783; Aug. 5. Class 37.
Universal Camera Corporation, New York, N. Y. Cameras, camera lenses, optical view finders and range finders. 431,724; Aug. 5; Serial No. 498,952; published May 13, 1947. Class 26.
Universal Camera Corporation, New York, N. Y. Cameras, camera lenses, optical view finders, and range finders. 431,725; Aug. 5; Serial No. 498,958; published May 13, 1947. Class 26.
Universal Zonolite Insulation Company, Chicago, Ill. Fertilizer preparation. 431,731; Aug. 5; Serial No. 502,860; published May 6, 1947. Class 10.
Utility Yarns and Supply Company: *See*— Weinberg, Irving R.
Vapo-Cresolene Company: *See*— Vapo-Cresolene Co., The.
Vapo-Cresolene Co., The, Stanley, N. J., and New York, N. Y., to Vapo-Cresolene Company, New York, N. Y. Crude carbolic acid, creosote, or other fractional distillate of the same, etc. 58,072; re-renewed Dec. 4, 1946. O. G. Aug. 5. Class 6.
Veronique of California, Los Angeles, Calif. Shoulder pads. 431,758; Aug. 5; Serial No. 510,870; published May 13, 1947. Class 40.
Vouk, Aloys B., St. Cloud, Minn. General tonic. 227,009; renewed Apr. 26, 1947. O. G. Aug. 5. Class 6.
Vulcan Motor Products, Inc., Newark, N. J. Speedometer cables and casings. 431,772; Aug. 5; Serial No. 518,502; published May 13, 1947. Class 26.
Wall-Feld Co., The, New York, N. Y. Automatic musical boxes. 431,775; Aug. 5. Class 36.
Wayne Creamery, Detroit, Mich. Pasteurized and fresh milk. 228,609; renewed June 7, 1947. O. G. Aug. 5. Class 46.
Weatherall Engineers, Incorporated, Providence, R. I. Oil or gas burning heat generating units. 431,716; Aug. 5; Serial No. 493,990; published Apr. 22, 1947. Class 34.
Weatherall Engineers, Incorporated, Providence, R. I. Fluid fuel burners, fluid fuel burning heat generating units, etc. 431,766; Aug. 5; Serial No. 514,515; published Apr. 22, 1947. Class 34.
Weln, Frank, New York, N. Y. Shoulder pads. 431,760; Aug. 5; Serial No. 512,357; published May 13, 1947. Class 40.
Weinberg, Irving R., doing business as Utility Yarns and Supply Company, New York, N. Y. Yarns. 431,756; Aug. 5; Serial No. 510,371; published May 6, 1947. Class 43.
Wellington Sears Company, New York, N. Y. Cotton piece goods. 431,749; Aug. 5; Serial No. 506,974; published May 13, 1947. Class 42.
Whitaker, William D., Philadelphia, Pa. Dusting and polishing mops. 222,680; renewed Jan. 4, 1947. O. G. Aug. 5. Class 29.
White, Carter, Lead Company, Omaha, Nebr., to National Lead Company, New York, N. Y. White lead. 59,820; re-renewed Jan. 22, 1947. O. G. Aug. 5. Class 16.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 227,921; renewed May 17, 1947. O. G. Aug. 5. Class 4.
Winthrop Chemical Company, Inc.: *See*— Farbenfabriken Vorm, Friedr. Bayer & Co.
Woolson Spice Company, The, Toledo, Ohio. Coffee. 62,822–3; re-renewed May 28, 1947. O. G. Apr. 5. Class 46.
Woolson Spice Company, The, Toledo, Ohio. Coffee. 227,430; renewed May 3, 1947. O. G. Aug. 5. Class 46.
Wyeth Incorporated: *See*— Wyeth, John, & Brother, Incorporated.
Wyeth, John, & Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Liniment. 223,737; renewed Feb. 8, 1947. O. G. Aug. 5. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Moline Consumers Company. 228,253; renewed May 24, 1947. O. G. Aug. 5.
Seeds, Farm and garden. Hamilton Seed & Coal Co. 228,722; renewed June 7, 1947. O. G. Aug. 5.

CLASS 2

Bags, All kinds of paper. C. E. Stevens Bros. Inc. 431,802; Aug. 5.
Bags, Kraft paper. Southern Advance Bag & Paper Co. Inc. 431,804; Aug. 5.
Boxes, Insulated picnic. Standard Products Corporation. 431,788; Aug. 5.
Boxes or shipping containers, Fiber-board and corrugated-board. Container Corporation of America. 228,345; renewed May 31, 1947. O. G. Aug. 5.
Cups, Plastic egg. American Injection Molders, Inc. 431,803; Aug. 5.

CLASS 3

Handbags. M. Roskin. 431,750–1; Aug. 5; Serial Nos. 507,540–1; published May 13, 1947.
Handbags, and combined handbags and cosmetic cases, Ladies'. King Innovations, Inc. 431,765; Aug. 5; Serial No. 514,355; published May 13, 1947.
Handbags, Ladies'. Clover bags. 431,729; Aug. 5; Serial No. 502,121; published May 6, 1947.
Cases, Ladies' and misses' fitted (overnight). S. Dresner & Son, Inc. 431,771; Aug. 5; Serial No. 514,944; published May 13, 1947.
Containers, Key. Skinner & Kennedy Stationery Co. 431,763; Aug. 5; Serial No. 513,589; published May 13, 1947.
Luggage and suitcases, Hand. A. G. Spalding & Bros. Inc. 431,730; Aug. 5; Serial No. 502,539; published May 6, 1947.
Wallets and billfolds. Nash, Inc. 431,764; Aug. 5; Serial No. 513,945; published May 13, 1947.

CLASS 4

Abrasive material, Fibrous metallic. Metal Textile Corporation. 222,141; renewed Dec. 21, 1946. O. G. Aug. 5.
Cleaning and scouring compound. Fitzpatrick Bros. 228,186; renewed May 24, 1947. O. G. Aug. 5.
Ink for burnishing the edges of soles and heels of shoes. Cataract Chemical Co., Inc. 431,780; Aug. 5.
Organosiloxane fluids, Solutions of. Dow Corning Corporation. 431,793; Aug. 5.
Polish. J. L. Prescott Company. 225,451; renewed Mar. 22, 1947. O. G. Aug. 5.
Polish and cleansing powder, Metal. A. Lindahl. 222,138; renewed Dec. 21, 1946. O. G. Aug. 5.
Powder, cleansing powder for general cleaning purposes, Laundry. A. Lindahl. 222,136–7; renewed Dec. 21, 1946. O. G. Aug. 5.
Shampoo or cleaning material, Liquid. M. E. Neuburger. 431,779; Aug. 5.
Soap. J. B. Williams Company. 227,921; renewed May 17, 1947. O. G. Aug. 5.
Stove-polish. Black Silk Stove Polish Works. 62,973; re-renewed June 4, 1947. O. G. Aug. 5.
Washing and cleaning compound. Economics Laboratory, Incorporated. 226,028; renewed Mar. 29, 1947. O. G. Aug. 5.

CLASS 6

Antirheumatic and analgesic, mainly for local use. Farbenfabriken vorm. Friedr. Bayer & Co. 62,856; re-renewed May 28, 1947. O. G. Aug. 5.
Carbolic acid, creosote, or other fractional distillate of the same, etc., Crude. Vapo-Cresolene Co. 58,072; re-renewed Dec. 4, 1946. O. G. Aug. 5.
Chemical compound. J. S. Products Corp. 431,706; Aug. 5; Serial No. 458,241; published Mar. 21, 1944.
Cream, All purpose skin. Stanley Home Products, Inc. 431,797; Aug. 5.
Dentifrice, Liquid. Stanley Home Products, Inc. 431,786; Aug. 5.
Dyes and dyestuffs. General Dyestuff Corporation. 227,028; renewed Apr. 26, 1947. O. G. Aug. 5.
Endocrine tonic. G. W. Carnrick Co. 226,594; renewed Apr. 12, 1947. O. G. Aug. 5.
Exterminator, Rat and roach. Stearns Electric Paste Co. 60,395–6; re-renewed Feb. 5, 1947. O. G. Aug. 5.
Exterminator, Rat and roach. Stearns Electric Paste Co. 61,655; re-renewed Apr. 2, 1947. O. G. Aug. 5.
General tonic. A. B. Vouk. 227,009; renewed Apr. 26, 1947. O. G. Aug. 5.
Liniment. John Wyeth & Brother, Incorporated. 223,737; renewed Feb. 8, 1947. O. G. Aug. 5.
Medicinal preparation. American Laboratories, Incorporated. 222,787; renewed Jan. 11, 1947. O. G. Aug. 5.
Medicine for diseases of the nervous system. Smith, Kline & French Company. 227,550; renewed May 10, 1947. O. G. Aug. 5.
Medicine for rheumatism, kidney trouble, catarrh, etc. J. S. Day. 227,322; renewed May 3, 1947. O. G. Aug. 5.
Minerals, vitamins, charcoal, etc., Mixture of. Dr. A. A. Donahoe & Sons. 431,785; Aug. 5.
Oils and essences; second, the following constituents and derivatives of essential oils; carvol, etc., First, essential. Fritzsche Brothers. 62,432; re-renewed May 7, 1947. O. G. Aug. 5.
Perfumes, toilet water, complexion powder, etc. Dubarry Perfumery Company Limited. 222,481; renewed Jan. 4, 1947. O. G. Aug. 5.
Remedies, "Fever and ague." C. H. & F. L. Osgood. 63,287; re-renewed June 11, 1947. O. G. Aug. 5.
Remedies for the treatment of fevers, congestions, inflammation, etc. Humphreys Homeopathic Medicine Co. 61,160; re-renewed Mar. 5, 1947. O. G. Aug. 5.
Remedy for the relief of bronchitis and other spasmodic conditions. Smith, Kline & French Company. 224,003; renewed Feb. 15, 1947. O. G. Aug. 5.

Sarsaparilla, carbolic salve, arnica salve, etc. San Antonio Drug Co. 59,296; re-renewed Jan. 1, 1947. O. G. Aug. 5.
Sarsaparilla for medical use, carbolic salve, arnica salve, etc. Park Laboratory Company. 227,961; renewed May 17, 1947. O. G. Aug. 5.
Tablet recommended for rheumatism, sciatica, and la grippe. W. J. Schneider. 221,874; renewed Dec. 14, 1946. O. G. Aug. 5.
Toilet articles, particularly, perfumes, bath salts, toilet water, etc. Hills, McLean & Haskins, Incorporated. 223,093; renewed Jan. 18, 1947. O. G. Aug. 5.

CLASS 7

Cords, Rope and sash. East Alabama Fabricators. 431,757; Aug. 5; Serial No. 510,496; published May 6, 1947.

CLASS 9

Explosives, High. Eastern Dynamite Company. 61,978; re-renewed Apr. 16, 1947. O. G. Aug. 5.
Matches, Safety. Nitedals Taendstikfabrik Gronvold. 58,313; re-renewed Dec. 11, 1946. O. G. Aug. 5.
Shells, Loaded paper shot. Olin Industries, Inc. 431,745; Aug. 5; Serial No. 506,255; published May 13, 1947.

CLASS 10

Fertilizer preparation. Universal Zonolite Insulation Company. 431,731; Aug. 5; Serial No. 502,860; published May 6, 1947.

CLASS 11

Carbon paper. Columbia Ribbon & Carbon Manufacturing Company, Inc. 431,743; Aug. 5; Serial No. 506,011; published May 6, 1947.
Powder, aluminum powder, copper powder, etc., Bronze. Gold Leaf and Metallic Powders Co. 431,711; Aug. 5; Serial No. 488,216; published May 6, 1947.

CLASS 12

Brick, Fire. Standard Fuel Engineering Company. 431,740; Aug. 5; Serial No. 504,800; published May 6, 1947.
Panels, Steel. Latisteel Corporation of California. 431,778; Aug. 5.
Portland cement, and artificial Portland cement. Dodwell & Company, Ltd. 228,150; renewed May 24, 1947. O. G. Aug. 5.
Structural steel, Fabricated. Robert W. Hunt Company. 228,550; renewed May 31, 1947. O. G. Aug. 5.

CLASS 13

Dish drainers, sponge holders, soap dishes, etc. Marlboro Wire Goods Company. 228,260; renewed May 24, 1947. O. G. Aug. 5.

CLASS 14

Aluminum alloy ingots and billets. National Smelting Company. 431,710; Aug. 5; Serial No. 486,802; published Apr. 15, 1947.
Cast alloys of cobalt, chromium and tungsten. Crucible Steel Company of America. 431,715; Aug. 5; Serial No. 492,035; published Apr. 22, 1947.
Electrodes of the rod or wire type, Welding. McKay Company. 431,712; Aug. 5; Serial No. 490,683; published Apr. 15, 1947.
Iron and steel and alloys, sheets, plates, etc. Fried. Krupp Aktiengesellschaft. 222,156; renewed Dec. 21, 1946. O. G. Aug. 5.
Metal compositions, Sintered carbide hard. Firth Sterling Steel Company. 431,708; Aug. 5; Serial No. 485,905; published Apr. 15, 1947.
Slabs, bars, bricks, or pigs of non-ferrous metals. Combined Metals Reduction Company. 431,733–4; Aug. 5; Serial Nos. 503,552–3; published May 13, 1947.
Steel, Rolled. National Tube Company. 60,332; re-renewed Feb. 5, 1947. O. G. Aug. 5.

CLASS 15

Gasoline. Ashland Oil & Refining Company. 431,784; Aug. 5.
Grease by-product of petroleum. W. G. Cummings. 431,791–2; Aug. 5.
Oil, Lubricating. O. B. Stephens. 431,727; Aug. 5; Serial No. 501,785; published Feb. 25, 1947.
Oils and greases, Lubricating. Burger-Adams Petroleum Co. 226,059; renewed Mar. 29, 1947. O. G. Aug. 5.

CLASS 16

Paint and varnish removers. Harrison Bros. & Co. 29,286; re-renewed Dec. 8, 1946. O. G. Aug. 5.
Paints, liquid paints, paste paints, etc., Ready-mixed. Bradley & Vrooman Company. 223,862; renewed Feb. 15, 1947. O. G. Aug. 5.
Paints, mixed paints, and enamels. Holzapfel's Compositions Company, Limited. 58,489; re-renewed Dec. 18, 1946. O. G. Aug. 5.
Paints, Ready-mixed. Great Lakes Varnish Works, Inc. 227,758; renewed May 17, 1947. O. G. Aug. 5.
Polishes and dressings for use on varnished, lacquered, and enameled surfaces. Staub & Yorke. 228,404; renewed May 31, 1947. O. G. Aug. 5.
Varnish. Patek Brothers, Inc. 228,452; renewed May 31, 1947. O. G. Aug. 5.
White lead. Carter White Lead Company. 59,820; re-renewed Jan. 22, 1947. O. G. Aug. 5.

CLASS 21

Batteries, Dry. Manhattan Electrical Supply Company. 62,907; re-renewed May 28, 1947. O. G. Aug. 5.
Insulated wire, Rubber-covered. Diamond Braiding Mills. 228,662; renewed June 7, 1947. O. G. Aug. 5.

CLASS 22

Fish-hooks, artificial flies, artificial baits, etc. Henry Milward & Sons, Limited. 58,309; re-renewed Dec. 11, 1946. O. G. Aug. 5.

CLASS 23

Apparatus for clamping meat. B. A. Furiati. 228,448; renewed May 31, 1947. O. G. Aug. 5.
Clippers, Hair. H. Boker & Co. Inc. 221,755; renewed Dec. 7, 1946. O. G. Aug. 5.
Clippers, Hair. H. Boker & Co. Inc. 221,758; renewed Dec. 7, 1946. O. G. Aug. 5.
Cream-separators of all kinds. De Laval Separator Company. 61,289; re-renewed Mar. 12, 1947. O. G. Aug. 5.
Drilling machines, Power-driven radial. Cincinnati Bickford Tool Company. 227,027; renewed Apr. 26, 1947. O. G. Aug. 5.
Machinery for use of bakers and confectioners. Union Confectionery Machinery Co., Inc. 228,679–80; renewed June 7, 1947. O. G. Aug. 5.
Machines for sewing together parts of boots and shoes, attachments for such machines, etc. United Shoe Machinery Company. 59,365–6; re-renewed Jan. 8, 1947. O. G. Aug. 5.
Motors, air pumps, water motor pumps, etc., Hydraulic. Organ Power Corporation. 62,801; re-renewed May 28, 1947. O. G. Aug. 5.
Motors, air pumps, water motor pumps, etc., Hydraulic. Organ Power Corporation. 62,816; re-renewed May 28, 1947. O. G. Aug. 5.
Pipe cleaner, Drain. H. G. Peters. 431,746; Aug. 5; Serial No. 506,260; published Apr. 29, 1947.
Printing machines. Addressograph Company. 226,560; renewed Apr. 12, 1947. O. G. Aug. 5.
Separators, Centrifugal. De Laval Separator Company. 59,348; re-renewed Jan. 8, 1947. O. G. Aug. 5.
Sprayers and powder dusters. Lowell Specialty Company. 431,781; Aug. 5.

CLASS 26

Cables and casings, Speedometer. Vulcan Motor Products, Inc. 431,772; Aug. 5; Serial No. 518,502; published May 13, 1947.
Cameras, camera lenses, optical view finders, and range finders. Universal Camera Corporation. 431,724; Aug. 5; Serial No. 498,952; published May 13, 1947.
Cameras, camera lenses, optical view finders, and range finders. Universal Camera Corporation. 431,725; Aug. 5; Serial No. 498,958; published May 13, 1947.
Film, sensitized photographic paper, cameras, Photographic. Artex Co. 431,737; Aug. 5; Serial No. 504,417; published May 6, 1947.
Gauge, Vacuum or pressure. National Research Corporation. 431,752; Aug. 5; Serial No. 509,234; published May 13, 1947.
Instruments for mechanically indicating and/or recording pressures and temperatures of liquids, etc. J. E. Lonergan Company. 431,735; Aug. 5; Serial No. 504,113; published May 6, 1947.
Lenses, Photographic. Eastman Kodak Company. 431,754; Aug. 5; Serial No. 509,406; published May 6, 1947.
Light collector, Hemispherical. Photo Research Corporation. 431,753; Aug. 5; Serial No. 509,244; published May 13, 1947.
Receptacle-like device. M. R. Schnair. 431,717; Aug. 5; Serial No. 494,130; published May 6, 1947.
Tape measures. Lufkin Rule Company. 431,741–2; Aug. 5; Serial Nos. 505,657–8; published May 6, 1947.
Thermostats. Domestic Thermostat Company. 431,721; Aug. 5; Serial No. 497,658; published May 13, 1947.
Weather indicators. Nu-Dell Manufacturing Company. 431,719; Aug. 5; Serial No. 495,757; published May 13, 1947.

CLASS 27

Watches. W. C. Ball. 57,492; re-renewed Nov. 13, 1946. O. G. Aug. 5.
Watches. W. C. Ball. 57,631; re-renewed Nov. 27, 1946. O. G. Aug. 5.
Watches. W. C. Ball. 57,633–4; re-renewed Nov. 27, 1946. O. G. Aug. 5.
Watches. W. C. Ball. 57,692; re-renewed Nov. 27, 1946. O. G. Aug. 5.

CLASS 28

Flatware, hollowware, and cutlery, Sterling silver. Gorham Manufacturing Company. 431,795; Aug. 5.

CLASS 29

Mops, Dusting and polishing. W. D. Whitaker. 222,680; renewed Jan. 4, 1947. O. G. Aug. 5.

CLASS 31

Refrigerators, Household. Monitor Equipment Corporation. 431,709; Aug. 5; Serial No. 486,053; published Oct. 2, 1945.

CLASS 32

Furniture. Thonet Brothers, Inc. 226,806–7; renewed Apr. 19, 1947. O. G. Aug. 5.

CLASS 34

Air-conditioning apparatus and cooling and ventilating systems. Arctic Nu-Air Cooling & Ventilating Company. 214,379; renewed June 22, 1946. O. G. Aug. 5.
Burners, fluid fuel burning heat generating units, etc., Fluid fuel. Weatherall Engineers, Incorporated. 431,766; Aug. 5; Serial No. 514,515; published Apr. 22, 1947.
Heat generating units, Oil or gas burning. Weatherall Engineers, Incorporated. 431,716; Aug. 5; Serial No. 493,990; published Apr. 22, 1947.
Incinerators. Kerner Incinerator Co. 225,293; renewed Mar. 15, 1947. O. G. Aug. 5.
Lighters, and lighter flints therefor, Pyrophoric cigar and cigarette. Proctors Products. 431,787; Aug. 5.

CLASS 35

Belting, dredging sleeves, and hose all composed of rubber and fibrous material. B. F. Goodrich Company. 222,863; renewed Jan. 11, 1947. O. G. Aug. 5.
Belting, Leather. Johnson Belting Company, Inc. 228,633; renewed June 7, 1947. O. G. Aug. 5.
Tires, Automobile. Kaufmann Department Stores, Inc. 222,345; renewed Dec. 28, 1946. O. G. Aug. 5.

CLASS 36

Cornets, trumpets, trombones, etc. Elkhart Band Instruments Company. 431,801; Aug. 5.
Musical boxes, Automatic. Wal-Feld Co. 431,775; Aug. 5.
Records, Mechanically grooved phonographed. Mesner & Mesner, Inc. 431,798; Aug. 5.

CLASS 37

Blank books. C. R. Telaak. 431,789; Aug. 5.
Crepe paper of various colors and combinations of colors. American Tissue Mills. 227,763; renewed May 17, 1947. O. G. Aug. 5.
Lead-pencils and penholders. Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft. 58,701; re-renewed Dec. 25, 1946. O. G. Aug. 5.
Newsprint and wrapping paper. Stora Kopparbergs Bergslags Aktiebolag. 221,526; renewed Dec. 7, 1946. O. G. Aug. 5.
Pad holders, Detachable. W. J. Kelley. 431,773; Aug. 5.
Paper and envelopes, Correspondence. United States Envelope Company. 431,783; Aug. 5.
Paper employed as a lining of vegetable crates, cut-flower containers, etc. Paterson Parchment Paper Co. 228,673; renewed June 7, 1947. O. G. Aug. 5.
Pencils, Lead. Eagle Pencil Company. 224,738; renewed Mar. 1, 1947. O. G. Aug. 5.
Pencils, Lead. Eagle Pencil Company. 225,280; renewed Mar. 15, 1947. O. G. Aug. 5.
Pencils, Lead. Eagle Pencil Company. 225,607; renewed Mar. 22, 1947. O. G. Aug. 5.
Pencils of all kinds, Lead. Eagle Pencil Company. 61,620; re-renewed Mar. 26, 1947. O. G. Aug. 5.
Writing-paper. Henry Lindenmeyr & Sons. 59,828; re-renewed Jan. 22, 1947. O. G. Aug. 5.

CLASS 38

Maps. Midcontinent Map Company. 228,070; renewed May 24, 1947. O. G. Aug. 5.
Photographic prints. C. D. Newton. 222,662; renewed Jan. 4, 1947. O. G. Aug. 5.
Publication, Monthly. V. Robinson. 228,356; renewed May 31, 1947. O. G. Aug. 5.

CLASS 39

Aprons and dresses. Donnelly Garment Company. 226,675; renewed Apr. 19, 1947. O. G. Aug. 5.
Boots and shoes. Selby Shoe Company. 227,259; renewed May 3, 1947. O. G. Aug. 5.
Boots and shoes, Leather. Stetson Shoe Company, Inc. 223,886; renewed Feb. 15, 1947. O. G. Aug. 5.
Collars, pyjamas, nightrobes, etc., Men's and boys'. H. Berger. 228,038; renewed May 24, 1947. O. G. Aug. 5.
Hair nets. Associated Merchandising Corporation. 228,616; renewed June 7, 1947. O. G. Aug. 5.
Hats and caps, hat frames, and hat and cap linings. Kaufmann Department Stores, Inc. 221,797; renewed Dec. 14, 1946. O. G. Aug. 5.
Overalls and pantaloons. Rice-Stix Dry Goods Company. 62,845; re-renewed May 28, 1947. O. G. Aug. 5.
Shoes and slippers, Ladies and misses', leather. Dixon-Bartlett Company. 62,130; re-renewed Apr. 23, 1947. O. G. Aug. 5.
Underwear, Knitted and netted. Rice-Stix Dry Goods Company. 62,867; re-renewed May 28, 1947. O. G. Aug. 5.

CLASS 40

Combs. New York Merchandise Co., Inc. 431,796; Aug. 5.
Combs and hat fastening devices. F. Nelkin. 431,762; Aug. 5; Serial No. 513,524; published May 6, 1947.
Fancy goods, furnishings and notions. J. Gibbons. 431,736; Aug. 5; Serial No. 504,353; published May 6, 1947.
Hair curling devices, Non-electric. Gaylord Products, Incorporated. 431,759; Aug. 5; Serial No. 511,872; published May 13, 1947.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 431,769; Aug. 5; Serial No. 514,683; published May 13, 1947.
Pads for straps of brassières and foundation garments, Detachable shoulder. A. D. Cleasby. 431,799; Aug. 5.
Pads, Shoulder. Veronique of California. 431,758; Aug. 5; Serial No. 510,870; published May 13, 1947.
Pads, Shoulder. F. Wein. 431,760; Aug. 5; Serial No. 512,357; published May 13, 1947.
Pins, Safety. New York Merchandise Co., Inc. 431,732; Aug. 5; Serial No. 503,315; published May 13, 1947.
Sewing kits, Fitted. A. Messina. 431,755; Aug. 5; Serial No. 509,714; published May 6, 1947.
Sewing-needles, knitting-needles, and crochet-hooks, Hand. Henry Milward & Sons, Limited. 58,215; re-renewed Dec. 11, 1946. O. G. Aug. 5.
Straps and bracelets, and for buckles, etc., Leather wrist watch. Brite Specialty Company. 431,723; Aug. 5; Serial No. 498,823; published May 6, 1947.
Straps, Wrist-watch. Industrial Synthetics Corporation. 431,761; Aug. 5; Serial No. 513,114; published May 6, 1947.

CLASS 42

Apparel fabrics. Tynan & Evans, Inc. 431,728; Aug. 5; Serial No. 502,038; published May 13, 1947.
Blankets, Cotton. Beacon Manufacturing Company. 228,192; renewed May 24, 1947. O. G. Aug. 5.
Blankets, wrapper blankets, comfortables, etc., Bed. Beacon Manufacturing Co. 62,895; re-renewed May 28, 1947. O. G. Aug. 5.
Cotton piece goods. Wellington Sears Company. 431,749; Aug. 5; Serial No. 506,974; published May 13, 1947.
Cotton piece goods and cotton blankets. Jackson Company. 62,355; re-renewed Apr. 30, 1947. O. G. Aug. 5.
Crash goods in the piece, towels, toweling. Startex Mills. 431,713; Aug. 5; Serial No. 491,594; published May 13, 1947.
Fabrics in the piece, Woolen. Dunn Textile Company, Inc. 431,790; Aug. 5.
Fabrics in the piece, Woven, knitted, netted, textile and pile. Cheney Brothers. 226,747; renewed Apr. 19, 1947. O. G. Aug. 5.
Fabrics in the piece, Woven, knitted, netted, textile and pile. Cheney Brothers. 227,017; renewed Apr. 26, 1947. O. G. Aug. 5.
Knitted and woven fabrics. Forest Converting Corporation. 431,718; Aug. 5; Serial No. 495,284; published May 6, 1947.
Mattress covers, Textile. Jordan Marsh Company. 227,971; renewed May 17, 1947. O. G. Aug. 5.
Piece goods of cotton and piece goods of a mixture of cotton and rayon. Consolidated Textile Co., Inc. 431,722; Aug. 5; Serial No. 498,605; published May 13, 1947.
Piece goods of cotton, rayon and wool, etc. Herbert Sondheim, Inc. 431,707; Aug. 5; Serial No. 473,347; published May 6, 1947.
Piece goods of rayon. R. W. Bates Piece Dye Works. 431,794; Aug. 5.
Rayon piece goods. A. Steinam Company, Inc. 431,747; Aug. 5; Serial No. 506,701; published May 6, 1947.
Rayon, silk, linen, etc. piece goods. Associated Products, Inc. 431,738; Aug. 5; Serial No. 504,420; published May 13, 1947.
Ribbon, Cotton. Chicago Printed String Company. 431,726; Aug. 5; Serial No. 500,367; published May 13, 1947.
Textile fabrics in the piece. M. Hausman & Sons. 431,714; Aug. 5; Serial No. 491,975; published Mar. 19, 1946.
Woolen blankets. Pendleton Woolen Mills. 227,302; renewed May 3, 1947. O. G. Aug. 5.
Woolen piece goods. Forstmann Woolen Co. 431,720; Aug. 5; Serial No. 496,074; published May 6, 1947.

CLASS 43

Threads and yarns. Hacker Import Corporation. 431,770; Aug. 5; Serial No. 514,816; published May 6, 1947.
Yarns. Shepherd Worsted Mills. 431,767–8; Aug. 5; Serial Nos. 514,630–1; published May 6, 1947.
Yarns. I. R. Weinberg. 431,756; Aug. 5; Serial No. 510,371; published May 6, 1947.

CLASS 44

Artificial-limb components; artificial chewing apparatus, including means for attachment thereof. Fried. Krupp Aktiengesellschaft. 221,559; renewed Dec. 7, 1946. O. G. Aug. 5.
Bandages, Suspensory. Johnson & Johnson. 60,328; re-renewed Feb. 5, 1947. O. G. Aug. 5.

Sanitary napkins. Paper Novelty Company. 227,890; renewed May 17, 1947. O. G. Aug. 5.
Sanitary napkins. Paper Novelty Company. 228,466; renewed May 31, 1947. O. G. Aug. 5.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. Goldman & Freiman Bottling Co., Inc. 227,954; renewed May 17, 1947. O. G. Aug. 5.

CLASS 46

Alimentary products. Chicago Macaroni Co. 227,800; renewed May 17, 1947. O. G. Aug. 5.
Candy. Gilliam Candy Company. 431,739; Aug. 5; Serial No. 504,547; published Mar. 25, 1947.
Candy. Rosemarie de Paris, Inc. 431,744; Aug. 5; Serial No. 506,127; published Dec. 3, 1946.
Canned fish. Gandara y Haz, Limitada. 431,776; Aug. 5.
Canned fish. Northwestern Fisheries Company. 63,056; re-renewed June 4, 1947. O. G. Aug. 5.
Canned fish. Pyramid Packing Company. 228,321; renewed May 24, 1947. O. G. Aug. 5.
Canned fish. Sebastian Stuart Fish Co. 227,534; renewed May 10, 1947. O. G. Aug. 5.
Canned fruits, canned vegetables, canned fish, etc. Springfield Grocer Company. 227,233; renewed May 3, 1947. O. G. Aug. 5.
Canned olives and olive oil. Olive Products Company. 228,676; renewed June 7, 1947. O. G. Aug. 5.
Canned vegetables. Gopher State Canneries, Inc. 224,834; renewed Mar. 8, 1947. O. G. Aug. 5.
Cheese. Roethlisberger & Sohn. 212,764; renewed May 11, 1946. O. G. Aug. 5.
Coffee. Sanitary Grocery Company, Incorporated. 227,746; renewed May 17, 1947. O. G. Aug. 5.
Coffee. Trigg, Dobbs & Company. 216,746; renewed Aug. 17, 1946. O. G. Aug. 5.
Coffee. Woolson Spice Company. 62,822–3; re-renewed May 28, 1947. O. G. Aug. 5.
Coffee. Woolson Spice Company. 227,430; renewed May 3, 1947. O. G. Aug. 5.
Corn meal and flour, yellow corn meal, etc., Self-rising. F. B. Chamberlain Company. 222,843; renewed Jan. 11, 1947. O. G. Aug. 5.
Feed, Poultry. Honeggers' & Co. 431,782; Aug. 5.
Flour, corn products, Wheat. Texas Star Flour Mills. 224,665; renewed Mar. 1, 1947. O. G. Aug. 5.
Flour, Wheat. Texas Star Flour Mills. 224,122; renewed Feb. 15, 1947. O. G. Aug. 5.
Flour, Wheat. Texas Star Flour Mills. 228,508; renewed June 7, 1947. O. G. Aug. 5.
Fruit, Dried. Castle Brothers Incorporated. 62,686; re-renewed May 21, 1947. O. G. Aug. 5.
Fruit, Dried. Castle Brothers Incorporated. 63,093; re-renewed June 4, 1947. O. G. Aug. 5.
Fruits, Fresh citrous. Colton Fruit Exchange. 226,003; renewed Mar. 29, 1947. O. G. Aug. 5.
Fruits, Fresh citrous. Colton Fruit Exchange. 228,584; renewed June 7, 1947. O. G. Aug. 5.
Fruits, Fresh citrous. Highland Fruit Growers Association. 228,746; renewed June 7, 1947. O. G. Aug. 5.
Milk, Pasteurized and fresh. Wayne Creamery. 228,609; renewed June 7, 1947. O. G. Aug. 5.
Molasses. P. Duff & Sons. 29,485; re-renewed Jan. 19, 1947. O. G. Aug. 5.
Pickles, chow-chow, and sauer kraut, etc. H. J. Heinz Company. 62,182; re-renewed Apr. 23, 1947. O. G. Aug. 5.
Pork roll. Taylor Provision Company. 61,356; re-renewed Mar. 19, 1947. O. G. Aug. 5.
Sardines, Tinned. Gándara y Haz, Limitada. 431,774; Aug. 5.
Sirup, Table. Roddenbery Brothers. 225,033; renewed Mar. 8, 1947. O. G. Aug. 5.
Spices, flavoring extracts, salad-dressing, and sauces. E. R. Durkee & Co. 30,095; re-renewed May 25, 1947. O. G. Aug. 5.
Tea. J. Hughes. 226,009; renewed Mar. 29, 1947. O. G. Aug. 5.
Tea. Triangle Tea Company. 220,286; renewed Nov. 9, 1946. O. G. Aug. 5.
Wheat-flour. Concordia Milling Company. 62,937; re-renewed May 28, 1947. O. G. Aug. 5.

CLASS 48

Malt sirups. V. Neustadtl. 222,096; renewed Dec. 21, 1946. O. G. Aug. 5.

CLASS 50

Attachment in the nature of a wooden rod with slots at each end to be attached to a garment hanger. W. Paulin. 431,800; Aug. 5.
Caps, Crown. Consolidated Cork Corporation. 226,357; renewed Apr. 5, 1947. O. G. Aug. 5.
Monuments and markers, Granite and marble. Monumental Sales & Mfg. Co., Inc. 226,991; renewed Apr. 26, 1947. O. G. Aug. 5.
Sheet material having the appearance and some of the characteristics of rubber. F. D. Mayer. 431,777; Aug. 5.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bennington, C. H., Mfg. Co., Inc., assignee: *See*—
Hinkle, George A.

Hinkle, George A., New York, assignor to C. H. Bennington Mfg. Co., Inc., Hempstead, Long Island, N. Y. Artificial leg. Re. 22,903; Aug. 5.

LIST OF DESIGN PATENTEES

Alan, Richard, Inc., assignee: *See*—
Glaser, Alex.

American Chicle Co., assignee: *See*—
Everett, Julian G.

Block, Murray, New York, N. Y. Combined wallet and key holder. 147,225; Aug. 5.

Brandt, Henry E., North St. Paul, Minn. Sprayer. 147,226; Aug. 5.

Buda, Benjamin: *See*—
Stevens, Linda, and Buda.

California Research Corporation, assignee: *See*—
Jaehne, Alfred H.

Carter, Cecil F., New York, N. Y. Bracelet. 147,227; Aug. 5.

Consolidated Molded Products Corporation, assignee: *See*—
Jones, William T.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Dallas Engineering Company, assignee: *See*—
Hoople, Warner W.

Daniels, Amy J., North Wilbraham, Mass. Medallion or similar article. 147,228; Aug. 5.

Eisele, Harry E., South Pasadena, Calif. Child's bicycle and sidecar combination. 147,229; Aug. 5.

Evans, Etta, New York, N. Y. Dress. 147,230; Aug. 5.

Everett, Julian G., Dobbs Ferry, assignor to American Chicle Co., Long Island City, N. Y. Counter display case. 147,231; Aug. 5.

Fortgang, Benjamin: *See*—
Greenberg, Jack, and Fortgang.

Giovagnoni, Violet, New York, N. Y. Negligee. 147,232; Aug. 5.

Giovagnoni, Violet, New York, N. Y. Blouse. 147,233; Aug. 5.

Glaser, Alex, Paris, France, assignor to Richard Alan Inc. Handbag. 147,234; Aug. 5.

Greenberg, Jack, and B. Fortgang, New York, N. Y. Leather jacket. 147,235; Aug. 5.

Greenberg, Jack, and B. Fortgang, New York, N. Y. Leather jacket. 147,236; Aug. 5.

Herzog, Henry, Lincoln, Nebr. Tray. 147,237; Aug. 5.

Hoople, Warner W., assignor to Dallas Engineering Company, Dallas, Tex. Combined velocipede and trailer. 147,238; Aug. 5.

International Business Machines Corporation, assignee: *See*—
Kress, George H.

Jaehne, Alfred H., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Service station. 147,239; Aug. 5.

Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Combined shrine or similar article and case therefor. 147,240; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,241; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,242; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,243; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,244; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,245; Aug. 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,246; Aug. 5.

Kress, George H., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Verifier. 147,247; Aug. 5.

Kress, George H., Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Punched card reproducing machine. 147,248; Aug. 5.

Lipare, Evelyn Z., New York, N. Y. Shoe or similar article. 147,249; Aug. 5.

Lipare, Evelyn Z., New York, N. Y. Shoe or similar article. 147,250; Aug. 5.

McClernon, Francis H., Springfield, Mo. Hobbyhorse. 147,251; Aug. 5.

Remington Rand, Inc., assignee: *See*—
Streng, Jan.

Rothert, Florence P., Inglewood, Calif. Refrigerator. 147,252; Aug. 5.

Stevens, Linda, Jackson Heights, and B. Buda, Long Island City, N. Y. Lighter. 147,253; Aug. 5.

Streng, Jan, Ridgefield, Conn., assignor to Remington Rand, Inc., Buffalo, N. Y. Electric shaver carrying case. 147,254; Aug. 5.

Taylor, David, Great Neck, N. Y. Lapel watch frame. 147,255; Aug. 5.

Waldron & Company, Inc., assignee: *See*—
Waldron, James J.

Waldron, James J., assignor to Waldron & Company, Inc., Philadelphia, Pa. Vendible display container for finger rings. 147,256; Aug. 5.

Wood, Albert and M., Port Washington, N. Y. Cabinet. 147,257; Aug. 5.

Wood, Moyer: *See*—
Wood, Albert and M.

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TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Addressograph-Multigraph Corporation, assignee: *See*—
Gollwitzer, Walter T.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Griffin, Edward L., Jr.

Alexander, Harvey A., Lansing, Mich. Combination tendon extractor and foot and head severing device. 2,425,077; Aug. 5.

Alford, Andrew, New York, N. Y., assignor to Federal Telephone and Radio Corporation. Tube arrangement for frequency doubling. 2,424,959; Aug. 5.

Allen, William H., Rutherford, assignor to Empire Box Corporation, Garfield, N. J. Bottle carrier carton. 2,425,140; Aug. 5.

Allied Chemical & Dye Corporation, assignee: *See*—
Baney, Leo J.

American Cyanamid Company, assignee: *See*—
Kropa, Edward L.
Kuh, Erwin, and Clapper.
Long, Robert S., and Hofmann.
Scalera, Mario, and Stewart.
Thurston, Jack T., and Kaiser.
Thurston, Jack T., and Nagy.

American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.

Ames Baldwin Wyoming Co., assignee: *See*—
Wharton, George C.

Anderson, William B., Detroit, Mich., A. W. Haley, Longmeadow, and A. H. Kelly, Springfield, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,425,021; Aug. 5.

Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Track shoe. 2,425,219; Aug. 5.

Automatic Electric Laboratories, Inc.: *See*—
Faulkner, Alfred H.
Herrick, Roswell H.
Johnson, Vincent A., and Wood.
Wood, Frederic E.

Bahner, Carl T., Jefferson City, Tenn. Aliphatic nitro derivatives of keto-esters and preparing them. 2,425,276; Aug. 5.

Bain, Joseph P., and A. H. Best, Jacksonville, Fla., assignors to The Glidden Company, Cleveland, Ohio. Alkoxy menthene-7-carbinols and preparing same. 2,424,960; Aug. 5.

Bancroft, Erwin P., Brooklyn, and J. L. Jatlow, assignors to Federal Telephone Corporation, New York, N. Y. Demodulator for carrier telegraph signals. 2,424,961; Aug. 5.

Baney, Leo J., Philadelphia, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of pyrrole from pyridine homologues by azeotropic distillation with water. 2,425,220; Aug. 5.

Barber, Harry J., Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, England. Production of amidine salts. 2,425,221; Aug. 5.

Barber, Harry J., Gidea Park, Romford, assignor to May & Baker Limited, Dagenham, England. Production of amidine salts. 2,425,222; Aug. 5.

Barber, Harry J., Romford, assignor to May & Baker Limited, Dagenham, England. Production of amidine salts. 2,425,223; Aug. 5.

Bart, Siegfried G., Essex Fells, N. J. Reflector and forming same. 2,425,022; Aug. 5.

Barth, Elmer J.: *See*—
Peterson, Carl D., and Barth.

Bassford, Henry H., Jr., Cranford, N. J., assignor to U. S. Shellac Importers Association, Inc., New York, N. Y. Shellac coating compositions. 2,425,023; Aug. 5.

Bayles, Russell: *See*—
Quayle, Joshua C., Jones, and Bayles.

Bearse, Arthur E., Columbus, assignor, by mesne assignments, to The C. P. Hall Company, Akron, Ohio. Obtaining thiodigiycolic acid. 2,425,224; Aug. 5.

Bearse, Arthur E., Columbus, assignor, by mesne assignments, to The C. P. Hall Company, Akron, Ohio. Process of obtaining thiodiglycolic acid. 2,425,226; Aug. 5.

Bearse, Arthur E., and R. R. Cruse, Columbus, assignors, by mesne assignments, to The C. P. Hall Company, Akron, Ohio. Production of esters of thiodiglycolic acid. 2,425,225; Aug. 5.

Beatty, Elmer W., assignee, et al.: *See*—
Seidel, Robert.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Davey, James R.
Higgins, William H. C., and Warren.
Nyquist, Harry.
Pfleger, Kenneth W.
Potter, Ralph K.

Bendix Aviation Corporation, assignee: *See*—
Bremser, Albert T.
Harrison, Robert R.

Bennett, Claude C. and H. L., South Bend, Ind. Dynamometer. 2,425,171; Aug 5.

Bennett, Harold L.: *See*—
Bennett, Claude C. and H. L.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Self-loading device for shaker conveyors. 2,425,078; Aug. 5.

Bernau, John H., Ogden, Iowa. Endless cable mail carrier. 2,425,141; Aug. 5.

Best, Albert H.: *See*—
Bain, Joseph P., and Best.

Best, Frank A., Windsor, Ontario, Canada. Latch mechanism. 2,424,962; Aug. 5.

Beveridge, James B., Westmount, Quebec, Canada, R. D. Kehoe, Hadlyme, Conn., and A. Surino, Bronxville, assignors to Paper and Industrial Appliances, Inc., New York, N. Y. Apparatus for producing pulp from cellulosic material. 2,425,024; Aug. 5.

Billig, Kurt, London, England. Reinforced concrete shell construction and manufacture thereof. 2,425,079; Aug. 5.

Binkert, Roy E., assignee, et al.: *See*—
Fisk, Edwin M.

Blakeslee, Clinton A., assignor to The Bristol Company, Waterbury, Conn. Plural magnitude recorder. 2,425,080; Aug. 5.

Bloom, Samuel, New York, N. Y. Making shoulder pads. 2,425,227; Aug. 5.

Bloomfield, Samuel, Wichita, Kans., and R. S. Wallach, Madison, N. J.; said Wallach assignor to said Bloomfield. Lock nut. 2,425,228; Aug. 5.

Blumlein, Alan D.: *See*—
Cork, Edward C., and Blumlein.

Bohannon, William A., Uniondale, N. Y., assignor to Republic Aviation Corporation. Synchronization tester. 2,425,081; Aug. 5.

Boisselier, Earl D., Glenn Ellyn, assignor to Sears, Roebuck and Co., Chicago, Ill. Stepladder construction. 2,425,025; Aug. 5.

Bokovoy, Samuel A., Verona, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Detachable bridge unit crystal mounting. 2,424,963; Aug. 5.

Bolston, Harry M., Swampscott, Mass. Die. 2,425,082; Aug. 5.

Bowser, Virgil C., Silver Spring, Md. Ammunition positioning device for guns. 2,424,964; Aug. 5.

Bradin, Abraham: *See*—
Freedman, Samuel, and Bradin.

Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Burner with detachable generator chamber. 2,425,026; Aug. 5.

Bremser, Albert T., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection apparatus. 2,425,229; Aug. 5.

Bridgeport Brass Company, assignee: *See*—
Wunsch, Karl F., and Ferguson.

Briggs Filtration Company, The: *See*—
Greger, Herbert H., and Reimer.

Brillouin, Leon N., Madison, Wis., assignor to Federal Telephone & Radio Corporation. High-frequency amplifier and oscillator. 2,424,965; Aug. 5.

Bristol Company, The, assignee: *See*—
Blakeslee, Clinton A.

British Celanese Limited, assignee: *See*—
Jackson, Thomas, and Hill.

British Insulated Callender's Cables Limited, assignee: *See*—
Quayle, Joshua C., Jones, and Bayles.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Front feed paper guiding writing machines. 2,425,172; Aug. 5.

Brooks, William S., New York, N. Y. Combined clothes hamper and wash bowl. 2,425,083; Aug. 5.

Brubaker, John T., Luray, Va. Measuring and dispensing container. 2,425,142; Aug. 5.

Brubaker, John T., Luray, Va. Ruling pen. 2,425,143; Aug. 5.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Beta-norbornyl esters. 2,425,173; Aug. 5.

Bruson, Herman A., and G. B. Butler, assignors to Rohm & Haas Company, Philadelphia, Pa. Nitro-alcohol esters of mono-allyl maleate. 2,425,144; Aug. 5.

Buchanan, Royal S., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat breaker strip construction for spaced wall insulated cabinets. 2,425,027; Aug. 5.

Buchanan, Stephen N., Westmoreland Hills, Md., and J. O. Johnson, Teaneck, N. J., assignors, by mesne assignments, to Harvey Hubbell, Inc. Electrilal connector. 2,424,966; Aug. 5.

Budd Company, The, assignee: *See*—
Ledwinka, Joseph.
Strickland, Harold A., Jr.
Watter, Michael.

Burkhalter, Robert R.: *See*—
Peterson, Carl D., and Burkhalter.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Direction finder system. 2,424,967; Aug. 5.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Directive antenna system. 2,424,968; Aug. 5.

Butler, George B.: *See*—
Bruson, Herman A., and Butler.

California Fruit Growers Exchange, assignee: *See*—
Wilson, Clarence W.

Cann, Harley S., Columbus, assignor to The Martin Brothers Box Co., Toledo, Ohio. Compartmented collapsible fiberboard container. 2,425,230; Aug. 5.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
McNamee, Raymond W., and MacDowell.

Carmichael, Emmett S., Jackson Heights, and T. G. Roehner, Malverne, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricant composition. 2,425,174; Aug. 5.

Carpenter, Paul G., assignor to Hercules Powder Company, Wilmington, Del. Breaking petroleum emulsions. 2,425,175; Aug. 5.

Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,424,969; Aug. 5.

Carter, William R., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Frequency-matching system. 2,425,028; Aug. 5.

Casablancas High Draft Company Limited, assignee: *See*—
Noguera, Joseph.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorine derivatives of trimethyl acetonitrile. 2,425,029; Aug. 5.

Church, Joseph H., Austin, Minn., and G. J. Kessenich, Madison, Wis. Explosive projectile. 2,424,970; Aug. 5.

Cincinnati Industries, Inc., assignee: *See*—
Rowe, William W.

Clapper, Thomas W.: *See*—
Kuh, Erwin, and Clapper.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus switch. 2,425,030; Aug. 5.

Clemens, Robert F., assignor to The Dorr Company, New York, N. Y. Electrodepositing a manganese dioxide compound. 2,424,058; Aug. 5.

Coleman, Edwin J.: *See*—
Snyder, Russel D., and Coleman, and Schmitz.

Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 2,425,145; Aug. 5.

Collins, William B., assignee: *See*—
Dague, Harold F.

Combustion Control Corporation, assignee: *See*—
Thomson, Elihu C.

Comis, James L., and G. Nestos, assignors of one-third to P. Uher, Chicago, Ill. Collapsible clothing hanger. 2,425,146; Aug. 5.

Commercial Solvents Corporation, assignee: *See*—
Hickey, Richard J.
Tryon, Phillip F.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Klose, Alfred J.

Consolidated Water Power & Paper Company, assignee: *See*—
Dickerman, Gilbert R., and Riley.

Container Corporation of America, assignee: *See*—
Lowey, Roy E., and Ferguson.

Cork, Edward C., and A. D. Blumlein, deceased, Ealing, London, by D. Walker, executrix, Lescudjack, Penzance, Cornwall, assignors to Electric and Musical Industries Limited, Hayes, Middlesex, England. Variable impedance device. 2,425,084; Aug. 5.

Cottrell, C. B., & Sons Company, assignee: *See*—
Luehrs, Hans J.

Counterman, Lewis B., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge unit. 2,425,176; Aug. 5.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Mixtures of titanium dioxide and calcium-starch-metaborate as pigments (in paper and in paint). 2,425,058; Aug. 5.

Crane Packing Company, assignee: *See*—
Snyder, Russel D., and Coleman, and Schmitz.

Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine construction. 2,425,177; Aug. 5.

Cruse, Robert R.: *See*—
Bearse, Arthur E., and Cruse.

Curtiss-Wright Corporation, assignee: *See*—
Dean, George A.
Murphy, Howard, and Linse.

Cutler-Hammer, Inc., assignee: *See*—
Reeves, James B.
Swinehart, Merle R.

Dague, Harold F., South Gate, assignor of one-half to W. B. Collins, Los Angeles, Calif. Oil purifying substances and making the same. 2,425,085; Aug. 5.

D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Preparing molecularly oriented copolymers of acrylonitrile, butadiene 1,3 and a vinyl ether. 2,425,086; Aug. 5.

Dana Corporation, assignee: *See*—
Peterson, Carl D., and Barth.
Peterson, Carl D., and Burkhalter.

Danciger Oil & Refineries, Inc., assignee: *See*—
Isham, Robert M.

Danforth, Joseph D., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons in the presence of a catalyst consisting essentially of titaniagel and boron oxide. 2,425,087; Aug. 5.

Davey, James R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency-shift radio telegraph transmitting system. 2,424,971; Aug. 5.

Davis, John B., Palatka, Fla. Trocar. 2,425,277; Aug. 5.

Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Fan blade and mounting means therefor. 2,425,088; Aug. 5.

Denault, Clinton L., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,425,147; Aug. 5.

Designers for Industry, Inc., assignee: *See*—
Papay, Charles R.

De Wald, William E., Chicago, Ill. Fastening apparatus. 2,425,031; Aug. 5.

Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Enamel for resistors. 2,425,032; Aug. 5.

Diaz, Pascual M., San Antonio, Tex. Fluid drive or transmission. 2,425,089; Aug. 5.

Dickerman, Gilbert R., and R. W. Riley, assignors to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Coating paper and composition therefor. 2,425,231; Aug. 5.

Dorr Company, The, assignee: *See*—
Clemens, Robert F.
Kivari, Arthur M.

Douglas Aircraft Company, Inc., assignee: *See*—
Ward, Delvert J.

Dow Chemical Company, The, assignee: *See*—
Fletcher, Fred W., and Kenaga.

Dubin, Lester, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmitter control circuit. 2,424,972; Aug. 5.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cass, Oliver W.
Deyrup, Alden J.

Earle, Guyon, L. C., Forest Hills, N. Y., assignor, by direct and mesne assignments, to H. S. Wertz, as trustee. Food supporting rack for refrigerator drawers. 2,425,232; Aug. 5.

Edmonds, Frank W., St. Albans, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Transformer. 2,424,973; Aug. 5.

Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and McCullough.

Eitel, William W., Salt Lake City, Utah, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Method of making cathodes. 2,424,090; Aug. 5.

Electric Machinery Manufacturing Company, assignee: *See*—
Carter, William R.

Electric and Musical Industries Limited, assignee: *See*—
Cork, Edward C., and Blumlein.

Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Motor control. 2,425,178; Aug. 5.

Empire Box Corporation, assignee: *See*—
Allen, William H.

Endecott, Evelyn P., Kansas City, Mo. Shoulder pad and making same. 2,425,233; Aug. 5.

Erb, George H., South Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. 2,424,974; Aug. 5.

Ericson, Eric A., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Switch actuating mechanism. 2,425,278; Aug. 5.

Ero Manufacturing Company, assignee: *See*—
Overbey, Floyd M.

Ervin, Guy, Jr., College Park, Md., assignor to Government of the United States, as represented by the Secretary of the Interior. Process for separating potassium sulfate from alkali carbonates. 2,424,975; Aug. 5.

Erwin, Roy, University Heights, E. Troutman, Bedford, and L. W. Lindquist, Lyndhurst, assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Automatic grinding machine. 2,425,234; Aug. 5.

Euclid Road Machinery Co., The, assignee: *See*—
Armington, Raymond Q.

Evershed and Vignoles Limited, assignee: *See*—
Needham, John C.

Fagen, William F., assignor to Stewart-Warner Corporation, Chicago, Ill. Detection of toxic gases. 2,425,059; Aug. 5.

Faulkner, Alfred H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Split-phase relay. 2,425,179; Aug. 5.

Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Magnetic field measurements. 2,425,180; Aug. 5.

Federal Telephone and Radio Corporation, assignee: *See*—
Alford, Andrew.
Bancroft, Erwin P., and Jatlow.
Bokovoy, Samuel A.
Brillouin, Leon N.
Busignies, Henri G.
Dubin, Lester.
Edmonds, Frank W.
Erb, George H.
Grieg, Donald D.
Hoffman, Ross B.
Labin, Emile, and Grieg.
Miller, Arthur J., and Mueller.
Ostlund, Evert M., and Sokoloff.
Royden, George T.
Van Sant, Victor H.
Young, Norman H., Jr.

Ferguson, John E.: *See*—
Wunsch, Karl F., and Ferguson.

Ferguson, John L.: *See*—
Lowey, Roy E., and Ferguson.

Ferrante, John, assignor to Kenlea Manufacturing Company, Johnstown, N. Y. Filter. 2,425,235; Aug. 5.

Ferrante, John, assignor to Kenlea Manufacturing Company, Johnstown, N. Y. Making flocked material. 2,425,236; Aug. 5.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Pneumatic nozzle. 2,425,237; Aug. 5.

First Industrial Corporation, assignee: *See*—
Meyer, Edward P.

Fisch, Louis M., Los Angeles, Calif. Sport shirt with adjustable collar. 2,425,091; Aug. 5.

Fisher, Charles P., Boston, Mass., assignor to Sigma Instruments Incorporated. Sensitive relay. 2,425,092; Aug. 5.

Fisk, Edwin M., assignor of one-half to J. H. Reid, S. A. Larsen, and R. E. Binkert, co-partners doing business as Reid Manufacturing Company, Los Angeles, Calif. Internal-combustion engine and attachment. 2,425,181; Aug. 5.

Flakice Corporation, assignee: *See*—
Field, Crosby.

Fletcher, Fred W., and E. Kenaga, assignors to The Dow Chemical Company, Midland, Mich. Fumigant mixtures of ethylene bromide and methylene chloride. 2,425,238; Aug. 5.

Fletcher, Wendell S., South Pasadena, Calif. Clamping device. 2,425,033; Aug. 5.

Folkers, Fannie M., assignee: *See*—
Shelley, Lewis A.

Fosler, David W., Indianapolis, Ind. Ampule cutter. 2,425,093; Aug. 5.

Freedman, Samuel, and A. Bradin, Asbury Park, N. J. Nonrefillable container. 2,425,148; Aug. 5.

French, Vernon F., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Funnel for rayon spinning. 2,425,182; Aug. 5.

Friden Calculating Machine Co., Inc., assignee: *See*—
Ellerbeck, Grant C.

Fuehrer, Jacob, Moodus, Conn. Variable capacity folding box. 2,425,034; Aug. 5.

Futura, Inc., assignee: *See*—
Hale, Frank R.

Garnett, Arthur T., and E. E. Langford, London, England. Collapsible travel case. 2,425,035; Aug. 5.

Geistwhite, John M.: *See*—
Zink, William L., Hauswirth, and Geistwhite.

General Controls Co., assigne: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Jarvis, Samuel F.

George, Harry F., Chicago, Ill. Latching mechanism. 2,425,239; Aug. 5.

George, Harry F., Chicago, Ill. Steering wheel. 2,425,240; Aug. 5.

Gildebaus, Richard F., Dallas, Tex. Skylight construction. 2,425,060; Aug. 5.

Gillam, Grant, assignee: *See*—
West, Clarence.

Glidden Company, The, assignee: *See*—
Bain, Joseph P., and Best.
Hampton, Burt L.

Golay, Marcel J. E., and H. A. Zahl, Fort Monmouth, N. J., assignors to the Government of the United States of America, as represented by the Secretary of War. System for detecting sources of radiant energy. 2,424,976; Aug. 5.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,425,149; Aug. 5.

Goodman Manufacturing Company, assignee: *See*—
Bergmann, Ernst R.

Goodrich, B. F., Company, The, assignee: *See*—
Voelker, Helmut, and Wolfe.

Gorton, George, Machine Co., assignee: *See*—
Miller, Theodore.

Goss Printing Press Company, The, assignee: *See*—
Harless, Charles A.
Whitehead, William A.
Worthington, Emory W.

Greenway, Lewis M., Lansdowne, Pa. Pocketbook. 2,425,150; Aug. 5.

Greger, Herbert H., Washington, D. C. Preparing air-setting refractory mortars. 2,425,151; Aug. 5.

Greger, Herbert H., and J. J. Reimer, Washington, D. C.; said Reimer assignor to The Briggs Filtration Company, Bethesda, Md. Plastic refractory. 2,425,152; Aug. 5.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse width modulation multichannel transmitting system. 2,424,977; Aug. 5.

Griffin, Edward L., Jr., Philadelphia, Pa., assignor to United States of America, as represented by the Secretary of Agriculture. Process for obtaining rutin from buckwheat. 2,425,094; Aug. 5.

Hale, Frank R., Paterson, N. J., assignor to Futura, Inc. Salt-and-pepper shaker. 2,424,978; Aug. 5.

Haley, Arthur W.: *See*—
Anderson, William B., Haley and Kelly.

Hall, C. P., Company, The, assignee: *See*—
Bearse, Arthur E.
Bearse, Arthur E., and Cruse.

Hall, Leo C., Cincinnati, Ohio. Controller system for electric welding apparatus. 2,425,183; Aug. 5.

Hampton, Burt L., Jacksonville, Fla., assignor, by mesne assignments, to The Glidden Company, Cleveland, Ohio. Polymerization of rosin. 2,424,979; Aug. 5.

Handler, Henry, Aberdeen, Md. Bogie coupler. 2,424,980; Aug. 5.

Harless, Charles A., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,425,184; Aug. 5.

Harris, Cuthbert N.: *See*—
Kahn, Alfred, and Harris.

Harris, Richard G., Knoxville, Tenn. Field tent. 2,425,279; Aug. 5.

Harrison, Bertram M., Wellesley Hills, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Signaling system. 2,424,981; Aug. 5.

Harrison, Robert R., Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Tube clamp. 2,425,153; Aug. 5.

Hart, Harry J., Baldwin Township, Allegheny County, Pa. Noise eliminator for telephone transmitters. 2,425,061; Aug. 5.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Richards, Claude L.

Haury, Vernon E., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Insecticidal composition. 2,425,185; Aug. 5.

Hauswirth, Vernon O.: *See*—
Zink, William L., Hauswirth, and Geisthwhite.

Hawkins, Reginald R., Tuckahoe, N. Y. Garment hanger. 2,425,241; Aug. 5.

Hazeltine Research, Inc., assignee: *See*—
Larson, Gilbert C.

Healy, Joseph F., Jr.: *See*—
Hubbell, Harvey, and Healy.

Henkel, Ferdinand J., Royal Oak, assignor to Lamina Dies and Tools, Inc., Berkley, Mich. Grinding wheel dresser. 2,425,095; Aug. 5.

Hennessy, James J., Montclair, N. J. Lubricant distributor. 2,425,186; Aug. 5.

Hercules Powder Company, assignee: *See*—
Carpenter, Paul G.
Counterman, Lewis B.

Herrick, Roswell H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Intercommunicating system. 2,425,187; Aug. 5.

Herring, John B., Covington, Ky. Toolholder. 2,425,242; Aug. 5.

Hersch-Razel Research Foundation, The, assignee: *See*—
Strickler, Albert.

Hibbard, Frank K., Detroit, Mich. Artificial hand and control mechanism. 2,425,154; Aug. 5.

Hickey, Richard J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of riboflavin by butyl alcohol producing bacteria. 2,425,280; Aug. 5.

Higgins, William H. C., West Orange, and C. A. Warren, Watchung, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional radio antenna lobe switching system. 2,424,982; Aug. 5.

Hill, Frank B.: *See*—
Jackson, Thomas, and Hill.

Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Production of thiocyanates. 2,424,983; Aug. 5.

Hills Bros. Coffee, Inc., assignee: *See*—
Mulvany, Harry A.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Lubrication of machine tools. 2,425,281; Aug. 5.

Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Distance and direction radio object detection. 2,424,984; Aug. 5.

Hofmann, Corris M.: *See*—
Long, Robert S., and Hofmann.

Holmes, Henry H., and A. H. Widdowson, assignors to Wildt and Company Limited, Leicester, England. Circular latch needle knitting machine. 2,425,243; Aug. 5.

Honigman, Hans, East Cleveland, Ohio. Motion transmitting means and adjustment thereof. 2,425,188; Aug. 5.

Houdry Process Corporation, assignee: *See*—
Newton, Roger H.

Howard, Dana C., Springfield, Mass. Body armor. 2,424,985; Aug. 5.

Howe, Harold, Rowayton, Conn. Firetray assembly support. 2,425,036; Aug. 5.

Hubbell, Harvey, Long Hill, and J. F. Healy, Jr., Bridgeport, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Multiunit wiring receptacle. 2,424,986; Aug. 5.

Hubbell, Harvey, Inc., assignee: *See*—
Buchanan, Stephen N., and Johnson.

Hubbell, Harvey, Incorporated, assignee: *See*—
Hubbell, Harvey, and Healy.

Huebsch Manufacturing Company, assignee: *See*—
Watson, Thomas S.

Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S.

Industrial Gloves Company, assignee, et al.: *See*—
Seidel, Robert.

Industrial Rayon Corporation, assignee: *See*—
Torrence, George P.

Industrial Tape Corporation, assignee: *See*—
Morris, Vlon N.

Interior, Government of the United States, as represented by the Secretary of the, assignee: *See*—
Ervin, Guy, Jr.

Ipatieff, Vladimir N., and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Process for the production of trialkyl benzene. 2,425,096; Aug. 5.

Isham, Robert M., Okmulgee, Okla., assignor to Danciger Oil & Refineries, Inc., Fort Worth, Tex. Concentration of acetylene. 2,424,987; Aug. 5.

Isom, Elbert C., Garden City, N. Y. Navigational computer. 2,425,097; Aug. 5.

Jackson, Thomas, and F. B. Hill, Spondon, near Derby, assignors to British Celanese Limited, London, England. Fluid treating apparatus for yarns. 2,425,037; Aug. 5.

Jarvis, Samuel F., Schenectady, N. Y., assignor to General Electric Company. Coil support. 2,425,155; Aug. 5.

Jatlow, Jacob L.: *See*—
Bancroft, Erwin, P., and Jatlow.

Jeffries, Hugh, Santa Monica, Calif. Sliding abutment unit for rotary displacement pumps or motors. 2,425,244; Aug. 5.

Johnson, Conrad B., Eau Claire, Wis. Cushion grip for air hammers and the like. 2,425,245; Aug. 5.

Johnson, James O.: *See*—
Buchanan, Stephen N., and Johnson.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Combination pipe anchor and branch pipe T. 2,425,189; Aug. 5.

Johnson, Ralph L., Brockton, Mass. Ink pad for stencil duplicators. 2,424,988; Aug. 5.

Johnson, Vincent A., Evanston, and F. E. Wood, Oak Park, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic relay. 2,425,190; Aug. 5.

Johnson, Warren C., Cedar Rapids, Iowa, assignor, by mesne assignments, to Quaker Oats Company. Container sealing apparatus. 2,425,062; Aug. 5.

Jones, Peter: *See*—
Quayle, Joshua C., Jones, and Bayles.

Joy Manufacturing Company, assignee: *See*—
Mavor, John B.
Paget, Win W.

Kahn, Alfred, Queen's Village, N. Y., and C. N. Harris, Trenton, N. J., assignors to Radio Corporation of America. Telegraphic keying bias adjuster. 2,425,063; Aug. 5.

Kaiser, Donald W.: *See*—
Thurston, Jack T., and Kaiser.

Kalvin, Louis, New York, N. Y. Stabilized castering wheel device. 2,425,246; Aug. 5.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion process. 2,425,098; Aug. 5.

Kehoe, Richard D.: *See*—
Beveridge, James B., Kehoe, and Surino.

Kelly, Anthony H.: *See*—
Anderson, William B., Haley, and Kelly.

Kelly, Hartleigh, Tennyson, South Australia, Australia. Smocking apparatus. 2,425,247; Aug. 5.

Kenaga, Eugene: *See*—
Fletcher, Fred W., and Kenaga.

Kenlea Manufacturing Company, assignee: *See*—
Ferrante, John.

Kerlow Steel Flooring Company, assignee: *See*—
Tarof, Ernest L.

Kessenich, Gregory J.: *See*—
Church, Joseph H., and Kessenich.

Kirk, Douglas, Chicago, Ill., assignor, by mesne assignments, to Quaker Oats Company. Carton sealing apparatus. 2,425,064; Aug. 5.

Kivari, Arthur M., Los Angeles, Calif., assignor to The Dorr Company, New York, N. Y. Separating flocculatable and gritty solids from liquids. 2,425,065; Aug. 5.

Klose, Alfred J., Rolling Hills, Calif., assignor to Consolidated Vultee Aircraft Corporation. Aircraft wing connection. 2,425,099; Aug. 5.

Knight, Lloyd O., Clarendon, Pa. Internal-combustion engine. 2,425,156; Aug. 5.

Koepfer, Aelred A., Dayton, Ohio. Aerial photographic image motion compensating system. 2,424,989; Aug. 5.

Koppers Company, Inc., assignee: *See*—
Hill, William H.

Krim, Norman B., Newton Highlands, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Protective device for tube envelopes. 2,424,990; Aug. 5.

Kropa, Edward L., Fairfield, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerization of acrylates, methacrylates alone or in mixtures, and products thereof. 2,425,191; Aug. 5.

Kropa, Edward L., Fairfield, Conn., assignor to American Cyanamid Company, New York, N. Y. Polymerization of vinyl acetate alone or in mixtures and products thereof. 2,425,192; Aug. 5.

Kuh, Erwin, New Brunswick, and T. W. Clapper, Martinsville, N. J., assignors to American Cyanamid Company, New York, N. Y. Production of 2-aminopyrimidine. 2,425,248; Aug. 5.

Kulka, Thomas S., Cleveland, Ohio. Film protector. 2,425,100; Aug. 5.

Kuntz, Elmer A., Milwaukee, Wis. Sectional grate. 2,425,101; Aug. 5.

Labin, Emile, New York, and Donald D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulsed multiplex system employing different width and repetition frequencies for each channel. 2,425,066; Aug. 5.

Lacy-Hulbert, Denis, Wiltshire, England. Article-controlled marking means. 2,425,249; Aug. 5.

Lamb, Anthony H., Hillside, N. J., assignor to Western Electrical Instrument Corporation, Newark, N. J. Encased electrical device. 2,425,250; Aug. 5.

Lamina Dies and Tools, Inc., assignee: *See*—
Henkel, Ferdinand J.

Landau, Miles E., Brooklyn, N. Y. Liquid applicator. 2,425,251; Aug. 5.

Landroche, Henry A., Spencer, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,424,991; Aug. 5.

Langford, Ernest E.: *See*—
Garnett, Arthur T., and Langford.

Larsen, Steiner A., assignee, et al.: *See*—
Fisk, Edwin M.

Larson, Gilbert C., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Radiant-energy receiver. 2,425,102; Aug. 5.

Larson, John D., Broken Bow, Nebr. Boat trailer. 2,425,252; Aug. 5.

Lear, Incorporated, assignee: *See*—
Lear, William P.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Safety switch device. 2,425,038; Aug. 5.

Ledwinka, Joseph, assignor to The Budd Company, Philadelphia, Pa. Railway truck frame. 2,425,282; Aug. 5.

Lee Foundation for Nutritional Research, assignee: *See*—
Lee, Royal.

Lee, Royal, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Making a phosphoric acid composition. 2,424,992; Aug. 5.

Lehr, Paul E., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Well control system. 2,425,193; Aug. 5.

Lendle, Carl R., Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment steamer. 2,425,194; Aug. 5.

Lenthall, Robert, assignor to The Scholl Manufacturing Company, Limited, London, England. Collapsible or folding perambulator, cot, and other articles. 2,425,195; Aug. 5.

Lindquist, Leon W.: *See*—
Erwin, Roy, Troutman, and Lindquist.

Linn, Carl B.: *See*—
Ipatieff, Vladimir N., and Linn.

Linse, Robert E.: *See*—
Murphy, Howard, and Linse.

Little, Paul C., Hoboken, N. J., and M. W. Sparrow, Brooklyn, N. Y. Child's stroller. 2,425,253; Aug. 5.

Llovera, Federico, Barcelona, Spain. Automatic shuttle change mechanism for looms. 2,425,103; Aug. 5.

Locke Insulator Corporation, assignee: *See*—
Skipper, Edward M.

Long, Robert S., Somerville, and C. M. Hofmann, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of allylglycine. 2,425,283; Aug. 5.

Lopes, Manuel A., Vallejo, Calif. Collapsible stool. 2,425,196; Aug. 5.

Lowey, Roy E., Evanston, and J. L. Ferguson, Joliet, assignors to Container Corporation of America, Chicago, Ill. Apparatus for sealing containers. 2,425,067; Aug. 5.

Luce, Richard W., Southport, Conn. Threaded locking device and making same. 2,425,104; Aug. 5.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet cutting and creasing press. 2,425,039; Aug. 5.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet cutting and creasing press. 2,425,040; Aug. 5.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet cutting and creasing press. 2,425,041; Aug. 5.

Mabon, Carl R., Niagara Falls, N. Y., assignor to Moore Business Forms, Inc. Decollator for manifolding assemblies. 2,425,105; Aug. 5.

MacDowell, Louis G.: *See*—
McNamee, Raymond W., and MacDowell.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Automatic foul line keeper. 2,425,254; Aug. 5.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Photoelectric control for game devices. 2,425,255; Aug. 5.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Automatic foul line keeper. 2,425,256; Aug. 5.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Automatic foul line keeper. 2,425,257; Aug. 5.

MacLagan, James A., Forest Park, and T. A. Walsh, Chicago, Ill., assignors to Pioneer Trust & Savings Bank of Chicago, as trustee. Photoelectric control for game devices. 2,425,258; Aug. 5.

Madsen, Nils, San Pedro, Calif. Method of sharpening lawn mowers. 2,425,106; Aug. 5.

Mahan, John E.: *See*—
Schulze, Walter A., and Mahan.

Malden Form Brassiere Company, Inc., assignor: *See*—
Coleman, Joseph A.

Mallard, Logan L., Norfolk, Va. Charging gas-expansion chambers of ice molds. 2,425,259; Aug. 5.

Mallory, Marion, Detroit, Mich. Two-cycle internal-combustion engine. 2,425,157; Aug. 5.

Manitowoc Shipbuilding Company, assignee: *See*—
West, John D.

Markem Machine Company, assignee: *See*—
Robbins, Charles F.

Martin Brothers Box Co., The, assignee: *See*—
Cann, Harley S.

Martin, George, New Hyde Park, N. Y. Wheeled mobile container apparatus. 2,425,107; Aug. 5.

Masich, Anthony M., Winston-Salem, N. C. Adjustable guide for conveyer systems. 2,425,158; Aug. 5.

Mavor, John B., Glasgow, Scotland, assignor to Joy Manufacturing Company, Franklin, Pa. Mining machine. 2,425,108; Aug. 5.

May & Baker Limited, assignee: *See*—
Barber, Harry J.

Mayer, John L., Kansas City, Mo. Refuse bag holder. 2,425,260; Aug. 5.

McCann, Ronald A., Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch and signal control and interlocking apparatus. 2,425,109; Aug. 5.

McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.

McCurdy, Howard, Walnut Park, Calif. Means including a helical ramp for centrifugally separating solids from liquids. 2,425,110; Aug. 5.

McIntosh, Maurice D., Cleveland Heights, assignor to Louis S. Sanders, Shaker Heights, Ohio. Drawing medium and making the same. 2,425,068; Aug. 5.

McNamee, Raymond W., South Charleston, W. Va., and L. G. MacDowell, Lakeland, Fla., assignors to Carbide and Carbon Chemicals Corporation. Glycol diethers. 2,425,042; Aug. 5.

McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Emergency release for electric switch locks. 2,425,111; Aug. 5.

Meacham, Lotta A., Laguna Beach, Calif. Platen scale for typewriters. 2,425,112; Aug. 5.

Meister, Leo, Irvington, N. J. Sealing flash holes of primers. 2,424,993; Aug. 5.

Meter Recorder Company, assignee: *See*—
Pearson, William J.

Metzler, Phares H., Seattle, Wash. Slip-sinker. 2,425,069; Aug. 5.

Meyer, Edward P., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Electric snap switch. 2,425,159; Aug. 5.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Vitamin A acid and its esters and method of making them. 2,424,994; Aug. 5.

Millard, Irwin W., assignee: *See*—
Seidel, Robert.

Miller, Arthur J., Newark, and O. J. Mueller, Rutherford, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Selenium element and method. 2,424,995; Aug. 5.

Miller, Theodore, assignor to George Gorton Machine Co., Racine,, Wis. Production of electric arc etching electrodes. 2,425,113; Aug. 5.

Minnesota Linseed Oil Paint Company, assignee: *See*—
Parkin, Fremont P., and Walker.

Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Shaffer, Alfred E.

Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.

Monsanto Chemical Company, assignee: *See*—
Seymour, Raymond B., and Mowry.

Montague, Henrietta R., Hays, Kans. Name selector. 2,425,197; Aug. 5.

Moore Business Forms, Inc., assignee: *See*—
Mabon, Carl R.

Moore, David P., Forest Hills, N. Y., assignor to Premium Merchandising Corporation. Fountain pen. 2,425,198; Aug. 5.

Moore, George A., New York, N. Y. Container. 2,425,043; Aug. 5.

Morris, Vlon N., Highland Park, assignor to Industrial Tape Corporation, North Brunswick, N. J. Pressure-sensitive adhesive tapes. 2,424,996; Aug. 5.

Morse, Thomas M.: *See*—
Petty, John M., and Morse.

Motiograph, assignee: *See*—
Wienke, Emil J.

Mowry, David T.: *See*—
Seymour, Raymond B., and Mowry.

Mueller, Otto J.: *See*—
Miller, Arthur J., and Mueller.

Mulvany, Harry A., Berkeley, assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Electric solder-applying machine. 2,425,114; Aug. 5.

Mulvany, Harry A., Berkeley, assignor to Hills Bros. Coffee, Inc., San Francisco, Calif. Electric soldering machine. 2,425,115; Aug. 5.

Murphy, Howard, Glen Ridge, and R. E. Linse, Troy Hills, N. J., assignors to Curtiss-Wright Corporation. Variable pitch propeller. 2,425,261; Aug. 5.

Musselman, Alvin J., Hudson, Ohio. External contracting band brake. 2,425,116; Aug. 5.

Nagy, Daniel E.: *See*—
Thurston, Jack T., and Nagy.

National Carbon Company, Inc., assignee: *See*—
Ramadanoff, Dimiter.

National Malleable and Steel Castings Company, assignee: *See*—
Erwin, Roy, Troutman and Lindquist.

National Union Radio Corporation, assignee: *See*—
Schafer, Elwood W.

Navon, Haimi, Brooklyn, N. Y. Egg cooker. 2,425,199; Aug. 5.

Needham, John C., London, England, assignor to Evershed and Vignoles Limited. Electrical follow-up system. 2,425,160; Aug. 5.

Nessler, Floyd G., Rocky River, and C. E. Penoyer, Garfield Heights, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Modifying drying oils. 2,425,200; Aug. 5.

Nestos, George: *See*—
Comis, James L., and Nestos.

Newsom, Kitchener K., San Francisco, Calif. Food process. 2,425,117; Aug. 5.

Newton, John E., Oklahoma City, Okla. Locking device. 2,425,262; Aug. 5.

Newton, Roger H., Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of aviation gasoline. 2,424,997; Aug. 5.

Niagara Searchlight Company, Inc., assignee: *See*—
Wohler, Charles E., and Sherwood.

Nicolette, Arthur P., Albany, Calif. Air eliminator. 2,425,070; Aug. 5.

Niver, Joseph, Ossining, N. Y. Article of furniture. 2,425,263; Aug. 5.

Noguera, Joseph, assignor to Casablancas High Draft Company Limited, Manchester, England. Weighting motions for the drafting rollers of preparatory and spinning machines. 2,425,264; Aug. 5.

Noyes, Stanley E., Los Angeles, Calif. Dental impression composition. 2,425,118; Aug. 5.

Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission system. 2,424,998; Aug. 5.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Power take-off. 2,425,044; Aug. 5.

Oil Devices, assignee: *See*—
Breese, James L.

Opitz, Fred W., Chicago, Ill. Liquid dispensing valve. 2,425,161; Aug. 5.

Oroshnik, William, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation. Producing ethynyl carbinols. 2,425,201; Aug. 5.

Ortho Pharmaceutical Corporation, assignee: *See*—
Oroshnik, William.

Ostlund, Evert M., Montclair, N. J., and P. W. Sokoloff, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Pulse generating system. 2,424,999; Aug. 5.

Overbey, Floyd M., assignor to Ero Manufacturing Company, Chicago, Ill. Collapsible table leg hinge and latch structure. 2,425,162; Aug. 5.

Ozinga, Peter K., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Apparatus for completing wells. 2,425,202; Aug. 5.

Page, Herbert E., Pasadena, Calif. Remote control apparatus for hydraulic system. 2,425,071; Aug. 5.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Apparatus for automatically controlling pressure and temperature within aircraft cabins. 2,425,000; Aug. 5.

Papay, Charles R., Rocky River, assignor to Designers for Industry, Inc., Cleveland, Ohio. Cooling unit. 2,425,119; Aug. 5.

Paper and Industrial Appliances, Inc., assignee: *See*—
Beveridge, James B., Kehoe, and Surino.

Parkin, Fremont P., and G. N. Walker, assignors to Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Winterizing vegetable oils. 2,425,001; Aug. 5.

Parry, Frank, and B. P. Pinkvoss, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Overload release clutch for sewing machine. 2,425,120; Aug. 5.

Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Oriented polysulfide polymers. 2,425,045; Aug. 5.

Pearson, William J., Los Angeles, Calif., assignor to Meter Recorder Company, Carson City, Nev. Meter recorder and cost computer. 2,425,072; Aug. 5.

Penoyer, Charles E.: *See*—
Nessler, Floyed G., and Penoyer.

Peterson, Adolphe C., Minneapolis, Minn. Combustion jet propulsioned means. 2,425,121; Aug. 5.

Peterson, Carl D., deceased, and R. R. Burkhalter; M. F. Peterson, executrix, assignors to Dana Corporation, Toledo, Ohio. Synchronizing clutch. 2,425,203; Aug. 5.

Peterson, Carl D., deceased, and E. J. Barth; M. F. Peterson, executrix, assignors to Dana Corporation, Toledo, Ohio. Gear shifting mechanism. 2,425,204; Aug. 5.

Peterson, Marion F., executrix: *See*—
Peterson, Carl D., and Barth.
Peterson, Carl D., and Burkhalter.

Petty, John M., Berkeley, Calif., and T. M. Morse, Carlinville, Ill. Photographic code recording and reproducing device. 2,425,122; Aug. 5.

Pfieger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical apparatus. 2,425,002; Aug. 5.

Philco Corporation, assignee: *See*—
Sunstein, David E.

Phillips Petroleum Company, assignee: *See*—
Schulze, Walter A., and Mahan.

Pinkvoss, Berthold P.: *See*—
Parry, Frank, and Pinkvoss.

Pioneer Trust & Savings Bank of Chicago, assignee: *See*—
MacLagan, James A., and Walsh.

Pittman, Ralph R., Pine Bluff, Ark. Pole-type conductor support. 2,425,265; Aug. 5.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Analysis and representation of complex waves. 2,425,003; Aug. 5.

Premium Merchandising Corporation, assignee: *See*—
Moore, David P.

Pro-phy-lac-tic Brush Company, assignee: *See*—
D'Alelio, Gaetano F.

Quaker Oats Company, assignee: *See*—
Johnson, Warren C.
Kirk, Douglas.

Quayle, Joshua C., Helsby, P. Jones, Kelsall, near Chester, and R. Bayles, Helsby, assignors, by mesne assignments, to British Insulated Callender's Cables Limited, London, England. Slitting of insulating material. 2,425,123; Aug. 5.

Rabell, William H., Fitchburg, Mass. Method of and machine for making tampons. 2,425,004; Aug. 5.

Radio Corporation of America, assignee: *See*—
Kahn, Alfred, and Harris.
Snyder, Richard L., Jr.
Usselman, George L.
Young, Charles J.

Ramadanoff, Dimiter, Cleveland, Ohio, assignor to National Carbon Company, Inc. Electrical contact brush 2,425,046; Aug. 25.

Ray, William A., Glendale, Calif., assignor to General Controls Co. Automatic counter system. 2,425,124; Aug. 5.

Raynolds, Reginald M., Summit, N. J. Loose-leaf binder. 2,425,205; Aug. 5.

Raytheon Manufacturing Company, assignee: *See*—
Krim, Norman B.

Rechel, Ernest R., Huntingdon Valley, Pa. Method of making incendiary bullets. 2,425,005; Aug. 5.

Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Frequency responsive control system. 2,425,047; Aug. 5.

Reid, James H., assignee, et al.: *See*—
Fisk, Edwin M.

Reid Manufacturing Company, assignee: *See*—
Fisk, Edwin M.

Reimer, John J.: *See*—
Greger, Herbert H., and Reimer.

Reiwald, Gustav G., San Antonio, Tex. Lift wire guide for water closet flush valves. 2,425,163; Aug. 5.

Republic Aviation Corporation, assignee: *See*—
Bohannon, William A.

Research Corporation, assignee: *See*—
Milas, Nicholas A.

Resinous Products & Chemical Company, The, assignee: *See*—
Bruson, Herman A.

Richards, Claude L., Little Haldon, Newdigate, Surrey, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube with magnetic compensating means. 2,425,125; Aug. 5.

Riley, Robert W.: *See*—
Dickerman, Gilbert R., and Riley.

Ripley, James H., San Francisco, Calif. Inflatable safety shirt. 2,425,206; Aug. 5.

Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking wire. 2,425,266; Aug. 5.

Roehner, Theodore G.: *See*—
Carmichael, Emmett S., and Roehner.

Röhm & Haas Company, assignee: *See*—
Bruson, Herman A., and Butler.

Rosen, Leo, U. S. Army, Arlington County, Va. Cryptographic machine. 2,425,006; Aug. 5.

Rouse, John H., Los Angeles, Calif. Motor control means. 2,425,007; Aug. 5.

Rowe, William W., Cincinnati, Ohio, assignor to Cincinnati Industries, Inc. Creping corrugated papers. 2,425,207; Aug. 5.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio navigational apparatus. 2,425,008; Aug. 5.

Sanders, Louis S.: *See*—
McIntosh, Maurice D.

Scalera, Mario, Somerville, and Hugh Wendell Stewart, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Dibenzoylamino dianthrimide carbazole dyestuffs. 2,425,126; Aug. 25.

Schafer, Elwood W., Millburn, assignor to National Union Radio Corporation, Newark, N. J. Appartus for assembly of mounts. 2,425,127; Aug. 5.

Schlesinger, Milton, Jamaica, N. Y. Adjustable form for making dental models. 2,425,048; Aug. 5.

Schmidt, Eugen, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Disconnectable means of attachment for the covers of hollow bodies. 2,425,128; Aug. 5.

Schmitz, Carl E.: *See*—
Snyder, Russel D., Coleman, and Schmitz.

Scholl Manufacturing Company, Limited, The, assignee: *See*—
Lenthall, Robert.

Schrameck, Jack E.: *See*—
Wilcox, Howard M., Schrameck, and Webb.

Schulze, Walter A., and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacturing acrylonitrile from acetylene and HCN. 2,425,267; Aug. 25.

Sears, Roebuck and Co., assignee: *See*—
Boisselier, Earl D.
Zink, William L., Hauswirth, and Geistwhite.

Seidel, Robert, assignor to Irwin W. Millard and E. W. Beatty, copartners, doing business under the firm name of Industrial Gloves Company, Danville, Ill. Glove and palm therefor. 2,425,129; Aug. 5.

Sensel, Eugene E., Beacon, assignor to The Texas Company, New York, N. Y. Isomerization of normal paraffins. 2,425,268; Aug. 5.

Seymour, Raymond B., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Dichlorobenzalacetone. 2,425,269; Aug. 5.

Shaffer, Alfred E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe-boot. 2,425,208; Aug. 5.

Sharma, Jagan N., West Los Angeles, Calif. Coloring whole citrus fruits. 2,425,073; Aug. 5.

Shell Development Company, assignee: *See*—
Fay, Charles H.
Haury, Vernon E.
Lehr, Paul E.
Ozinga, Peter K.

Shelley, Lewis A., assignor of one-half to F. M. Folkers, Portland, Oreg. Telescope sight mount. 2,425,130; Aug. 5.

Shepherd, James E., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase-sensitive detector. 2,425,009; Aug. 5.

Sheridan, Terence, Hamiota, Manitoba, Canada. Combination plant stake and lock. 2,425,049; Aug. 5.

Sherwin-Williams Company, The, assignee: *See*—
Nessler, Floyd G., and Penoyer.

Sherwood, Lewis G.: *See*—
Wohler, Charles E., and Sherwood.

Sigma Instruments, Incorporated, assignee: *See*—
Fisher, Charles P.

Singer Manufacturing Company, The, assignee: *See*—
Parry, Frank, and Pinkvoss.

Skenandoa Rayon Corporation, assignee: *See*—
French, Vernon F.

Skipper, Edward M., assignor to Locke Insulator Corporation, Baltimore, Md. Method and apparatus for forming blanks for post and pedestal insulators. 2,425,270; Aug. 5.

Smith, Henry R., Dayton, Ohio, assignor to The United States of America, as represented by the Secretary of War. Coaxial switch. 2,425,010; Aug. 5.

Smith, James H., Vallejo, Calif. Mirror protective coating. 2,425,011; Aug. 5.

Smith, Sam, Durham, N. H. Method of making open heel shoes. 2,425,050; Aug. 5.

Snyder Oil Tool Corporation, assignee: *See*—
Snyder, Robert E.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Electronic computing circuit. 2,425,131; Aug. 5.

Snyder, Robert E., Pasadena, Calif., assignor to Snyder Oil Tool Corporation. Impact drill. 2,425,012; Aug. 5.

Snyder, Russel D., E. J. Coleman, and C. E. Schmitz, Chicago, assignor to Crane Packing Company, Chicago, Ill. Seat for mechanical seals. 2,425,209; Aug. 5.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Carmichael, Emmett S., and Roehner.

Sokoloff, Paul W.: *See*—
Ostlund, Evert M., and Sokoloff.

Sparrow, Marvin W.: *See*—
Little, Paul C.

Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.

Spence, Paulsen, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y. Valve. 2,425,284; Aug. 5.

Sperry Gyroscope Company, Inc., assignee: *See*—
Shepherd, James E.
Stotz, Carl C.

Standard Oil Company, assignee: *See*—
Waugh, Richard C.

Steinitz, Otto, New York, N. Y. Creeping toy. 2,425,051; Aug. 5.

Stewart, Hugh W.: *See*—
Scalera, Mario, and Stewart.

Stewart-Warner Corporation, assignee: *See*—
Fagen, William F.

Stokes, John S., Huntington Valley, assignor to Stokes and Smith Company, Philadelphia, Pa. Box wrapping system. 2,425,210; Aug. 5.

Stokes and Smith Company, assignee: *See*—
Stokes, John S.

Stokes, Stanley A., Pasadena, Calif. Bit. 2,425,132; Aug. 5.

Stotz, Carl C., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Frequency control system. 2,425,013; Aug. 5.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Power factor indicating apparatus. 2,425,133; Aug. 5.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Separating magnetic iron oxide scale from an iron-containing metal. 2,425,134; Aug. 5.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Rotary seal. 2,425,211; Aug. 5.

Strickler, Albert, assignor to The Hersch-Razel Research Foundation, Philadelphia, Pa. Activated iodine therapeutic agent. 2,425,285; Aug. 5.

Stromberg, Eleroy L., U. S. Navy. Depth perception apparatus with means for dropping target elements at different distances from the observer. 2,425,014; Aug. 5.

Strumor, Mathew A., Brooklyn, N. Y. Musical and animated toy pipe. 2,425,212; Aug. 5.

Submarine Signal Company, assignee: *See*—
Harrison, Bertram M.

Suiter, Harold G., Baltimore, Md. Article carrier. 2,425,135; Aug. 5.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Schmidt, Eugen.

Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Magnetic wire telegraphophone system. 2,425,213; Aug. 5.

Surino, Alphonse: *See*—
Beveridge, James B., Kehoe, and Surino.

Swinehart, Merle R., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical contact materials and contacts and making the same. 2,425,052; Aug. 5.

Swinehart, Merle R., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Silver-backed nonwelding contacts and making the same. 2,425,053; Aug. 5.

Tandler, William S., New York, N. Y. Cooking stove. 2,425,271; Aug. 5.

Tarof, Ernest L., Cupsaw Lake, assignor to Kerlow Steel Flooring Company, Jersey City, N. J. Grating. 2,425,054; Aug. 5.

Taylor, Brice W., Oklahoma City, Okla. Steering wheel device. 2,425,055; Aug. 5.

Texas Company, The, assignee: *See*—
Sensel, Eugene E.

Thiokol Corporation, assignee: *See*—
Patrick, Joseph C.

Thompson Products, Inc., assignee: *See*—
Venditty, Anthony.

Thomson, Elihu C., Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Temperature compensated switch. 2,425,164; Aug. 5.

Thurston, Jack T., Cos Cob, and D. W. Kaiser, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Azo guanamines. 2,425,286; Aug. 5.

Thurston, Jack T., Riverside, and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Aryl carboxyguanamines. 2,425,287; Aug. 5.

Torrence, George P., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread advancing reel. 2,425,136; Aug. 5.

Troiel, Arthur E., Berkeley, Calif. Core form for casting concrete tubes. 2,425,137; Aug. 5.

Troutman, Edwin: *See*—
Erwin, Roy, Troutman, and Lindquist.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Ericson, Eric A.

Tyron, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Plasticized butadiene polymer composition containing phthalimidoalkyl alkanoates. 2,425,288; Aug. 5.

Turbeville, Clarence S.: *See*—
Walker, Isaac J., Wham, and Turbeville.

Uber, Paul, assignee: *See*—
Comis, James L., and Nestos.

Union Asbestos & Rubber Company, assignee: *See*—
O'Connor, Arthur F.

Union Switch & Signal Company, The, assignee: *See*—
McCann, Ronald A.
McWhirter, William C.

United Aircraft Corporation, assignee: *See*—
Cronstedt, Val.

United Shoe Machinery Corporation, assignee: *See*—
Landroche, Henry A.

United States Hoffman Machinery Company, assignee: *See*—
Lendle, Carl R.

U. S. Shellac Importers Association, Inc., assignee: *See*—
Bassford, Henry H., Jr.

Universal Oil Products Company, assignee: *See*—
Danforth, Joseph D.
Ipatieff, Vladimir N., and Linn.
Kassel, Louis S.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Stabilized harmonic oscillator. 2,425,165; Aug. 5.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.

Van Sant, Victor H., Westfield, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Grid winding machine. 2,425,015; Aug. 5.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Rubber bushed tie rod joint. 2,425,138; Aug. 5.

Voelker, Helmut, Silvertown, Ga., and W. H. Wolfe, Lancaster, S. C., assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for spraying beamed yarns. 2,425,214; Aug. 5.

Vokes, Cecil G., London, assignor to Vokes Limited, Guilford, Surrey, England. Filter. 2,425,139; Aug. 5.

Vokes Limited, assignee: *See*—
Vokes, Cecil G.

Walker, Doreen, executrix: *See*—
Cork, Edward C., and Blumlein.

Walker, George N.: *See*—
Parkin, Fremont P., and Walker.

Walker, Isaac J., R. E. Wham, and C. S. Turbeville, Gainesville, Tex. Fishing lure. 2,425,272; Aug. 5.

Wallach, Robert S.: *See*—
Bloomfield, Samuel, and Wallach.

Walsh, Thaddeus A.: *See*—
MacLagan, James A., and Walsh.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Golay, Marcel J. E., and Zahl.
Smith, Henry R.

Ward, Delbert J., Sherman Oaks, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Tachometer calibrator. 2,425,289; Aug. 5.

Warren, Clifford A.: *See*—
Higgins, William H. C., and Warren.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Apparatus for testing aircraft. 2,425,273; Aug. 5.

Watson, Thomas S., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Forming rubber bags. 2,425,166; Aug. 5.

Waugh, Richard E., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion with Friedel-Crafts type catalyst. 2,425,074; Aug. 5.

Weaver, Edgar R., Dayton, Ohio. Hangar door operating mechanism. 2,425,016; Aug. 5.

Webb, Herbert J.: *See*—
Wilcox, Howard M., Schrameck and Webb.

Wentz, Ralph R., Brooklyn, N. Y. Attachment of hair springs to arbors. 2,425,017; Aug. 5.

Wertz, Hugh S., assignee, trustee: *See*—
Earle, Guyon, L. C.

West, Clarence, Oak Park, assignor of one-half to Grant Gillam, Chicago, Ill. Linoleum paste spreader. 2,425,215; Aug. 5.

West, John D., assignor to Manitowoc Shipbuilding Company, Manitowoc, Wis. Conformator gauge. 2,425,216; Aug. 5.

Western Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.

Western Union Telegraph Company, The, assignee: *See*—
Wise, Raleigh J.

Westinghouse Electric Corporation, assignee: *See*—
Anderson, William B., Haley, and Kelly.
Buchanan, Royal S.
Clark, Earl K.
Denault, Clinton L.
Wilcox, Howard M., Schrameck, and Webb.

Wham, Ralph E.: *See*—
Walker, Isaac J., Wham, and Turbeville.

Wharton, George C., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Machine for finishing the handles of shovels. 2,425,290; Aug. 5.

Whitehead, William A., Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press. 2,425,167; Aug. 5.

Widdowson, Albert H.: *See*—
Holmes, Henry H., and Widdowson.

Wienke, Emil J., Glen Ellyn, assignor to Motiograph, Chicago, Ill. Film track and aperture unit for projectors. 2,425,217; Aug. 5.

Wilcox, Howard M., and J. E. Schrameck, Wilkinsburg, and H. J. Webb, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic and manual reclosing control circuits for polyphase single pole circuit breakers. 2,425,168; Aug. 5.

Wildt and Company Limited, assignee: *See*—
Holmes, Henry H., and Widdowson.

Williams, Allison R., Yazoo City, Miss. Land mine exploder device. 2,425,018; Aug. 5.

Wilson, Alford D. G., Buckhurst Hill, England. Means for shield tunnelling. 2,425,169; Aug. 5.

Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Alkylated chalcone derivatives and preparing the same. 2,425,291; Aug. 5.

Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. System and apparatus for facsimile telegraphy. 2,425,019; Aug. 5.

Witter, Philander F., Kentfield, Calif. Automatic jack rafter bevel square. 2,425,075; Aug. 5.

Wohler, Charles E., and Lewis G. Sherwood, assignors to Niagara Searchlight Company, Inc., Niagara Falls, N. Y. Flashlight. 2,425,274; Aug. 5.

Wolfe, William H.: *See*—
Voelker, Helmut, and Wolfe.

Wood, Frederic E.: *See*—
Johnson, Vincent A., and Wood.

Wood, Fredric E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay structure. 2,425,275; Aug. 5.

Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,425,218; Aug. 5.

Wunsch, Karl F., Bridgeport, and J. E. Ferguson, Southbury, assignor to Bridgeport Brass Company, Bridgeport, Conn. Continuous head turning machine. 2,425,170; Aug. 5.

Young, Charles J., Princeton, N. J., assignor to Radio Corporation of America. Secret facsimile system. 2,425,076; Aug. 5.

Young, Norman H., Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Interference reducing radio system. 2,425,020; Aug. 5.

Younger, Alexander R., Edgware, England. Electric hairdryer. 2,425,056; Aug. 5.

Zahl, Harold A.: *See*—
Golay, Marcel J. E., and Zahl.

Zink, William L., Plano, V. O. Hauswirth, Kankakee, and J. M. Geistwhite, Chebanse, assignors to Sears, Roebuck & Co., Chicago, Ill. Weight construction. 2,425,057; Aug. 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Artificial leg. G. A. Hinkle. Re. 22,903; Aug. 5.

LIST OF DESIGN INVENTIONS

Bicycle and sidecar combination, Child's. H. E. Eisele. 147,229; Aug. 5.
Blouse. V. Giovagnoni. 147,233; Aug. 5.
Bracelet. C. F. Carter. 147,227; Aug. 5.
Brooch or similar article. A. Katz. 147,241–6; Aug. 5.
Cabinet. A. and M. Wood. 147,257; Aug. 5.
Card reproducing machine, Punched. G. H. Kress. 147,248; Aug. 5.
Case, Electric shaver carrying. J. Streng. 147,254; Aug. 5.
Container for finger rings, Vendible display. J. J. Waldron. 147,256; Aug. 5.
Display case, Counter. J. G. Everett. 147,231; Aug. 5.
Dress. E. Evans. 147,230; Aug. 5.
Frame, Lapel watch. D. Taylor. 147,255; Aug. 5.
Handbag. A. Glaser. 147,234; Aug. 5.
Hobbyhorse. F. H. McClernon. 147,251; Aug. 5.
Jacket, Leather. J. Greenberg and B. Fortgang. 147,235–6; Aug. 5.
Lighter. L. Stevens. 147,253; Aug. 5.
Medallion or similar article. A. J. Daniels. 147,228; Aug. 5.
Negligee. V. Giovagnoni. 147,232; Aug. 5.
Refrigerator. F. P. Rothert. 147,252; Aug. 5.
Service station. A. H. Jaehne. 147,239; Aug. 5.
Shoe or similar article. E. Z. Lipare. 147,249–50; Aug. 5.
Shrine or similar article and case therefor, Combined. W. T. Jones. 147,240; Aug. 5.
Sprayer. H. E. Brandt. 147,226; Aug. 5.
Tray. H. Herzog. 147,237; Aug. 5.
Velocipede and trailer, Combined. W. W. Hoople. 147,238; Aug. 5.
Verifier. G. H. Kress. 147,247; Aug. 5.
Wallet and key holder, Combined. M. Block. 147,225; Aug. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abutment unit for rotary displacement pumps or motors, Sliding. H. Jeffries. 2,425,244; Aug. 5.
Acetylene, Concentration of. R. M. Isham. 2,424,987; Aug. 5.
Acrylates, methacrylates alone or in mixtures, and products thereof, Polymerization of. E. L. Kropa. 2,425,191; Aug. 5.
Acrylonitrile from acetylene and HCN, Manufacturing. W. A. Schulze and J. E. Mahan. 2,425,267; Aug. 5.
Adjuster, Telegraphic bias keying. A. Kahn and C. N. Harris. 2,425,063; Aug. 5.
Aerial photographic image motion compensating system. A. A. Koepfer. 2,424,989; Aug. 5.
Aircraft wing connection. A. J. Klose. 2,425,099; Aug. 5.
Air eliminator. A. P. Nicolette. 2,425,070; Aug. 5.
Aliphatic nitro derivatives of ketoesters and preparing them. C. T. Bahner. 2,425,276; Aug. 5.
Alkoxy menthene-7-carbinols and preparing same. J. P. Bain and A. H. Best. 2,424,960; Aug. 5.
Allylglycine, Preparation of. R. S. Long and C. M. Hofmann. 2,425,283; Aug. 5.
Amidine salts, Production of. H. J. Barber. 2,425,221–3; Aug. 5.
Amplifiers and oscillator, High-frequency. L. N. Brillouin. 2,424,965; Aug. 5.
Ampule cutter. D. W. Fosler. 2,425,093; Aug. 5.
Antenna system, Directive. H. G. Busignies. 2,424,968; Aug. 5.
Apparatus for assembly of mounts. E. W. Schafer. 2,425,127; Aug. 5.
Apparatus for automatically controlling pressure and temperature within aircraft carbins. W. W. Paget. 2,425,000; Aug. 5.
Apparatus for completing wells. P. K. Ozinga. 2,425,202; Aug. 5.
Apparatus for producing pulp from cellulosic material. J. B. Beveridge, R. D. Kehoe, and A. Surino. 2,425,024; Aug. 5.
Apparatus for sealing containers. R. E. Lowey and J. L. Ferguson. 2,425,067; Aug. 5.
Apparatus for spraying beamed yarns. H. Voelker and W. H. Wolfe. 2,425,214; Aug. 5.
Apparatus for testing aircraft. M. Watter. 2,425,273; Aug. 5.
Apparatus for yarns, Fluid treating. T. Jackson and F. B. Hill. 2,425,037; Aug. 5.
Applicator, Liquid. M. E. Landau. 2,425,251; Aug. 5.
Armor, Body. D. C. Howard. 2,424,985; Aug. 5.
Article carrier. H. G. Suiter. 2,425,135; Aug. 5.
Article-controlled marking means. D. Lacy-Hulbert. 2,425,249; Aug. 5.
Artificial hand and control mechanism. F. K. Hibbard. 2,425,154; Aug. 5.
Aryl carboxyguanamines. J. T. Thurston and D. E. Nagy. 2,425,287; Aug. 5.
Attachment for the covers of hollow bodies, Disconnectable means of. E. Schmidt. 2,425,128; Aug. 5.
Attachment of hair springs to arbors. R. R. Wentz. 2,425,017; Aug. 5.
Azo guanamines. J. T. Thurston and D. W. Kaiser. 2,425,286; Aug. 5.
Bags, Forming rubber. T. S. Watson. 2,425,166; Aug. 5.
Beta-norbornyl esters. H. A. Bruson. 2,425,173; Aug. 5.
Binder, Loose-leaf. R. M. Raynolds. 2,425,205; Aug. 5.
Bit. S. A. Stokes. 2,425,132; Aug. 5.
Blade and mounting means therefor, Fan. G. A. Dean. 2,425,088; Aug. 5.
Blanks for post and pedestal insulators, Method and apparatus for forming. E. M. Skipper. 2,425,270; Aug. 5.
Bogie coupler. H. Handler. 2,424,980; Aug. 5.
Box: *See*—
  Variable capacity folding box.
Brake: *See*—
  External contracting band brake.
Brassière. J. A. Coleman. 2,425,145; Aug. 5.
Brush, Electrical contact. D. Ramadanoff. 2,425,046; Aug. 5.
Bullets, Making incendiary. E. R. Rechel. 2,425,005; Aug. 5.
Burner with detachable generator chamber. J. L. Breese. 2,425,026; Aug. 5.
Butadiene polymer compositions containing phthalimidoalkyl alkanoates, Plasticized. P. F. Tryon. 2,425,288; Aug. 5.
Carrier: *See*—
  Article carrier. Endless cable mail carrier.
Carrier carton, Bottle. W. H. Allen. 2,425,140; Aug. 5.
Carton sealing apparatus. D. Kirk. 2,425,064; Aug. 5.
Cartridge unit, Explosive. L. B. Counterman. 2,425,176; Aug. 5.
Case: *See*—
  Collapsible travel case.
Catalytic conversion process. L. S. Kassel. 2,425,098; Aug. 5.
Cathodes, Making. W. W. Eitel and J. A. McCullough. 2,425,090; Aug. 5.
Chalcone derivatives and preparing same, Alkylated. C. W. Wilson. 2,425,291; Aug. 5.
Chambers of ice molds, Charging gas-expansion. L. L. Mallard. 2,425,259; Aug. 5.
Chlorine derivatives of trimethyl acetonitrile. O. W. Cass. 2,425,029; Aug. 5.
Circuit: *See*—
  Electronic computing cir- Transmitter control circuit. cuit.
Circuit interrupter. C. L. Denault. 2,425,147; Aug. 5.
Circuits for polyphase single pole circuit breakers, Automatic and manual reclosing control. H. M. Wilcox, J. E. Schrameck, and H. J. Webb. 2,425,168; Aug. 5.
Clamp: *See*—
  Tube clamp.
Clamping device. W. S. Fletcher. 2,425,033; Aug. 5.
Clutch: *See*—
  Synchronizing clutch.
Clutch for sewing machine, Overload release. F. Parry and B. P. Pinkvoss. 2,425,120; Aug. 5.
Coating, Mirror protective. J. H. Smith. 2,424,011; Aug. 5.
Coaxial switch. H. R. Smith. 2,425,010; Aug. 5.
Coil support. S. F. Jarvis. 2,425,155; Aug. 5.
Coils, Forming. G. H. Erb. 2,424,974; Aug. 5.
Collapsible clothing hanger. J. L. Comis and G. Nestos. 2,425,146; Aug. 5.
Collapsible travel case. A. T. Garnett and E. E. Langford. 2,425,035; Aug. 5.
Compartmented collapsible fiberboard container. H. S. Cann. 2,425,230; Aug. 5.
Complex waves, Analysis and representation of. R. K. Potter. 2,425,003; Aug. 5.
Computer, Navigational. E. C. Isom. 2,425,097; Aug. 5.
Concrete shell construction and manufacture therefor, Reinforced. K. Billig. 2,425,079; Aug. 5.
Conformator gauge. J. D. West. 2,425,216; Aug. 5.
Connecter: *See*—
  Electrical connector.
Connector: *See*—
  Electrical connector.
Construction for spaced wall insulated cabinets, Heat breaker strip. R. S. Buchanan. 2,425,027; Aug. 5.
Container: *See*—
  Compartmented collapsible fiberboard container. Nonrefillable containers.
  Measuring and dispensing container.
Container. G. A. Moore. 2,425,043; Aug. 5.
Container sealing apparatus. W. C. Johnson. 2,425,062; Aug. 5.
Continuous head turning machine. K. F. Wunsch and J. E. Ferguson. 2,425,170; Aug. 5.
Control system, Frequency. C. C. Stotz. 2,425,013; Aug. 5.
Control system, Frequency responsive. J. B. Reeves. 2,425,047; Aug. 5.
Control system, Well. P. E. Lehr. 2,425,193; Aug. 5.
Cooker, Egg. H. Navon. 2,425,199; Aug. 5.
Cooling unit. C. R. Papay. 2,425,119; Aug. 5.
Copolymers of acrylonitrile, butadiene 1,3 and a vinyl ether, Preparing a molecularly oriented. G. F. D'Alelio. 2,425,086; Aug. 5.
Counter system, Automatic. W. A. Ray. 2,425,124; Aug. 5.
Cryptographic machine. L. Rosen. 2,425,006; Aug. 5.
Cutter: *See*—
  Ampule cutter.
Decollator for manifolding assemblies. C. R. Mabon. 2,425,105; Aug. 5.
Demodulator for carrier telegraph signals. E. P. Bancroft and J. L. Jatlow. 2,424,961; Aug. 5.
Dental impression composition. S. E. Noyes. 2,425,118; Aug. 5.
Detachable bridge unit crystal mounting. S. A. Bokovoy. 2,424,963; Aug. 5.

Detector, Phase-sensitive. J. E. Shepherd. 2,425,009; Aug. 5.
Device for shaker conveyors, Self-loading. E. R. Bergmann. 2,425,078; Aug. 5.
Device for tube envelopes, Protective. N. B. Krim. 2,424,990; Aug. 5.
Dibenzoylamino dianthrimide carbazole dyestuffs. M. Scalera and H. W. Stewart. 2,425,126; Aug. 5.
Dichlorobenzalacetone. R. B. Seymour and D. T. Mowry. 2,425,269; Aug. 5.
Die. H. M. Bolston. 2,425,082; Aug. 5.
Direction finder system. H. G. Busignies. 2,424,967; Aug. 5.
Directional radio antenna lobe switching system. W. H. C. Higgins and C. A. Warren. 2,424,982; Aug. 5.
Distributor, Lubricant. J. J. Hennessy. 2,425,186; Aug. 5.
Drawing medium and making the same. M. D. McIntosh. 2,425,068; Aug. 5.
Drier: *See*—
Electric hair dryer.
Drill: *See*—
Impact drill.
Drive or transmission, Fluid. P. M. Diaz. 2,425,089; Aug. 5.
Dryer: *See*—
Electric hair dryer.
Dynamometer. C. C. and H. L. Bennett. 2,425,171; Aug. 5.
Electric hair dryer. A. R. Younger. 2,425,056; Aug. 5.
Electric snap switch. E. P. Meyer. 2,425,159; Aug. 5.
Electrical apparatus. K. W. Pfleger. 2,425,002; Aug. 5.
Electrical connector. S. N. Buchanan and J. O. Johnson. 2,424,966; Aug. 5.
Electrical contact materials and contacts and making the same. M. R. Swinehart. 2,425,052; Aug. 5.
Electrical device, Encased. A. H. Lamb. 2,425,250; Aug. 5.
Electrical follow-up system. J. C. Needham. 2,425,160; Aug. 5.
Electrical transmission system. H. Nyquist. 2,424,998; Aug. 5.
Electrodes, Production of electric arc etching. T. Miller. 2,425,113; Aug. 5.
Electronic computing circuit. R. L. Snyder, Jr. 2,425,131; Aug. 5.
Enamel for resistors. A. J. Deyrup. 2,425,032; Aug. 5.
Endless cable mail carrier. J. H. Bernau. 2,425,141; Aug. 5.
Engine: *See*—
Internal-combustion engine. Two-cycle internal-combustion engine.
Engine and attachment, Internal-combustion. E. M. Fisk. 2,425,181; Aug. 5.
Ethynyl barbinols, Producing. W. Oroshnik. 2,425,201; Aug. 5.
External contracting band brake. A. J. Musselman. 2,425,116; Aug. 5.
Extractor and foot and head severing device, Combination tendon. H. A. Alexander. 2,425,077; Aug. 5.
Fastening apparatus. W. E. De Wald. 2,425,031; Aug. 5.
Film protector. T. S. Kulka. 2,425,100; Aug. 5.
Filter. J. Ferrante. 2,425,235; Aug. 5.
Filter. C. G. Vokes. 2,425,139; Aug. 5.
Firetray assembly support. H. Howe. 2,425,036; Aug. 5.
Fishing lure. I. J. Walker, R. E. Wham, and C. S. Turbeville. 2,425,272; Aug. 5.
Flashlight. C. E. Wohler and L. G. Sherwood. 2,425,274; Aug. 5.
Flocked material, Making. J. Ferrante. 2,425,236; Aug. 5.
Food process. K. K. Newsom. 2,425,117; Aug. 5.
Form for casting concrete tubes, Core. A. E. Troiel. 2,425,137; Aug. 5.
Form for making dental models, Adjustable. M. Schlesinger. 2,425,048; Aug. 5.
Foul line keeper, Automatic. J. A. MacLagan and T. A. Walsh. 2,425,254; Aug. 5.
Foul line keeper, Automatic. J. A. MacLagan and T. A. Walsh. 2,425,256–7; Aug. 5.
Frame: *See*—
Railway track frame.
Frequency-matching system. W. R. Carter. 2,425,028; Aug. 5.
Fruit, Coloring whole citrus. J. N. Sharma. 2,425,073; Aug. 5.
Fumigant mixtures of ethylene bromide and methylene chloride. F. W. Fletcher and E. Kenaga. 2,425,238; Aug. 5.
Funnel for rayon spinning. V. F. French. 2,425,182; Aug. 5.
Furniture, Article of. J. Niver. 2,425,263; Aug. 5.
Gage: *See*—
Conformator gauge.
Garment hanger. R. R. Hawkins. 2,425,241; Aug. 5.
Gases, Detection of toxic. W. F. Fagen. 2,425,059; Aug. 5.
Gasoline, Production of aviation. R. H. Newton. 2,424,997; Aug. 5.
Gauge: *See*—
Conformator gauge.
Gear shifting mechanism. C. D. Peterson and E. J. Barth. 2,425,204; Aug. 5.
Glove and palm therefor. R. Seidel. 2,425,129; Aug. 5.
Glycol diethers. R. W. McNamee and L. G. MacDowell. 2,425,042; Aug. 5.
Grate, Sectional. E. A. Kuntz. 2,425,101; Aug. 5.
Grating. E. L. Tarof. 2,425,054; Aug. 5.
Grid winding machine. V. H. Van Sant. 2,425,015; Aug. 5.
Grinding machine, Automatic. R. Erwin, E. Troutman, and L. W. Lindquist. 2,425,234; Aug. 5.
Grip for air hammers and the like, Cushion. C. B. Johnson. 2,425,245; Aug. 5.
Guide for conveyor systems, Adjustable. A. M. Masich. 2,425,158; Aug. 5.
Guide for water closet flush valves, Lift wire. G. G. Reiwald. 2,425,163; Aug. 5.
Hamper and wash bowl, Combined clothes. W. S. Brooks. 2,425,083; Aug. 5.
Hangar door operating mechanism. E. R. Weaver. 2,425,016; Aug. 5.
Hanger: *See*—
Collapsible clothing hanger. Garment hanger.
Heating apparatus switch. E. K. Clark. 2,425,030; Aug. 5.
Hinge and latch structure, Collapsible table leg. F. M. Overbey. 2,425,162; Aug. 5.
Holder: *See*—
Refuse bag holder.
Hydrocarbon conversion with Friedel-Crafts type catalyst. R. E. Waugh. 2,425,074; Aug. 5.
Hydrocarbons in the presence of a catalyst consisting essentially of titania gel and boron oxide, Conversion of. J. D. Danforth. 2,425,087; Aug. 5.
Impact drill. R. E. Snyder. 2,425,012; Aug. 5.
Impedance device, Variable. E. C. Cork and A. D. Blumlein. 2,425,084; Aug. 5.
Indicating apparatus, Power factor. H. A. Strickland. 2,425,133; Aug. 5.
Injection apparatus, Fuel. A. T. Bremser. 2,425,229; Aug. 5.
Insecticidal composition. V. E. Haury. 2,425,185; Aug. 5.
Insulating material, Slitting of. J. C. Quayle, P. Jones, and R. Bayles. 2,425,123; Aug. 5.
Intercommunicating system. R. H. Herrick. 2,425,187; Aug. 5.
Internal-combustion engine. L. O. Knight. 2,425,156; Aug. 5.
Iodine therapeutic agent, Activated. A. Strickler. 2,425,285; Aug. 5.
Iron oxide scale from an iron-containing metal, Separating magnetic. H. A. Strickland, Jr. 2,425,134; Aug. 5.
Jack rafter bevel square, Automatic. P. F. Witter. 2,425,075; Aug. 5.
Jet propulsioned means, Combustion. A. C. Peterson. 2,425,121; Aug. 5.
Joint: *See*—
Rubber bushed tire rod joint. Steam joint.
Knitting machine, Circular latch needle. H. H. Holmes and A. H. Widdowson. 2,425,243; Aug. 5.
Land mine exploder device. A. R. Williams. 2,425,018; Aug. 5.
Latch mechanism. F. A. Best. 2,424,962; Aug. 5.
Latching mechanism. H. F. George. 2,425,239; Aug. 5.
Lawn mowers, Sharpening. N. Madsen. 2,425,106; Aug. 5.
Liquid dispensing valve. F. W. Opitz. 2,425,161; Aug. 5.
Lock nut. S. Bloomfield and R. S. Wallach. 2,425,228; Aug. 5.
Locking device. J. E. Newton. 2,425,262; Aug. 5.
Locking device and making same, Threaded. R. W. Luce. 2,425,104; Aug. 5.
Lubricant composition. E. S. Carmichael and T. G. Roehner. 2,425,174; Aug. 5.
Machine for finishing the handles of shovels. G. C. Wharton. 2,425,290; Aug. 5.
Machine for marking wire. C. F. Robbins. 2,425,266; Aug. 5.
Machine tools, Lubrication of. W. G. Hoelscher. 2,425,281; Aug. 5.
Magnetic field measurements. C. H. Fay. 2,425,180; Aug. 5.
Magnitude recorder, Plural. C. A. Blakeslee. 2,425,080; Aug. 5.
Manganese dioxide compound, Electrodepositing a. R. F. Clemens. 2,424,958; Aug. 5.
Measuring and dispensing container. J. T. Brubaker. 2,425,142; Aug. 5.
Mechanism for looms, Automatic shuttle change. F. Llovera. 2,425,103; Aug. 5.
Meter recorder and cost computer. W. J. Pearson. 2,425,072; Aug. 5.
Mining machine. J. B. Mavor. 2,425,108; Aug. 5.
Mortars, Preparing air-setting refractory. H. H. Greger. 2,425,151; Aug. 5.

Motor control. G. C. Ellerbeck. 2,425,178; Aug. 5.
Motor control means. J. H. Rouse. 2,425,007; Aug. 5.
Mount, Telescope sight. L. A. Shelley. 2,425,130; Aug. 5.
Mounting: *See*—
Detachable bridge unit crystal mounting.
Multiunit wiring receptacle. H. Hubbell and J. F. Healy. 2,424,986; Aug. 5.
Musical and animated toy pipe. M. A. Strumor. 2,425,212; Aug. 5.
Nitro-alcohol esters of mono-allyl maleate. H. A. Bruson and G. B. Butler. 2,425,144; Aug. 5.
Noise eliminator for telephone transmitters. H. J. Hart. 2,425,061; Aug. 5.
Nonrefillable container. S. Freedman and A. Bradin. 2,425,148; Aug. 5.
Nozzle, Pneumatic. C. Field. 2,425,237; Aug. 5.
Oil purifying substances and making. H. F. Dague. 2,425,085; Aug. 5.
Oils, Modifying drying. F. G. Nessler and C. E. Penoyer. 2,425,200; Aug. 5.
Oscillator, Stabilized harmonic. G. L. Usselman. 2,425,165; Aug. 5.
Overshoe-boot. A. E. Shaffer. 2,425,208; Aug. 5.
Pad for stencil duplicators, Ink. R. L. Johnson. 2,424,988; Aug. 5.
Paper and composition therefor, Coating. G. R. Dickerman and R. W. Riley. 2,425,231; Aug. 5.
Paper guiding means for writing machines, Front feed. E. F. Britten, Jr. 2,425,172; Aug. 5.
Papers, Creping corrugated. W. W. Rowe. 2,425,207; Aug. 5.
Paraffins, Isomerization of normal. E. E. Sensel. 2,425,268; Aug. 5.
Paste spreader, Linoleum. C. West. 2,425,215; Aug. 5.
Pen, Fountain. D. P. Moore. 2,425,198; Aug. 5.
Pen, Ruling. J. T. Brubaker. 2,425,143; Aug. 5.
Perambulator, cot, and other articles, Collapsible or folding. R. Lenthall. 2,425,195; Aug. 5.
Perception apparatus with means for dropping target elements at different distances from the observer, Depth. E. L. Stromberg. 2,425,014; Aug. 5.
Petroleum emulsions, Breaking. P. G. Carpenter. 2,425,175; Aug. 5.
Phosphoric acid composition, Making a. R. Lee. 2,424,992; Aug. 5.
Photoelectric control for game devices. J. A. MacLagan and T. A. Walsh. 2,425,255; Aug. 5.
Photoelectric control for game devices. J. A. MacLagen and T. A. Walsh. 2,425,258; Aug. 5.
Photographic code recording and reproducing device. J. M. Petty and T. M. Morse. 2,425,122; Aug. 5.
Pipe: *See*—
Musical and animated toy pipe.
Pipe anchor and branch pipe tee, Combination. M. S. Johnson. 2,425,189; Aug. 5.
Plastic refractory. H. H. Greger and J. J. Reimer. 2,425,152; Aug. 5.
Pocketbook. L. M. Greenway. 2,425,150; Aug. 5.
Pole-type connector support. R. R. Pittman. 2,425,265; Aug. 5.
Polysulfide polymers, Oriented. J. C. Patrick. 2,425,045; Aug. 5.
Positioning device for guns, Ammunition. V. C. Bowser. 2,424,964; Aug. 5.
Potassium sulfate from alkali carbonates, Separating. G. Ervin, Jr. 2,424,975; Aug. 5.
Power take-off. A. F. O'Connor. 2,425,044; Aug. 5.
Press: *See*—
Printing press. Sheeting cutting and creasing press.
Rotary printing press.
Primers, Sealing flash holes of. L. Meister. 2,424,993; Aug. 5.
Printing machine. W. T. Gollwitzer. 2,425,149; Aug. 5.
Printing press. C. A. Harless. 2,425,184; Aug. 5.
Printing press. W. A. Whitehead. 2,425,167; Aug. 5.
Projectile, Explosive. J. H. Church and G. J. Kessenich. 2,424,970; Aug. 5.
Propeller, Variable pitch. H. Murphy and R. E. Linse. 2,425,261; Aug. 5.
Pulse generating system. E. M. Ostlund and P. W. Sokoloff. 2,424,999; Aug. 5.
Pulsed multiplex system employing different width and repetition frequencies for each channel. E. Labin and D. D. Grieg. 2,425,066; Aug. 5.
Pyrrole from pyridine homologues by azeotropic distillation with water, Isolation of. L. J. Baney. 2,425,220; Aug. 5.
Rack for refrigerator drawers, Food supporting. G. L. C. Earle. 2,425,232; Aug. 5.
Radiant-energy receiver. G. C. Larson. 2,425,102; Aug. 5.
Radio navigational apparatus. G. T. Royden. 2,425,008; Aug. 5.
Radio object detection, Distance and direction. R. B.-Hoffman. 2,424,984; Aug. 5.
Radio system, Interference reducing. N. H. Young, Jr. 2,425,020; Aug. 5.
Radio telegraph transmitting system, Frequency-shift. J. R. Davey. 2,424,971; Aug. 5.
Railway switch and signal control and interlocking apparatus. R. A. McCann. 2,425,109; Aug. 5.
Railway track frame. J. Ledwinka. 2,425,282; Aug. 5.
Ramp for centrifugally separating solids from liquids, Means including a helical. H. McCurdy. 2,425,110; Aug. 5.
Receptacle: *See*—
Multiunit wiring receptacle.
Reel: *See*—
Thread-advancing reel.
Reflector and forming same. S. G. Bart. 2,425,022; Aug. 5.
Refrigeration apparatus. W. B. Anderson, A. W. Haley, and A. H. Kelly. 2,425,021; Aug. 5.
Refuse bag holder. J. L. Mayer. 2,425,260; Aug. 5.
Relay, Magnetic. V. A. Johnson and F. E. Wood. 2,425,190; Aug. 5.
Relay, Sensitive. C. P. Fisher. 2,425,092; Aug. 5.
Relay, Split-phase. A. H. Faulkner. 2,425,179; Aug. 5.
Relay structure. F. E. Wood. 2,425,275; Aug. 5.
Release for electric switch locks, Emergency. W. C. McWhirter. 2,425,111; Aug. 5.
Remote control apparatus for hydraulic systems. H. E. Page. 2,425,071; Aug. 5.
Riboflavin by butyl alcohol producing bacteria, Production of. R. J. Hickey. 2,425,280; Aug. 5.
Rosin, Polymerization of. B. L. Hampton. 2,424,979; Aug. 5.
Rotary printing press. E. W. Worthington. 2,425,218; Aug. 5.
Rubber bushed tire rod joints. A. Venditty. 2,425,138; Aug. 5.
Rutin from buckwheat, Obtaining. E. L. Griffin, Jr. 2,425,094; Aug. 5.
Safety switch device. W. P. Lear. 2,425,038; Aug. 5.
Scale for typewriters, Platen. L. A. Meacham. 2,425,112; Aug. 5.
Seal, Rotary. H. A. Strickland, Jr. 2,425,211; Aug. 5.
Seat for mechanical seals. R. D. Snyder, E. J. Coleman, and C. E. Schmitz. 2,425,209; Aug. 5.
Secret facsimile system. C. J. Young. 2,425,076; Aug. 5.
Selector, Name. H. R. Montague. 2,425,197; Aug. 5.
Selenium element and method. A. J. Miller and O. J. Mueller. 2,424,995; Aug. 5.
Sewing machine. H. A. Landroche. 2,424,991; Aug. 5.
Shaker, Salt-and-pepper. F. R. Hale. 2,424,978; Aug. 5.
Sheet cutting and creasing press. H. J. Luehrs. 2,425,039–41; Aug. 5.
Shellac coating compositions. H. H. Bassford, Jr. 2,425,023; Aug. 5.
Shield tunnelling. A. D. G. Wilson. 2,425,169; Aug. 5.
Shirt, Inflatable safety. J. H. Ripley. 2,425,206; Aug. 5.
Shirt with adjustable collar, Sport. L. M. Fisch. 2,425,091; Aug. 5.
Shoe, Track. R. Q. Armington. 2,425,219; Aug. 5.
Shoes, Making open heel. S. Smith. 2,425,050; Aug. 5.
Shoulder pad and making same. E. P. Endecott. 2,425,233; Aug. 5.
Shoulder pads, Making. S. Bloom. 2,425,227; Aug. 5.
Signaling system. B. M. Harrison. 2,424,981; Aug. 5.
Silver-backed nonwelding contacts and making the same. M. R. Swinehart. 2,425,053; Aug. 5.
Skylight construction. R. F. Gildehaus. 2,425,060; Aug. 5.
Slip-sinker. P. H. Metzler. 2,425,069; Aug. 5.
Smocking apparatus. H. Kelly. 2,425,247; Aug. 5.
Solder-applying machines, Electric. H. A. Mulvany. 2,425,114; Aug. 5.
Soldering machine, Electric. H. A. Mulvany. 2,425,115; Aug. 5.
Solids from liquids, Separating flocculatable and gritty. A. M. Kivari. 2,425,065; Aug. 5.
Stake and lock, Combination plant. T. Sheridan. 2,425,049; Aug. 5.
Steam joint. R. Carpenter. 2,424,969; Aug. 5.
Steamer, Garment. C. R. Lendle. 2,425,194; Aug. 5.
Steering wheel. H. F. George. 2,425,240; Aug. 5.
Steering wheel device. B. W. Taylor. 2,425,055; Aug. 5.
Stepladder construction. E. D. Boisselier. 2,425,025; Aug. 5.
Stool, Collapsible. M. A. Lopes. 2,425,196; Aug. 5.
Stove, Cooking. W. S. Tandler. 2,425,271; Aug. 5.
Stroller, Child's. P. C. Little and M. W. Sparrow. 2,425,253; Aug. 5.
Support: *See*—
Coil support. Pole-type connector support.
Firetray assembly support.
Switch: *See*—
Coaxial switch. Temperature compensated switch.
Electric snap switch.
Heating apparatus switch.
Switch actuating mechanism. E. A. Ericson. 2,425,278; Aug. 5.
Synchronizing clutch. C. D. Peterson and R. R. Burkhalter. 2,425,203; Aug. 5.
System and apparatus for facsimile telegraphy. R. J. Wise. 2,425,019; Aug. 5.
System for detecting sources of radiant energy. M. J. E. Golay and H. A. Zahl. 2,424,976; Aug. 5.
System for electric welding apparatus, Controller. L. C. Hall. 2,425,183; Aug. 5.
Tachometer calibrator. D. J. Ward. 2,425,289; Aug. 5.

Tampons, Method of and machine for making. W. H. Rabell. 2,425,004; Aug. 5.
Tapes, Pressure-sensitive adhesive. V. N. Morris. 2,424,996; Aug. 5.
Telegraphophone system, Magnetic wire. D. E. Sunstein. 2,425,213; Aug. 5.
Temperature compensated switch. E. C. Thomson. 2,425,164; Aug. 5.
Tent, Field. R. G. Harris. 2,425,279; Aug. 5.
Tester, Synchronization. W. A. Bohannon. 2,425,081; Aug. 5.
Thiocyanates, Production of. W. H. Hill. 2,424,983; Aug. 5.
Thiodiglycolic acid, Obtaining. A. E. Bearse. 2,425,224; Aug. 5.
Thiodiglycolic acid, Obtaining. A. E. Bearse. 2,425,226; Aug. 5.
Thiodiglycolic acid, Production of esters of. A. E. Bearse and R. R. Cruse. 2,425,225; Aug. 5.
Thread-advancing reel. G. P. Torrence. 2,425,136; Aug. 5.
Titanium dioxide and calcium-starch-metaborate as pigments (in paper and in paint), Mixtures of. W. L. Craig. 2,425,058; Aug. 5.
Toolholder. J. B. Herring. 2,425,242; Aug. 5.
Toy, Creeping. O. Steinitz. 2,425,051; Aug. 5.
Track and aperture unit for projectors, Film. E. J. Wienke. 2,425,217; Aug. 5.
Trailer, Boat. J. D. Larson. 2,425,252; Aug. 5.
Transformer. F. W. Edmonds. 2,424,973; Aug. 5.
Transmitter control circuit. L. Dubin. 2,424,972; Aug. 5.
Transmitting means and adjustment therefor, Motion. H. Honigman. 2,425,188; Aug. 5.
Transmitting system, Pulse width modulation multichannel. D. D. Grieg. 2,424,977; Aug. 5.
Trialkyl benzene, Production of. V. N. Ipatieff and C. B. Linn. 2,425,096; Aug. 5.
Trocar. J. B. Davis. 2,425,277; Aug. 5.
Tube arrangement for frequency doubling. A. Alford. 2,424,959; Aug. 5.
Tube clamp. R. R. Harrison. 2,425,153; Aug. 5.
Tube with magnetic compensating means, Cathode-ray. C. L. Richards. 2,425,125; Aug. 5.
Turbine construction. V. Cronstedt. 2,425,177; Aug. 5.
2-aminopyrimidine, Production of. E. Kuh and T. W. Clapper. 2,425,248; Aug. 5.
Two-cycle internal-combustion engine. M. Mallory. 2,425,157; Aug. 5.
Valve: *See*—
Liquid dispensing valve.
Valve. P. Spence. 2,425,284; Aug. 5.
Variable capacity folding box. J. Fuehrer. 2,425,034; Aug. 5.
Vegetable oils, Winterizing. F. P. Parkin and G. N. Walker. 2,425,001; Aug. 5.
Vinyl acetate alone or in mixtures, and products thereof, Polymerization of. E. L. Kropa. 2,425,192; Aug. 5.
Vitamin A acid and its esters and making them. N. A. Milas. 2,424,994; Aug. 5.
Weight construction. W. L. Zink, V. O. Hauswirth, and J. M. Geistwhite. 2,425,057; Aug. 5.
Weighting motions for the drafting rollers of preparatory and spinning machines. J. Noguera. 2,425,264; Aug. 5.
Wheel: *See*—
Steering wheel.
Wheel device, Stabilized castering. L. Kalvin. 2,425,246; Aug. 5.
Wheel dresser, Grinding. F. J. Henkel. 2,425,095; Aug. 5.
Wheeled mobile container apparatus. G. Martin. 2,425,107; Aug. 5.
Wrapping system, Box. J. S. Stokes. 2,425,210; Aug. 5.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 5, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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	138: 2,425,290	106—	49: 2,425,032		294: 2,425,168		2,425,115		69: 2,425,132		99: 2,425,162
	281: 2,425,106		67: 2,425,151		336: 2,425,275		35: 2,425,271	257—	233: 2,425,119	315—	6: 2,424,959
57—	76: 2,425,182		2,425,152		338: 2,425,179	220—	9: 2,245,027	260—	36: 2,425,288		210: 2,425,081
58—	115: 2,425,017		237: 2,425,023		362: 2,424,973		55: 2,425,128		83: 2,425,191	318—	29: 2,425,160
60—	44: 2,425,121		300: 2,425,058		366: 2,424,995	222—	340: 2,425,161		84: 2,425,192		176: 2,425,047
	52: 2,425,071	108—	16: 2,425,060	178—	3: 2,425,019		455: 2,425,142		97: 2,424,979		326: 2,425,178
61—	85: 2,425,169	112—	59: 2,424,991		22: 2,425,076	223—	28: 2,425,247		153: 2,425,286	322—	73: 2,425,183
62—	89: 2,425,232		220: 2,425,120		44: 2,425,084		70: 2,425,194		210: 2,425,094		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,424,962:	292—210	2,425,031:	218— 20	2,425,049:	47— 47	2,425,110:	210— 57	2,425,183:	322— 73	2,425,230:	229— 27
2,424,965:	250— 36	2,425,034:	229— 16	2,425,057:	16— 1	2,425,121:	60— 44	2,425,188:	74—198	2,425,252:	254—139.1
2,424,980:	280—113	2,425,037:	68— 6	2,425,058:	106—300	2,425,129:	2—161	2,425,191:	260— 83	2,425,253:	155— 22
2,424,997:	196— 49	2,425,040:	164— 23	2,425,078:	198—220	2,425,135:	224— 48	2,425,196:	155—149		
2,425,015:	153— 67	2,425,047:	318—176	2,425,081:	315—210	2,425,140:	224— 48	2,425,204:	74—475		
2,425,019:	178— 3	2,425,048:	18— 33	2,425,094:	260—210	2,425,178:	318—326	2,425,226:	260—537		

CLASSIFICATION OF DESIGNS

D 3—	4: Des. 147,235	D 7—	7: Des. 147,250	D34—15: Des. 147,238	D45—19: Des. 147,242	D62— 2: Des. 147,226	D87— 3: Des. 147,225
	Des. 147,236	D13—	1: Des. 147,239	Des. 147,251	Des. 147,243	D64—11: Des. 147,247	Des. 147,234
	25: Des. 147,233	D29—19:	Des. 147,228	D42— 8: Des. 147,255	Des. 147,244	Des. 147,248	Des. 147,254
	26: Des. 147,230		23: Des. 147,240	D44—10: Des. 147,237	Des. 147,245	D67— 3: Des. 147,252	
	Des. 147,232	D33—19:	Des. 147,257	D45— 4: Des. 147,227	Des. 147,246	D80— 5: Des. 147,256	
D 7—	7: Des. 147,249	D34—15:	Des. 147,229	19: Des. 147,241	D48—24: Des. 147,253	9: Des. 147,231	

U. S. GOVERNMENT PRINTING OFFICE: 1947

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

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Reissues	5	No. 22,904 to No.	22,908, inclusive
Plant Patents	1	No. 751	
Patents	417	No. 2,425,292 to No.	2,425,708, inclusive
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Total	971		

Patents expiring: Patent Numbers 1,772,446 to 1,773,087, inclusive, issued August 12, 1930, expire August 12, 1947

Condition of Applications Under Examination at Close of Business July 25, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,133; Trade-Mark Division, 13,095. Oldest new case, Sept. 21, 1945; oldest amended, Sept. 21, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 25	Jan. 11	3,047
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 12	3,663
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Apr. 27	Apr. 19	1,698
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Feb. 25	Feb. 21	3,262
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sept. 21	*Sept. 21	3,777
6. SURLE, H., Carbon Chemistry (part)	July 1	July 12	2,116
7. HANLIN, GEORGE, Optics; Photographic Apparatus	July 22	July 19	1,685
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 21	Mar. 1	4,078
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 28	*Dec. 15	2,163
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Apr. 3	Apr. 12	1,251
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	July 26	Oct. 14	847
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Mar. 4	Feb. 19	2,101
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 13	*Nov. 5	2,308
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 8	May 15	1,305
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 22	*Nov. 3	2,025
16. LOVEWELL, N. N., Telegraphy; Telephony	June 3	May 17	1,427
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 9	Mar. 15	1,460
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Nov. 15	*Nov. 26	1,611
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 24	1,758
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes.	*Dec. 12	Jan. 12	1,831
21. MADER, R. C. (Acting) Textiles	Sept. 19	Sept. 26	892
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Feb. 1	Feb. 1	1,947
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Oct. 11	1,153
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 29	Nov. 19	1,720
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Jan. 25	Feb. 5	1,766
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 7	Jan. 18	2,228
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Mar. 3	Mar. 1	2,662
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Jan. 15	Jan. 9	1,340
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 19	Mar. 28	2,745
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Mar. 18	Mar. 19	2,576
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Sept. 6	Sept. 6	1,108
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 4	Feb. 8	2,555
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 20	*Nov. 19	3,346
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 7	Jan. 25	1,404
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Jan. 14	Feb. 15	2,483
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 30	*Dec. 10	1,902
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 21	Mar. 29	1,609
38. ARNOLD, D. (Acting) Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	Mar. 27	Apr. 1	1,610
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Oct. 26	*Oct. 25	2,712
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Mar. 12	2,923
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	721
42. MARANS, H., Electric Signaling	Oct. 1	Sept. 26	803
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 6	July 24	977
44. HARVEY, L. P., Refrigeration; Preserving	*Dec. 21	*Dec. 5	1,378
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	*Dec. 29	Jan. 4	2,417
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 14	Apr. 1	1,469
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	Mar. 1	Mar. 11	2,064

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,133; Trade-Mark Division, 13,095. Oldest new case, Sept. 21, 1945; oldest amended, Sept. 21, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Jan. 5	*Dec. 14	1,811
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 13	Apr. 1	1,543
50. LEVIN, SAMUEL, Synthetic Resins	June 8	June 14	2,607
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Feb. 27	Feb. 21	2,023
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Apr. 24	Apr. 15	3,552
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery, Closures, Partitions and Panels, Flexible and Portable.	Jan. 14	Jan. 5	4,063
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 4	Apr. 22	2,100
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	Jan. 15	Feb. 8	1,329
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	July 8	Aug. 8	1,305
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Dec. 19	Jan. 5	3,339
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 2	May 17	1,271
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	*Nov. 28	*Nov. 13	2,155
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	May 21	2,047
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 21	2,940
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Dec. 22	Jan. 8	1,899
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	*Oct. 24	Jan. 26	2,200
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Oct. 2	Oct. 18	1,778
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Insulators and Connectors	Apr. 22	May 24	1,115
66. LISANN, I., Geometrical Instruments	*Oct. 1	*Oct. 3	2,265
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	*Dec. 1	*Dec. 29	1,782
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	Mar. 4	Mar. 15	1,633
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays, (e. g., amplifiers), Galvanometers and Meters.	*Nov. 28	*Nov. 27	1,327
Trade-Marks: MERCHANT, J. H.	Oct. 23	Dec. 27	13,095
Designs: BREHM, G. L. (Acting)	Mar. 29	†Jan. 6	9,125

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MANTZ *v.* CYR

No. 5,262. Decided February 11, 1947

[159 F.(2d) 746; 72 USPQ 509]

INTERFERENCE—PATENT AND APPLICATION—CONSTRUCTION OF COUNTS.

When appellant (patentee) admitted in his brief that there is no ambiguity in the counts. *Held* that the language of the counts must be read broadly.

SAME—SAME—PRIORITY.

Record reviewed and *Held* that when the counts are broadly read Figs. 5 and 6 of appellant's structure meet the limitations thereof, and the decision of the Board of Interference Examiners awarding priority to the appellee is affirmed.

APPEAL from the Patent Office. Affirmed.

Brown, Jackson, Boettcher & Dienner (*Charles V. Hildebrecht* of counsel) for Mantz.

George H. Fisher (*Frederick E. Lange* of counsel) for Cyr.

JACKSON, *J.*:

This is an appeal in an interference proceeding involving a patent of appellant No. 2,340,197, dated January 25, 1944, on an application Serial No. 394,601, filed May 22, 1941, and an application of appellee Serial No. 390,571, dated April 26, 1941. Appellee is, therefore, the senior party.

The patent of appellant is assigned to Milwaukee Gas Specialty Company of Milwaukee, Wis., and the application of appellee is assigned to Minneapolis-Honeywell Regulator Company of Minneapolis, Minn. The counts are claims 1 and 2 of appellant's patent and were copied by appellee after that patent issued. The counts read as follows:

1. In combination, a supporting structure, a switch fixedly mounted on said structure provided with a controlling member having an "on" position and an "off" position, a reset member mounted on said structure for rectilinear movement to reset and released positions, an actuator member mounted on said structure for rectilinear movement to resetting and released positions and cooperable with said reset member, when same is in released position, to reset said reset member to reset position by movement of said actuator member from released position to reset position, said reset member and said actuator member being substantially coaxial, means for holding said reset member in reset position, and an operating arm for actuating said controlling member to "on" position by cooperation of said actuator member therewith upon movement of said actuator member from resetting position to released position and only when said reset member is held in reset position.

2. In a switch of the class described, in combination, a supporting structure, a reset member mounted on said structure for rectilinear movement to reset and released positions, an actuator member mounted on said structure for rectilinear movement to resetting and released positions and cooperable with said reset member, when same is in released position, to reset said reset member to reset position by the movement of said actuator member from released position to reset position, said reset member and said actuator member being substantially coaxial, means for holding said reset member in reset position, switch means fixedly mounted on said structure, and a switch operating member actuated to position closing said switch means by cooperation with said actuator member upon movement of said actuator member from resetting position to released position only when said reset member is held in reset position.

The subject matter of the interference relates to an electric switch in a thermocouple safety shut-off device used in gas burners. The thermocouple is put into action by heat such as produced by a pilot flame thereon and the purpose of the device is for the maintenance of proper flow of the fuel to the main burner. When the pilot flame is extinguished the device shuts off the flow of fuel.

It will be noted that the counts relate to the structure of the switch.

During the motion period appellant moved to dissolve the interference on the ground that appellee had not disclosed the subject matter of the counts. The motion was denied by the Primary Examiner. Appellant waived his right to take testimony and requested that the case be set down for final hearing on the sole issue of appellee's right to make the counts. That, therefore, was the only issue before the Board of Interference Examiners of the United States Patent Office. The Board awarded priority of invention on both counts to the appellee. From such ruling this appeal was taken.

Appellee relies upon the embodiment shown in Figures 5 and 6 of his application as supporting the counts. In order that the subject matter out of

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which the issue arises may be clear we deem it advisable to reproduce those two figures.

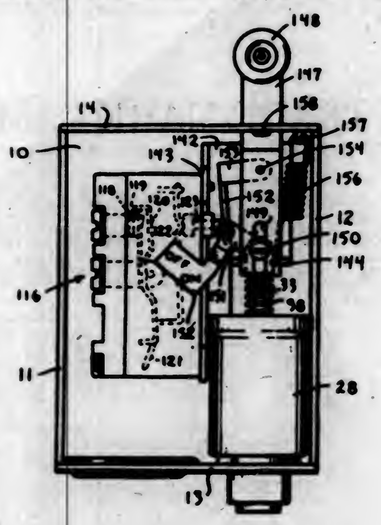


Fig. 5

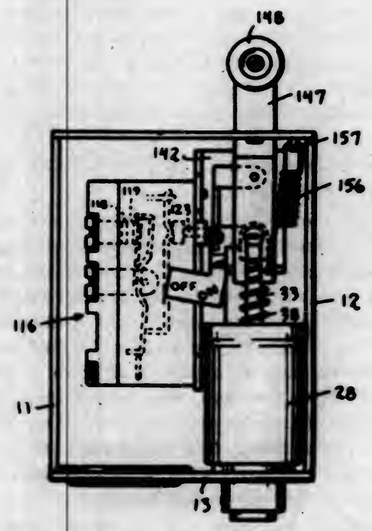


Fig. 6

Figure 5 shows a front elevation of the switch device depicting the position of the elements thereof when it is in closed position. Figure 6 shows the position of the elements when the switch is open. A housing 28 encloses an electromagnet structure with an armature. The numerals 118 and 119 designate the switch contacts. A biased or spring-pressed toggle link is indicated by the numeral 121 and an actuating lever by 122. Numeral 123 is a button which engages the lever 122. When the button is moved to the left, the lever 122 is pushed against the bias link 121 and the contacts 118 and 119 separate from the circuit with a snap action. Slidably extending through a slot in the top flange 14 is a forked member 147. Numeral 33 indicates a plunger which contacts the armature of the electromagnet. Slidable in slot 149 is a cross-head 150 pivotally secured to which is the lower end of lever 151 which has a downwardly extending arm 152 whereon appears the words "Off" and "On." The lever 152 is pivotally secured to the junction of the two legs of lever 151. Lever 151 bears against the button 123. At its upper end lever 152 is provided with ears 153 pivotally connected to slidable member 147 at 154. A spring 156 at its upper end is secured to ear 157 and at its lower end fastened near the bottom of 147. In its upward movement the member 147 is limited by a cotter pin 158.

Figure 5 depicts the switch with the armature in closed position on the electromagnet legs so that the cross-head 150 is down. While in this position the levers 151 and 152 are so angled that the button 123 is free to move to the right so as to permit engagement of the contacts 118 and 119. Should the pilot flame be extinguished, the electromagnet is deenergized and the armature released. Then the spring 38 moves the cross-head 150 upwardly to its top position with the levers 150 and 152 at right angles to each other. Lever 152 is urged against button 123 pushing it to the left and breaking the circuit at contacts 118 and 119.

It will be understood that when the switch is in the position as shown in Figure 6 the fuel feed valve is closed and when it is desired to open the valve the member 147 is pushed downwardly so that the spring 38 surrounding the reset member 33 is compressed and the reset member pushes the armature against the legs of the electromagnet frame. Then if the thermocouple is heated by the pilot flame the armature is held by the energized electromagnet frame and the member 147 may be moved upwardly resulting in the position shown in Figure 5.

It is stated in the decision of the Board that appellant admitted in his brief there is no ambiguity in the counts and, therefore, the language thereof must be read broadly. In his brief on appeal appellant makes the same admission but contends that the counts contain express limitations which may not be disregarded. The limitations appear in the latter part of each of the counts and read as follows: In count 1 "* * * an operating arm for actuating said controlling member to 'on' position by cooperation of said actuator member therewith upon movement of said actuator member from resetting position to released position and only when said reset member is held in reset position," in count 2, "* * * and a switch operating member actuated to position closing said switch means by cooperation with said actuator member upon movement of said actuator member from resetting position to released position only when said reset member is held in reset position."

The Board, reading the language of the counts broadly, pointed out that member 123 is the controlling member constantly pressed against the arm or lever 152 by spring pressure of the switch and that it cannot move to the "on" position until the lever 152 is pivoted to the left thus permitting the controlling member 123 to move to the right. The movement of lever 152 depends upon the movement of members 147 and 33. The Board held it could properly be said that the member 123 is actuated to the "on" position through cooperation of the actuator member 147 with the operating arm 152 as called for by the counts. The Board then stated that count 2 being similar to count 1, the same reasoning applies to both.

Appellee contended before the Board that appellant had shifted his position from that urged before the Primary Examiner and for that reason appellant's argument should not be considered citing *Koch* v. *Lieber, Deceased*, 31 C. C. P. A. (Patents) 979, 141 F.(2d) 518, 61 USPQ 127. The Board seemingly agreed with appellee's contention but stated it was preferable to dispose of the case on its merits.

Reading the language of the counts broadly, as we must do in this instance, the decision of the Board appears to be proper. The devices of the parties appear to be similar with a few of the elements differing somewhat in form and juxtaposition.

As to count 1 appellee, in the switch casing 11, discloses "a supporting structure"; switch 116 depicts "a switch fixedly mounted on said structure"; element 123, the push button, is the controlling member shown in its "on" position in Figure 5 and its "off" position in Figure 6; stem member 33 is the reset member for rectilinear movement to reset and released positions required by the count. Member 147 is the actuator which, when moved downwardly, pushes the reset member 33 from its released position to the reset position shown in Figure 5 and thus reads on that portion of the count defining "* * * an actuator member mounted on said structure for rectilinear movement to resetting and released positions and cooperable with said reset member, when same is in released position, to reset said reset member to reset position by the movement of said actuator member from released position to reset position, * * *."

It is obvious that the reset member 33 and actuator member 147 are coaxial and also that the means for holding the said reset member is the electromagnet in housing 28. Considering the lever 152 as an operating arm it actuates the controlling member 123 to its "on" position because of cooperation of the actuator 147 with lever 152 when the operating arm is moved from reset to released position and this can only occur when the electromagnet is functioning, which means that the reset member 33 is held in its lowest position. Therefore, it appears to us, reading the language of the count broadly, that the switch disclosed by appellee reads properly on count 1.

With respect to the quoted clause of count 2, the "switch operating member" therein may, in our opinion, be properly considered the lever 152 which is "actuated" as above described to an "on" position as shown in Figure 5 and, therefore, to a "position closing said switch means." There is no doubt but that member 152 is moved by a cooperation with the actuator member 147 when the latter is moved from a resetting to a released position with the reset member 33 held in reset position by reason of the energizing of the electromagnet.

It is true that the member 123 is constantly pressed against the lever 152 by spring pressure of the switch; however, reading the language of the counts broadly member 123 cannot move to an "on" position until the lever 152 is so moved as to permit movement of member 123. Member 123, however, is controlled in its movement by the actuating and reset members and, therefore, member 123 was properly considered to be actuated to its "on" position by reason of the cooperation of actuator member 147 with the operating arm 152.

Since it is admitted by appellant that there is no ambiguity in the counts, it is not necessary to read them on his device and since in our opinion Figures 5 and 6 of appellee's structure, when broadly read, meet the limitations thereof, the decision of the Board should be and is affirmed.

Affirmed.

NOTICES

Checks Returned Because of Insufficient Funds

Effective July 10, 1947, the policy of the Patent Office in regard to checks offered in payment of fees which are returned by banks to the Patent Office because of insufficient funds or similar reasons will be as follows:

A. Whenever a date or serial number has been given as of the date of receipt of the check and such date is material, the date or serial number (if any) shall be cancelled. The attorney or applicant will be promptly notified accordingly. Upon receipt of new funds, appropriate action will be taken as of the date of receipt thereof.

B. In cases where the filing date is not of material importance no change will be made in the date. *Example:* In filing an appeal to a final rejection no change in filing date shall be made provided the check is made good promptly and before the expiration of the six-month period during which the appeal may be filed. If the appeal is filed sufficiently close to the expiration of the six-month period as to prevent the check being made good before that date then the filing date becomes material and in such cases the filing date shall be cancelled.

C. A second offense shall be considered sufficient grounds to require the offender to furnish cash, postal money order or certified check for all future fees and the offender shall be notified accordingly.

CASPER W. OOMS.
Commissioner of Patents.

Establishment of Divisions 68 and 69

Effective July 21, 1947, Division 68 was established in the Patent Examining Operation. This division is located in Room 6508, Commerce Building.

The following classes or parts of classes have been transferred to Division 68 from the divisions indicated:

All of class 77 and all of class 188 from Division 47.

Class 192, subclasses 3.2 and 12 to 150, inclusive, from Division 12.

Effective July 21, 1947, Division 69 was established in the Patent Examining Operation. This division is located in Room 6522, Commerce Building.

The following classes or parts of classes have been transferred to Division 69 from the divisions indicated:

Class 178, subclass 44, and class 179, subclasses 170 and 171 from Division 65.

Class 171, subclasses 34, 95, 264 to 268 inclusive, 270 to 273 inclusive, 308 and 309, and class 172, subclass 245 from Division 42.

July 22, 1947.

Notice of Tentative Recordation of Trade Name

(T. D. 51721)

Tentative recordation of trade names under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., July 18, 1947

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade names under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"Helzberg" and "Helzberg's," owned by Helzberg's Diamond Shops, Inc., 1100 Walnut Street, Kansas City, Mo., which are applied to and used in connection with the sale of jewelry, precious metalware and horological instruments including watches, the merchandise being manufactured in the United States and Switzerland.

The recordation of the foregoing trade names shall become final at the expiration of 30 days after August 12, 1947. Any person who desires to file an opposition to the recordation of these trade names shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade names shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

Disclaimers

2,187,962. *Harry B. Barrett*, St. Louis, Mo. COMBINATION PRECISION GRINDER AND CALIPER. Patent dated Jan. 23, 1940. Disclaimer filed July 16, 1947, by the inventor.

Hereby enters this disclaimer to claims 1, 2, and 13 in said specification.

2,378,542. *Wayne O. Edmister*, Flossmoor, Ill. METHOD AND APPARATUS FOR CATALYTIC PROCESSES. Patent dated June 19, 1945. Disclaimer filed July 7, 1947, by the assignee, *Standard Oil Company*.

Hereby disclaims claims 7, 8, and 11 of said patent.

Adjudicated Patents

(D. C. N. Y.) Haupt, Gumbel and Geisecke patent, No. 1,898,535, for method and means of feeding paper sheets, claim 1 *Held* invalid but infringed if valid. *American Type Founders Inc.* v. *Dexter Folder Co.*, 71 F. Supp. 712; 73 USPQ 35.

(D. C. N. Y.) Backhouse patent, No. 2,108,702, for automatic sheet feeding machinery, claim 52 *Held* invalid but infringed if valid. *Id.*

(D. C. N. Y.) Hallstream patent, No. 2,144,057, for a paper feeding machine, claims 1 to 4, 6, 9, 10, and 26 *Held* invalid but infringed if valid. *Id.*

Interference Notice

Harvey B. Martling, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson Jones Company, 3300 Franklin Boulevard, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 22, 1937, No. 347,269, to Harvey B. Martling, 908 Commerce St., Nashville, Tenn., and 114 20th Ave., South, Nashville, Tenn., and the notice of such declaration sent by registered mail to the said Martling at the said addresses of record having been returned by the post office undeliverable, notice is hereby given that unless said Martling, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
July 16, 1947. *First Assistant Commissioner.*

Notice of Cancellation

James W. Shoemaker, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of John Lucas and Company, Inc., 322 Race Street, Philadelphia, Pa., to effect the cancellation of trade-mark registration of James W. Shoemaker, 1217 Old Chehalis Road, Centralia, Wash., No. 246,446, dated September 4, 1928, and the Patent Office having been advised that the said Shoemaker is deceased, notice is hereby given that unless the heirs of Shoemaker, his assigns, legal representatives, or other person claiming an interest in the registration, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
July 9, 1947. *First Assistant Commissioner.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The United Shoe Machinery Corporation has placed 2,092 patents on the Register of Patents as available for license. About one-fourth of these patents are useful in fields other than shoe machinery—among which are sewing machines, cement dispensing devices, and buffing rolls. The complete list of patents will be published in groups in the OFFICIAL GAZETTE from July 29 to August 19 inclusive. A brochure containing abstracts of these patents may be obtained from the Commissioner of Patents, Washington, D. C., or from the United Shoe Machinery Corporation, 140 Federal St., Boston 10, Mass. Group 35—59. Reg. Nos. 7,080 to 7,604, inclusive, are printed herewith.

Pat. 2,297,697. LASTING MACHINE. Patented Oct. 6, 1942.

Pat. 2,305,618. CHIP DEFLECTING DEVICE FOR SKIVING MACHINES. Patented Dec. 22, 1942.

Pat. 2,306,319. PRESS. Patented Dec. 22, 1942.

Pat. 2,306,322. PRESS. Patented Dec. 22, 1942.

Pat. 2,313,914. GAUGE FOR CEMENTING MACHINES. Patented Mar. 16, 1943.

Pat. 2,329,695. WORK-CLAMPING MEANS. Patented Sept. 21, 1943.

Pat. 2,333,209. SOLE PRESSING MACHINE. Patented Nov. 2, 1943.

Pat. 2,334,715. FASTENING INSERTING MACHINE. Patented Nov. 23, 1943.

Pat. 2,353,645. FASTENING FORMING MACHINE. Patented July 18, 1944.

Pat. 2,357,888. FASTENER-INSERTING MACHINE. Patented Sept. 12, 1944.

Pat. 2,357,889. FASTENER-INSERTING MACHINE. Patented Sept. 12, 1944.

Pat. 2,360,337. PNEUMATIC CHIP EJECTOR. Patented Oct. 17, 1944.

Pat. 2,374,345. FASTENER-INSERTING MACHINE. Patented Apr. 24, 1945.

Pat. 2,375,217. WELT BEATING MACHINE. Patented May 8, 1945.

Pat. 2,375,803. TRIMMING MACHINE. Patented May 15, 1945.

Pat. 2,383,025. HEEL BREASTING MACHINE. Patented Aug. 21, 1945.

Pat. 2,392,849. PREWELT CEMENTING AND FORMING MACHINE. Patented Jan. 15, 1946.

Pat. 2,406,753. SOLE PRESSING MACHINE. Patented Sept. 3, 1946.

Sewing Machines, Parts and Attachments

Pat. 1,770,870. SEWING MACHINE. Patented July 15, 1930.

Pat. 1,772,050. SHOE-SEWING MACHINE. Patented Aug. 5, 1930.

Pat. 1,773,271. SEWING MACHINE. Patented Aug. 19, 1930.

Pat. 1,774,498. SHOE MACHINE. Patented Sept. 2, 1930.

Pat. 1,774,747. MACHINE FOR USE IN THE MANUFACTURE OF STITCHDOWN SHOES. Patented Sept. 2, 1930.

Pat. 1,778,081. THREAD TENSIONING DEVICE. Patented Oct. 14, 1930.

Pat. 1,779,977. SEWING MECHANISM. Patented Oct. 28, 1930.

Pat. 1,779,996. SEWING MACHINE. Patented Oct. 28, 1930.

Pat. 1,780,304. BOBBIN WINDING MACHINE. Patented Nov. 4, 1930.

Pat. 1,786,621. THREAD MEASURING MECHANISM FOR SHOE SEWING MACHINES. Patented Dec. 30, 1930.

Pat. 1,786,624. HORN FOR SHOE SEWING MACHINES. Patented Dec. 30, 1930.

Pat. 1,787,157. FEED MECHANISM FOR SEWING MACHINES. Patented Dec. 30, 1930.

Pat. 1,789,534. SEWING MACHINE. Patented Jan. 20, 1931.

Pat. 1,790,591. THREAD CONTROLLING DEVICE FOR SEWING MACHINES. Patented Jan. 27, 1931.

Pat. 1,791,966. BUTTONHOLE SEWING MACHINE. Patented Feb. 10, 1931.

Pat. 1,805,544. WINDING MACHINE. Patented May 19, 1931.

Pat. 1,812,852. SEWING MACHINE SHUTTLE. Patented July 7, 1931.

Pat. 1,814,550. SEWING MACHINE. Patented July 14, 1931.

Pat. 1,814,562. LOCKSTITCH SHOE SEWING MACHINE. Patented July 14, 1931.

Pat. 1,815,307. SEWING MACHINE. Patented July 21, 1931.

Pat. 2,815,471. MACHINE FOR OPERATING ON WELTING. Patented July 21, 1931.

Pat. 1,823,059. SEWING MACHINE AND THE LIKE. Patented Sept. 15, 1931.

Pat. 1,824,063. SEWING MACHINE. Patented Sept. 22, 1931.

Pat. 1,824,064. FEEDING MECHANISM. Patented Sept. 22, 1931.

Pat. 1,824,065. SHUTTLE MECHANISM. Patented Sept. 22, 1931.

Pat. 1,824,066. TAKE-UP MECHANISM. Patented Sept. 22, 1931.

Pat. 1,827,321. LOCKSTITCH SEWING MACHINE. Patented Oct. 13, 1931.

Pat. 1,827,378. SEWING MACHINE. Patented Oct. 13, 1931.

Pat. 1,829,227. TAKE-UP MECHANISM FOR SEWING MACHINES. Patented Oct. 27, 1931.

Pat. 1,833,366. SEWING MACHINE. Patented Nov. 24, 1931.

Pat. 1,837,758. WELT SEWING MACHINE. Patented Dec. 22, 1931.

Pat. 1,838,088. SEWING MACHINE. Patented Dec. 29, 1931.

Pat. 1,839,390. LOCKSTITCH SHOE SEWING MACHINE. Patented Jan. 5, 1932.

Pat. 1,840,387. WAX THREAD SEWING MACHINE. Patented Jan. 12, 1932.

Pat. 1,840,401. CAST-OFF. Patented Jan. 12, 1932.

Pat. 1,840,480. SEWING MACHINE. Patented Jan. 12, 1932.

Pat. 1,843,649. LUBRICATING DEVICE FOR NEEDLES. Patented Feb. 2, 1932.

Pat. 1,844,730. LASTING AND SEWING MACHINE. Patented Feb. 9, 1932.

Pat. 1,849,540. COATING MACHINE. Patented Mar. 15, 1932.

Pat. 1,850,611. TENSION DEVICE FOR SEWING MACHINES. Patented Mar. 22, 1932.

Pat. 1,861,653. MACHINE FOR OPERATING ON STITCHDOWN SHOES. Patented June 7, 1932.

Pat. 1,865,009. MACHINE FOR OPERATING UPON SHOES. Patented June 28, 1932.

Pat. 1,866,003. WELT TEMPERING MECHANISM. Patented July 5, 1932.

Pat. 1,868,724. CHAIN STITCH SEWING MACHINE. Patented July 26, 1932.

Pat. 1,883,812. SHUTTLE FOR SEWING MACHINES. Patented Oct. 18, 1932.

Pat. 1,887,136. AUTOMATIC SHOE MACHINE. Patented Nov. 8, 1932.

Pat. 1,887,638. SEWING MACHINE. Patented Nov. 15, 1932.

Pat. 1,889,025. SEWING MACHINE. Patented Nov. 29, 1932.

Pat. 1,893,789. WELT TEMPERING DEVICE FOR SHOE SEWING MACHINES. Patented Jan. 10, 1933.

Pat. 1,894,399. SEWING MACHINE. Patented Jan. 17, 1933.

Pat. 1,896,211. SEWING MACHINE. Patented Feb. 7, 1933.

Pat. 1,898,521. SHOE SEWING MACHINE. Patented Feb. 21, 1933.

Pat. 1,905,032. SEWING MACHINE SHUTTLE. Patented Apr. 25, 1933.

Pat. 1,905,074. SHOE SEWING MACHINE. Patented Apr. 25, 1933.

Pat. 1,907,434. SEWING MACHINE. Patented May 9, 1933.

Pat. 1,908,416. SEWING MACHINE. Patented May 9, 1933.

Pat. 1,911,050. SEWING MACHINE. Patented May 23, 1933.

Pat. 1,912,150. SHOE SEWING MACHINE. Patented May 30, 1933.

Pat. 1,914,552. SEWING MACHINE. Patented June 20, 1933.

Pat. 1,915,909. BACK GAUGE MECHANISM FOR SHOE SEWING MACHINES. Patented June 27, 1933.

Pat. 1,916,388. MACHINE FOR SEWING BAG CORNERS. Patented July 4, 1933.

Pat. 1,919,410. SEWING MACHINE. Patented July 25, 1933.

Pat. 1,920,252. PRESSER FOOT MECHANISM. Patented Aug. 1, 1933.

Pat. 1,920,643. SEWING MACHINE. Patented Aug. 1, 1933.

Pat. 1,921,897. SHOE SEWING MACHINE. Patented Aug. 8, 1933.

Pat. 1,923,139. SHOE SEWING MACHINE. Patented Aug. 22, 1933.

Pat. 1,923,563. THREAD TREATING APPARATUS FOR SEWING MACHINES. Patented Aug. 22, 1933.

Pat. 1,923,584. THERMOSTATIC WAX POT. Patented Aug. 22, 1933.

Pat. 1,923, 586. SEWING MACHINE. Patented Aug. 22, 1933.

Pat. 1,926,604. SEWING MACHINE. Patented Sept. 12, 1933.

Pat. 1,931,916. SEWING MACHINE. Patented Oct. 24, 1933.

Pat. 1,931,917. SEWING MACHINE. Patented Oct. 24, 1933.

Pat. 1,935,121. NEEDLE FOR FORMING AN ORNAMENTAL SEAM. Patented Nov. 14, 1933.

Pat. 1,936,460. BAG CORNER STITCHING MACHINE. Patented Nov. 21, 1933.

Pat. 1,937,215. LOCKSTITCH SEWING MACHINE Patented Nov. 28, 1933.

Pat. 1,939,945. SHOE SEWING MACHINE. Patented Dec. 19, 1933.

Pat. 1,941,942. SEWING MACHINE Patented Jan. 2, 1934.

Pat. 1,941,943. SEWING MACHINE. Patented Jan. 2, 1934.

Pat. 1,949,548. BAG CORNER SEWING MACHINE. Patented Mar. 6, 1934.

Pat. 1,949,768. SHOE SEWING MACHINE. Patented Mar. 6, 1934.

Pat. 1,950,570. SEWING MACHINE. Patented Mar. 13, 1934.

Pat. 1,951,179. SHOE SEWING MACHINE. Patented Mar. 13, 1934.

Pat. 1,951,370. WELT SEWING MACHINE. Patented Mar. 20, 1934.

Pat. 1,953,965. STOPPING MECHANISM FOR SEWING MACHINES. Patented Apr. 19, 1934.

Pat. 1,954,821. SEWING MACHINE. Patented Apr. 17, 1934.

Pat. 1,958,543. SEWING MACHINE. Patented May 15, 1934.

Pat. 1,962,007. THERMOSTATIC WAX POT. Patented June 5, 1934.

Pat. 1,967,612. SEWING MACHINE. Patented July 24, 1934.

Pat. 1,972,970. WELT TEMPERING DEVICE. Patented Sept. 11, 1934.

Pat. 1,972,992. BAG SEWING MACHINE. Patented Sept. 11, 1934.

Pat. 1,976,017. LOCKING THREAD MECHANISM. Patented Oct. 9, 1934.

Pat. 1,977,355. SEWING MACHINE. Patented Oct. 16, 1934.

Pat. 1,978,850. COP WINDING. Patented Oct. 30, 1934.

Pat. 1,981,868. SHOE SEWING MACHINE. Patented Nov. 27, 1934.

Pat. 1,981,940. WELT TEMPERING MECHANISM FOR SHOE SEWING MACHINES. Patented Nov. 27, 1934.

Pat. 1,983,161. THREAD SUPPLY AND HANDLING DEVICE. Patented Dec. 4, 1934.

Pat. 1,985,605. THREAD CUTTER DEVICE FOR SEWING MACHINES. Patented Dec. 25, 1934.

Pat. 1,990,537. INSEAM SHOE SEWING MACHINE. Patented Feb. 12, 1935.

Pat. 1,993,597. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. Patented Mar. 5, 1935.

Pat. 1,993,634. SHOE MACHINE. Patented Mar. 5, 1935.

Pat. 1,996,137. THREAD WAXING DEVICE. Patented Apr. 2, 1935.

Pat. 1,996,399. SEWING MACHINE. Patented Apr. 2, 1935.

Pat. 1,999,302. SEWING MACHINE. Patented Apr. 30, 1935.

Pat. 2,000,254. LOCKSTITCH SEWING MACHINE. Patented May 7, 1935.

Pat. 2,000,613. SEWING MACHINE. Patented May 7, 1935.

Pat. 2,001,289. SHOE SEWING MACHINE. Patented May 14, 1935.

Pat. 2,001,308. SHOE SEWING MACHINE. Patented May 14, 1935.

Pat. 2,003,526. OUTSOLE SHOE SEWING MACHINE. Patented June 4, 1935.

Pat. 2,009,871. SHOE SEWING MACHINE. Patented July 30, 1935.

Pat. 2,010,719. SHOE SEWING MACHINE. Patented Aug. 6, 1935.

Pat. 2,011,604. SEWING MACHINE. Patented Aug. 20, 1935.

Pat. 2,013,751. SEWING MACHINE. Patented Sept. 10, 1935.

Pat. 2,015,654. SEWING MACHINE. Patented Oct. 1, 1935.

Pat. 2,022,754. SEWING MACHINE. Patented Dec. 3, 1935.

Pat. 2,028,535. THERMOSTATIC WAX POT. Patented Jan. 21, 1936.

Pat. 2,029,099. SEWING MACHINE. Patented Jan. 28, 1936.

Pat. 2,031,479. SHOE SEWING MACHINE. Patented Feb. 18, 1936.

Pat. 2,032,311. SEWING MACHINE. Patented Feb. 25, 1936.

Pat. 2,033,496. SHOE MACHINE. Patented Mar. 10, 1936.

Pat. 2,033,674. SEWING MACHINE. Patented Mar. 10, 1936.

Pat. 2,037,721. SHOE SEWING MACHINE. Patented Apr. 21, 1936.

Pat. 2,038,282. SHOE SEWING MACHINE. Patented Apr. 21, 1936.

Pat. 2,038,283. LOCKSTITCH SHOE SEWING MACHINE. Patented Apr. 21, 1936.

Pat. 2,040,459. METHOD AND MACHINE FOR SEWING SAHARA SANDALS. Patented May 12, 1936.

Pat. 2,043,219. SHOE SEWING MACHINE. Patented June 9, 1936.

Pat. 2,045,643. SEWING MACHINE. Patented June 30, 1936.

Pat. 2,045,644. SEWING MACHINE. Patented June 30, 1936.

Pat. 2,046,070. SEWING MACHINE. Patented June 30, 1936.

Pat. 2,050,499. MACHINE FOR OPERATING UPON SHOES. Patented Aug. 11, 1936.

Pat. 2,058,472. SHOE SEWING MACHINE. Patented Oct. 27, 1936.

Pat. 2,062,797. SEWING MACHINE. Patented Dec. 1, 1936.

Pat. 2,066,373. LOCKSTITCH SEWING MACHINE Patented Jan. 5, 1937.

Pat. 2,067,649. SEWING MACHINE. Patented Jan. 12, 1937.

Pat. 2,068,671. SEWING MACHINE. Patented Jan. 26, 1937.

Pat. 2,078,942. DRIVING AND STOPPING MECHANISM. Patented May 4, 1937.

Pat. 2,085,562. SHOE SEWING MACHINE. Patented June 29, 1937.

Pat. 2,087,612. SEWING MACHINE. Patented July 20, 1937.

Pat. 2,091,997. SHOE SEWING MACHINE. Patented Sept. 7, 1937.

Pat. 2,094,030. LOCKSTITCH SHOE SEWING MACHINE. Patented Sept. 28, 1937.

Pat. 2,097,462. SHOE SEWING MACHINE. Patented Nov. 2, 1937.

Pat. 2,098,251. SHOE SEWING MACHINE. Patented Nov. 9, 1937.

Pat. 2,098,298. SHOE SEWING MACHINE. Patented Nov. 9, 1937.

Pat. 2,098,327. LOCKSTITCH SEWING MACHINE. Patented Nov. 9, 1937.

Pat. 2,115,907. WELT GUIDE. Patented May 3, 1938.

Pat. 2,121,652. TAKE-UP MECHANISM FOR SEWING MACHINES. Patented June 21, 1938.

Pat. 2,136,590. SHOE SEWING MACHINE. Patented Nov. 15, 1938.

Pat. 2,138,403. DRIVING AND STOPPING MECHANISM. Patented Nov. 29, 1938.

Pat. 2,144,766. SHOE SEWING MACHINE. Patented Jan. 24, 1939.

Pat. 2,148,197. SEWING MACHINE. Patented Feb. 21, 1939.

Pat. 2,149,456. SEWING MACHINE. Patented Mar. 7, 1939.

Pat. 2,158,134. STOPPING MECHANISM FOR SEWING MACHINES. Patented May 16, 1939.

Pat. 2,159,166. LOCK STITCH SHOE SEWING MACHINE. Patented May 23, 1939.

Pat. 2,160,105. SHOE SEWING MACHINE. Patented May 30, 1939.

Pat. 2,160,384. SEWING MACHINE. Patented May 30, 1939.

Pat. 2,162,406. SHOE SEWING MACHINE. Patented June 13, 1939.

Pat. 2,168,568. SEWING MACHINE. Patented Aug. 8, 1939.

Pat. 2,170,094. METHOD OF AND MACHINE FOR MAKING BAGS. Patented Aug. 22, 1939.

Pat. 2,170,554. NEEDLE-LUBRICATING MECHANISM. Patented Aug. 22, 1939.

Pat. 2,173,299. SHOE SEWING MACHINE. Patented Sept. 19, 1939.

Pat. 2,175,056. SHOE SEWING MACHINE Patented Oct. 3, 1939.

Pat. 2,178,531. SEWING MACHINE. Patented Oct. 31, 1939.

Pat. 2,180,423. SEWING MACHINE. Patented Nov. 21, 1939.

Pat. 2,186,604. SEWING MACHINE. Patented Jan. 9, 1940.

Pat. 2,188,093. SEWING MACHINE. Patented Jan. 23, 1940.

Pat. 2,188,683. LUBRICATING MEANS FOR SEWING MACHINES. Patented Jan. 30, 1940.

Pat. 2,190,355. SHOE SEWING MACHINE. Patented Feb. 13, 1940.

Pat. 2,192,166. SHOE SEWING MACHINE. Patented Mar. 5, 1940.

Pat. 2,197,663. SHOE SEWING MACHINE Patented Apr. 16, 1940.

Pat. 2,197,801. LOCK STITCH SEWING MACHINE. Patented Apr. 23, 1940.

Pat. 2,198,391. SHOE SEWING MACHINE. Patented Apr. 23, 1940.

Pat. 2,201,969. THREAD CUTTER FOR SEWING MACHINES. Patented May 21, 1940.

Pat. 2,202,388. SHOE SEWING MACHINE. Patented May 28, 1940.

Pat. 2,204,901. SHOE SEWING MACHINE. Patented June 18, 1940.

Pat. 2,205,383. SEWING MACHINE Patented June 25, 1940.

Pat. 2,207,957. SEWING MACHINE. Patented July 16, 1940.

Pat. 2,208,566. SHOE SEWING MACHINE. Patented July 23, 1940.

Pat. 2,208,999. LOCKING THREAD SUPPLY CASE FOR SEWING MACHINES. Patented July 23, 1940.

Pat. 2,209,455. DRIVING AND STOPPING MECHANISMS. Patented July 30, 1940.

Pat. 2,222,806. SEWING MACHINE. Patented Nov. 26, 1940.

Pat. 2,224,768. SEWING MACHINE. Patented Dec. 10, 1940.

Pat. 2,225,301. WORK CHANNELING DEVICE FOR SHOE SEWING MACHINES. Patented Dec. 17, 1940.

Pat. 2,226,401. WAX THREAD SHOE SEWING MACHINE. Patented Dec. 24, 1940.

Pat. 2,229,444. SHOE SEWING MACHINE. Patented Jan. 21, 1941.

Pat. 2,229,458. SEWING MACHINE. Patented Jan. 21, 1941.

Pat. 2,239,603. DRIVING AND STOPPING MECHANISM FOR SHOE SEWING MACHINES. Patented Apr. 22, 1941.

Pat. 2,243,606. LOCKSTITCH SEWING MACHINE. Patented May 27, 1941.

Pat. 2,247,891. MACHINE FOR OPERATING ON SHOES. Patented July 1, 1941.

Pat. 2,248,347. LOCKING THREAD CASE FOR SEWING MACHINES. Patented July 8, 1941.

Pat. 2,250,939. SHOE SEWING MACHINE. Patented July 29, 1941.

Pat. 2,253,233. SEWING MACHINE. Patented Aug. 19, 1941.

Pat. 2,254,017. SHOE SEWING MACHINE. Patented Aug. 26, 1941.

Pat. 2,263,502. SHUTTLE FOR SEWING MACHINES. Patented Nov. 18, 1941.

Pat. 2,263,777. SHOE SEWING MACHINE. Patented Nov. 25, 1941.

Pat. 2,263,939. SEWING MACHINE. Patented Nov. 25, 1941.

Pat. 2,272,077. SHOE SEWING MACHINE. Patented Feb. 3, 1942.

Pat. 2,274,429. LOCKSTITCH SEWING MACHINE. Patented Feb. 24, 1942.

Pat. 2,278,675. SHOE SEWING MACHINE. Patented Apr. 7, 1942.

Pat. 2,286,139. SHOE SEWING MACHINE. Patented June 9, 1942.

Pat. 2,298,268. SEWING MACHINE. Patented Oct. 13, 1942.

Pat. 2,313,063. SHOE SEWING MACHINE Patented Mar. 9, 1943.

Pat. 2,321,610. WELT FEEDING DEVICE. Patented June 15, 1943.

Pat. 2,327,387. SHOE SEWING MACHINE. Patented Aug. 24, 1943.

Pat. 2,331,318. SHOE SEWING MACHINE. Patented Oct. 12, 1943.

Pat. 2,332,599. SHOE SEWING MACHINE. Patented Oct. 26, 1943.

Pat. 2,332,657. CHAINSTITCH INSEAM SHOE SEWING MACHINE. Patented Oct. 26, 1943.

Pat. 2,334,299. SEWING MACHINE. Patented Nov. 16, 1943.

Pat. 2,354,731. SHOE SEWING MACHINE. Patented Aug. 1, 1944.

Pat. 2,361,279. SHOE SEWING MACHINE Patented Oct. 24, 1944.

Pat. 2,379,882. THREAD CASE RETAINING DEVICE FOR SEWING MACHINES. Patented July 10, 1945.

Pat. 2,379,985. THREAD WAXING DEVICE. Patented July 10, 1945.

Pat. 2,383,530. SHOE SEWING MACHINE Patented Aug. 28, 1945.

Pat. 2,399,159. SEWING MACHINE. Patented Apr. 30, 1946.

Pat. 2,408,738. MOCCASIN SEWING MACHINE. Patented Oct. 8, 1946.

Pat. 2,411,499. SEWING MACHINE. Patented Nov. 26, 1946.

Pat. 2,416,784. SHOE SOLE SEWING MACHINE. Patented Mar. 4, 1947.

Other Machinery

Pat. 1,771,045. BRAKE MECHANISM Patented July 22, 1930.

Pat. 1,771,621. ABRADING MACHINE. Patented July 29, 1930.

Pat. 1,773,328. COPYING LATHE. Patented Aug. 19, 1930.

Pat. 1,773,907. MACHINE FOR FORMING MATERIAL. Patented Aug. 26, 1930.

Pat. 1,773,908. FORMING MACHINE. Patented Aug. 26, 1930.

Pat. 1,774,508. ABRADING MACHINE. Patented Sept. 2, 1930.

Pat. 1,774,737. DRIVING AND STOPPING MECHANISM. Patented Sept. 2, 1930.

Pat. 1,776,260. STRIP FEEDING DEVICE. Patented Sept. 23, 1930.

Pat. 1,776,389. FOLDING MACHINE. Patented Sept. 23, 1930.

Pat. 1,776,390. FOLDING MACHINE Patented Sept. 23, 1930.

Pat. 1,776,426. METHOD OF AND MACHINE FOR FOLD-SHEET MATERIAL. Patented Sept. 23, 1930.

Pat. 1,778,054. SORTING MACHINE. Patented Oct. 14, 1930.

Pat. 1,780,195. SHEET SEPARATING APPARATUS. Patented Nov. 4, 1930.

Pat. 1,783,232. WASHER LOADING DEVICE Patented Dec. 2, 1930.

Pat. 1,783,233. WASHER LOADING DEVICE. Patented Dec. 2, 1930.

Pat. 1,783,951. PATTERN COPYING MACHINE Patented Dec. 9, 1930.

Pat. 1,788,459. MECHANISM FOR FEEDING STRIPS. Patented Jan. 13, 1931.

Pat. 1,791,176. DRIVING AND STOPPING MECHANISM Patented Feb. 3, 1931.

Pat. 1,797,261. DUST COLLECTOR. Patented Mar. 24, 1931.

Pat. 1,801,365. PATTERN GRADING MACHINE Patented Apr. 21, 1931.

Pat. 1,807,195. PATTERN GRADING MACHINE. Patented May 26, 1931.

Pat. 1,808,806. APPARATUS FOR NAIL SORTING. Patented June 9, 1931.

Pat. 1,815,289. CONTROLLING SYSTEM. Patented July 21, 1931.

Pat. 1,816,153. MEASURING MACHINE. Patented July 28, 1931.

Pat. 1,822,921. NAIL SORTING MACHINE. Patented Sept. 15, 1931.

Pat. 1,824,959. MACHINE FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Sept. 29, 1931.

Pat. 1,825,695. NAIL PLATE FEEDER. Patented Oct. 6, 1931.

Pat. 1,826,759. CONVEYING SYSTEM. Patented Oct. 13, 1931.

Pat. 1,826,855. WORK PRESENTING DEVICE. Patented Oct. 13, 1931.

Pat. 1,827,753. SHEET SEPARATING APPARATUS. Patented Oct. 20, 1931.

Pat. 1,828,915. BUTTONHOLE MAKING MACHINE. Patented Oct. 27, 1931.

Pat. 1,830,605. CONTROLLING MECHANISM. Patented Nov. 3, 1931.

Pat. 1,831,918. MACHINE FOR AND METHOD OF TREATING MATERIAL. Patented Nov. 17, 1931.

Pat. 1,834,082. CLUTCH MECHANISM. Patented Dec. 1, 1931.

Pat. 1,838,428. FOLDING MACHINE. Patented Dec. 29, 1931.

Pat. 1,838,464. MACHINE FOR MAKING CASES FOR BOOKS. Patented Dec. 29, 1931.

Pat. 1,844,981. PATTERN COPYING MACHINE Patented Feb. 16, 1932.

Pat. 1,845,051. FEEDING MECHANISM. Patented Feb. 16, 1932.

Pat. 1,846,324. STACKING APPARATUS Patented Feb. 23, 1932.

Pat. 1,847,273. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Mar. 1, 1932.

Pat. 1,849,237. CONVEYER. Patented Mar. 15, 1932.

Pat. 1,850,098. ABRADING MACHINE. Patented Mar. 22, 1932.

Pat. 1,850,151. WORK-FORWARDING SYSTEM. Patented Mar. 22, 1932.

Pat. 1,851,454. STACKING APPARATUS. Patented Mar. 29, 1932.

Pat. 1,853,149. TREADLE MECHANISM. Patented Apr. 12, 1932.

Pat. 1,853,495. TREADLE MECHANISM. Patented Apr. 12, 1932.

Pat. 1,854,199. SEPARATING APPARATUS. Patented Apr. 19,1932.

Pat. 1,856,130. CUTTING MACHINE. Patented May 3, 1932.

Pat. 1,858,297. ABRADING MACHINE. Patented May 17, 1932.

Pat. 1,858,462. COPYING LATHE. Patented May 17, 1932.

Pat. 1,860,723. PATTERN COPYING MACHINE. Patented May 31, 1932.

Pat. 1,864,697. SAFETY DEVICE. Patented June 28, 1932.

Pat. 1,882,748. CONTROLLING MECHANISM. Patented Oct. 18, 1932.

Pat. 1,884,246. BELT TIGHTENER. Patented Oct. 25, 1932.

Pat. 1,884,947. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Oct. 25, 1932.

Pat. 1,886,884. DUST SEPARATOR. Patented Nov. 8, 1932.

Pat. 1,887,645. MACHINE FOR FEEDING SHEET MATERIAL. Patented Nov. 15, 1932.

Pat. 1,888,261. SHOE POLISHING MACHINE. Patented Nov. 22, 1932.

Pat. 1,891,273. REELING SYSTEM. Patented Dec. 20, 1932.

Pat. 1,905,735. DRIVING AND STOPPING MECHANISM. Patented Apr. 25, 1933.

Pat. 1,905,835. SHEET SEPARATING APPARATUS. Patented Apr. 25, 1933.

Pat. 1,912,495. MACHINE FOR OPERATING ON SHEET MATERIAL. Patented June 6, 1933.

Pat. 1,930,482. CLUTCH. Patented Oct. 17, 1933.

Pat. 1,930,591. PUNCHING APPARATUS. Patented Oct. 17, 1933.

Pat. 1,933,581. GRINDING APPARATUS. Patented Nov. 7, 1933.

Pat. 1,935,850. PIVOTAL CONNECTION. Patented Nov. 21, 1933.

Pat. 1,936,920. CUTTER GRINDING MACHINE. Patented Nov. 28, 1933.

Pat. 1,936,940. NAIL STRIP FEEDER. Patented Nov. 28, 1933.

Pat. 1,939,321. STOPPING MECHANISM. Patented Dec. 12, 1933.

Pat. 1,949,532. COATING MACHINE. Patented Mar. 6, 1934.

Pat. 1,950,550. CASE-MAKING MACHINE. Patented Mar. 13, 1934.

Pat. 1,958,537. MACHINE FOR MAKING COVERS OF CASES OF BOOKS. Patented May 15, 1934.

Pat. 1,959,579. STARTING AND STOPPING MECHANISM. Patented May 22, 1934.

Pat. 1,961,401. MECHANISM FOR FEEDING SIGNATURES. Patented June 5, 1934.

Pat. 1,961,596. MOLDING APPARATUS. Patented June 5, 1934.

Pat. 1,962,233. ART OF SEPARATING PATENT LEATHER SURFACES. Patented June 12, 1934.

Pat. 1,963,179. APPARATUS FOR REELING RUBBER STOCK. Patented June 19, 1934.

Pat. 1,968,881. LABEL AFFIXING MACHINE. Patented Aug. 7, 1934.

Pat. 1,969,838. STARTING AND STOPPING MECHANISM. Patented Aug. 14, 1934.

Pat. 1,972,998. DRIVING AND STOPPING MECHANISM. Patented Sept. 11, 1934.

Pat. 1,976,043. SEAM IRONING MACHINE. Patented Oct. 9, 1934.

Pat. 1,978,004. TRANSFERRING SYSTEM. Patented Oct. 23, 1934.

Pat. 1,978,005. TRANSFERRING SYSTEM. Patented Oct. 23, 1934.

Pat. 1,978,526. DRIVING MECHANISM. Patented Oct. 30, 1934.

Pat. 1,993,109. APPARATUS FOR USE IN THE TREATMENT OF HIDES, SKINS, AND LEATHER. Patented Mar. 5, 1935.

Pat. 1,996,127. MACHINE FOR OPERATING UPON SHEET MATERIAL. Patented Apr. 2, 1935.

Pat. 1,999,294. BOOK COVER CEMENTING MACHINE. Patented Apr. 30, 1935.

Pat. 2,001,814. ARTICLE TRANSFERRING MECHANISM. Patented May 21, 1935.

Pat. 2,001,823. LUBRICATION OF BEARINGS. Patented May 21, 1935.

Pat. 2,006,441. DRUM FOR TREATING PIECES OF WORK. Patented July 2, 1935.

Pat. 2,006,451. RECEPTACLE HOLDER. Patented July 2, 1935.

Pat. 2,015,755. MACHINE FOR USE IN TREATING HIDES, SKINS, LEATHER AND OTHER SIMILAR PIECES OF WORK. Patented Oct. 1, 1935.

Pat. 2,018,613. DIE PRESS. Patented Oct. 22, 1935.

Pat. 2,021,220. DRIVING MECHANISM. Patented Nov. 19, 1935.

Pat. 2,021,964. STARTING AND STOPPING DEVICE. Patented Nov. 26, 1935.

Pat. 2,024,293. DRIVING AND STOPPING MECHANISM. Patented Dec. 17, 1935.

Pat. 2,031,871. LUBRICATING SYSTEM. Patented Feb. 25, 1936.

Pat. 2,044,501. STARTING AND STOPPING MECHANISM. Patented June 16, 1936.

Pat. 2,046,462. POWER TRANSMISSION MECHANISM. Patented July 7, 1936.

Pat. 2,048,839. TACK MAKING MACHINE. Patented July 28, 1936.

Pat. 2,071,296. DRIER FOR SHEET MATERIAL. Patented Feb. 16, 1937.

Pat. 2,080,544. STARTING AND STOPPING MECHANISM. Patented May 18, 1937.

Pat. 2,085,427. TREADLE MECHANISM. Patented June 29, 1937.

Pat. 2,086,726. ART OF TREATING SKINS. Patented July 13, 1937.

Pat. 2,090,661. STARTING AND STOPPING MECHANISM. Patented Aug. 24, 1937.

Pat. 2,101,866. MEANS AND METHOD FOR SOFTENING HIDES AND SKINS. Patented Dec. 14, 1937.

Pat. 2,106,267. MACHINE FOR USE IN THE MANUFACTURE OF WOVEN MATERIAL. Patented Jan. 25, 1938.

Pat. 2,119,617. CONTROL MECHANISM. Patented June 7, 1938.

Pat. 2,125,973. MEASURING MACHINE. Patented Aug. 9, 1938.

Pat. 2,150,264. PUTTING-OUT MACHINE. Patented Mar. 14, 1939.

Pat. 2,156,381. POLISHING MACHINE. Patented May 2, 1939.

Pat. 2,158,192. CLUTCH MECHANISM. Patented May 16, 1939.

Pat. 2,162,795. GRINDING APPARATUS. Patented June 20, 1939.

Pat. 2,167,045. STACKING MECHANISM. Patented July 25, 1939.

Pat. 2,173,155. CONNECTING MEANS. Patented Sept. 19, 1939.

Pat. 2,182,521. CLUTCH MECHANISM. Patented Dec. 12, 1939.

Pat. 2,187,826. MACHINE FOR CUTTING SHOE TREEING STICKS. Patented Jan. 23, 1940.

Pat. 2,196,195. SAFETY GUARD FOR POWER PRESSES AND THE LIKE. Patented Apr. 9, 1940.

Pat. 2,204,258. NIBBLING MACHINE. Patented June 11, 1940.

Pat. 2,205,622. SPEED CONTROLLING DEVICE. Patented June 25, 1940.

Pat. 2,209,389. KNIFE SHARPENING DEVICE. Patented July 30, 1940.

Pat. 2,210,051. VIBRATION ABSORBING MECHANISM. Patented Aug. 6, 1940.

Pat. 2,211,812. APPARATUS FOR THE DISPOSAL OF DUST. Patented Aug. 20, 1940.

Pat. 2,232,805. BRUSHING MACHINE. Patented Feb. 25, 1941.

Pat. 2,237,185. STARTING AND STOPPING MECHANISM. Patented Apr. 1, 1941.

Pat. 2,237,416. CUTTING MACHINE. Patented Apr. 8, 1941.

Pat. 2,241,506. PIVOTAL JOINT. Patented May 13, 1941.

Pat. 2,247,515. SAFETY DEVICE FOR PRESSES AND THE LIKE. Patented July 1, 1941.

Pat. 2,251,470. ROTARY TOOLHOLDER. Patented Aug. 5, 1941.

Pat. 2,251,971. PRESS. Patented Aug. 12, 1941.

Pat. 2,253,612. PULLEY. Patented Aug. 26, 1941.

Pat. 2,260,301. FLUID DELIVERY DEVICE. Patented Oct. 28, 1941.

Pat. 2,262,792. FORM-FOLDING MACHINE. Patented Nov. 18, 1941.

Pat. 2,271,548. CLUTCH. Patented Feb. 3, 1942.

Pat. 2,274,114. MACHINE FOR OPERATING UPON HIDES, SKINS, LEATHER, AND OTHER SHEET MATERIAL. Patented Feb. 24, 1942.

Pat. 2,285,534. MECHANICAL MOVEMENT. Patented June 9, 1942.

Shoes, Shoe Parts, and Shoemaking Methods

Pat. 1,769,449. FOOTWEAR. Patented July 1, 1930.

Pat. 1,770,990. COVERED HEEL AND METHOD OF MAKING THE SAME. Patented July 22, 1930.

Pat. 1,772,059. SHOEMAKING. Patented Aug. 5, 1930.

Pat. 1,773,377. MANUFACTURE OF RUBBER TREADS FOR FOOTWEAR. Patented Aug. 19, 1930.

Pat. 1,774,746. SHOE STIFFENER. Patented Sept. 2, 1930.

Pat. 1,775,131. SHOE AND THE MANUFACTURE THEREOF. Patented Sept. 9, 1930.

Pat. 1,775,647. HEEL END OF SHOES AND METHOD OF MAKING THE SAME. Patented Sept. 16, 1930.

Pat. 1,776,429. METHOD OF ANCHORING STAPLES AND PRODUCT THEREOF. Patented Sept. 23, 1930.

Pat. 1,776,430. METHOD OF MAKING SHOES. Patented Sept. 23, 1930.

Pat. 1,776,824. ART OF MAKING SHOES. Patented Sept. 30, 1930.

Pat. 1,777,471. HEEL. Patented Oct. 7, 1930.

Pat. 1,778,951. COATING BOOT AND SHOE PARTS. Patented Oct. 21, 1930.

Pat. 1,779,368. METHOD OF CAUSING ARTICLES TO ADHERE TO ONE ANOTHER. Patented Oct. 21, 1930.

Pat. 1,781,907. ATTACHMENT OF TOP LIFTS TO WOOD HEELS. Patented Nov. 18, 1930.

Pat. 1,782,466. INSOLE. Patented Nov. 25, 1930.

Pat. 1,782,759. ART OF MAKING SHOES. Patented Nov. 25, 1930.

Pat. 1,783,980. CUSHION TREAD FOR FOOTWEAR. Patented Dec. 9, 1930.

Pat. 1,784,455. METHOD OF LEVELING SHOES. Patented Dec. 9, 1930.

Pat. 1,784,940. ART OF MAKING SHOES. Patented Dec. 16, 1930.

Pat. 1,785,829. ART OF MANUFACTURING SHOES. Patented Dec. 23, 1930.

Pat. 1,786,030. ART OF SHOEMAKING. Patented Dec. 23, 1930.

Pat. 1,789,296. SHOE HEEL AND METHOD OF MANUFACTURING THE SAME. Patented Jan. 20, 1931.

Pat. 1,789,297. SHOE HEEL. Patented Jan. 20, 1931.

Pat. 1,790,191. METHOD FOR USE IN THE MANUFACTURE OF SHOES. Patented Jan. 27, 1931.

Pat. 1,792,527. SHOE AND HEEL. Patented Feb. 17, 1931.

Pat. 1,793,548. METHOD FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. Patented Feb. 24, 1931.

Pat. 1,798,355. HEEL MEMBER FOR BOOTS AND SHOES. Patented Mar. 31, 1931.

Pat. 1,799,274. BOOT AND SHOE SOLE. Patented Apr. 7, 1931.

Pat. 1,804,396. METHOD OF INSERTING FASTENINGS. Patented May 12, 1931.

Pat. 1,804,430. METHOD OF COVERING HEELS. Patented May 12, 1931.

Pat. 1,806,641. LOADED RUBBER HEEL. Patented May 26, 1931.

Pat. 1,811,911. SHOE AND SHANK STIFFENER THEREFOR. Patented June 30, 1931.

Pat. 1,811,912. SHOE AND SHANK STIFFENER THEREFOR. Patented June 30, 1931.

Pat. 1,816,386. SHOE AND SHOEMAKING. Patented July 28, 1931.

Pat. 1,816,902. METHOD OF OPERATING UPON SHOES. Patented Aug. 4, 1931.

Pat. 1,820,915. HEEL AND METHOD OF MAKING AND COVERING THE SAME. Patented Sept. 1, 1931.

Pat. 1,821,939. SHOE STIFFENER AND METHOD OF MAKING THE SAME. Patented Sept. 8, 1931.

Pat. 1,825,871. METHOD OF ASSEMBLING THE UPPERS OF RUBBER SHOES. Patented Oct. 6, 1931.

Pat. 1,829,787. METHOD OF MANUFACTURING TURN SHOES. Patented Nov. 3, 1931.

Pat. 1,834,677. METHOD OF TRIMMING HEEL COVERS. Patented Dec. 1, 1931.

Pat. 1,833,953. MANUFACTURE OF SHOES. Patented Dec. 1, 1931.

Pat. 1,836,240. HEEL BASE. Patented Dec. 15, 1931.

Pat. 1,837,282. SHOE AND METHOD OF MAKING THE SAME. Patented Dec. 22, 1931.

Pat. 1,838,807. METHOD OF MAKING WOOD HEELS. Patented Dec. 29, 1931.

Pat. 1,846,346. SHOE STIFFENER. Patented Feb. 23, 1932.

Pat. 1,847,287. TURN SHOE AND SHANK PIECE THEREFOR. Patented Mar. 1, 1932.

Pat. 1,847,290. COVERED HEEL AND METHOD OF MAKING SAME. Patented Mar. 1, 1932.

Pat. 1,849,247. HEEL. Patented Mar. 15, 1932.

Pat. 1,852,018. STIFFENER FOR BOOTS AND SHOES AND METHOD OF MAKING THE STIFFENER. Patented Apr. 5, 1932.

Pat. 1,853,027. SHANK PIECE FOR SHOES. Patented Apr. 12, 1932.

Pat. 1,855,226. METHOD OF MAKING TENNIS SHOES. Patented Apr. 26, 1932.

Pat. 1,859,452. SHOE STIFFENER AND SHOE. Patented May 24, 1932.

Pat. 1,861,662. HEEL AND METHOD OF MAKING THE SAME. Patented June 7, 1932.

Pat. 1,861,686. METHOD OF INCORPORATING SOCK LININGS IN SHOES. Patented June 7, 1932.

Pat. 1,862,878. HEEL AND HEEL COVERING AND METHOD OF MAKING THE SAME. Patented June 14, 1932.

Pat. 1,863,690. SHANK STIFFENER. Patented June 21, 1932.

Pat. 1,863,752. METHOD OF LASTING SHOES. Patented June 21, 1932.

Pat. 1,864,629. MANUFACTURE OF SHOES. Patented June 28, 1932.

Pat. 1,869,482. METHOD OF AND APPARATUS FOR PREPARING CLOSED UPPERS. Patented Aug. 2, 1932.

Pat. 1,871,890. METHOD OF MAKING RUBBER SHOES. Patented Aug. 16, 1932.

Pat. 1,872,325. ART OF MAKING SHOES. Patented Aug. 16, 1932.

Pat. 1,881,178. METHOD OF LACING SHOE UPPERS. Patented Oct. 4, 1932.

Pat. 1,883,421. BINDING STRIP FOR PARTS OF BOOTS AND SHOES. Patented Oct. 18, 1932.

Pat. 1,884,937. SHANK STIFFENER AND METHOD OF MAKING THE SAME. Patented Oct. 25, 1932.

Pat. 1,885,197. METHOD OF MAKING SHOES. Patented Nov. 1, 1932.

Pat. 1,885,257. METHOD OF MAKING SHOES AND HEELS. Patented Nov. 1, 1932.

Pat. 1,885,574. PROCESS OF MAKING SHOES. Patented Nov. 1, 1932.

Pat. 1,889,205. ART OF MAKING SHOES. Patented Nov. 29, 1932.

Pat. 1,889,245. HEEL AND HEEL COVERING AND METHOD OF MAKING THE SAME. Patented Nov. 29, 1932.

Pat. 1,890,118. BOOT OR SHOE SOLE. Patented Dec. 6, 1932.

Pat. 1,891,260. MANUFACTURE OF TURN SHOES. Patented Dec. 12, 1932.

Pat. 1,894,291. SHOE AND METHOD OF MAKING THE SAME. Patented Jan. 17, 1933.

Pat. 1,895,467. ART OF MAKING SHOE STIFFENERS. Patented Jan. 31, 1933.

Pat. 1,896,017. METHOD OF SMOOTHING SHOE PARTS. Patented Jan. 31, 1933.

Pat. 1,897,527. METHOD OF MAKING SHOES Patented Feb. 14, 1933.

Pat. 1,901,144. HEEL. Patented Mar. 14, 1933.

Pat. 1,902,848. COVERING BREASTS OF HEELS. Patented Mar. 28, 1933.

Pat. 1,905,205. SHOE AND THE MANUFACTURE THEREOF. Patented Apr. 25, 1933.

Pat. 1,912,499. SHOE AND METHOD OF MAKING THE SAME. Patented June 6, 1933.

Pat. 1,913,424. SHOE AND SHANK PIECE AND METHOD OF MAKING SHOES. Patented June 13, 1933.

Pat. 1,913,476. SHOE AND SHANK PIECE THEREFOR. Patented June 13, 1933.

Pat. 1,917,485. SHOE SHANK STIFFENER. Patented July 11, 1933.

Pat. 1,920,383. SHANK PIECE AND METHOD OF MAKING SHOES. Patented Aug. 1, 1933.

Pat. 1,921,083. METHOD OF CEMENTING SOLES. Patented Aug. 8, 1933.

Pat. 1,923,168. METHOD OF MAKING WOVEN FABRICS. Patented Aug. 22, 1933.

Pat. 1,923,169. SHOE SOLE AND METHOD OF MAKING THE SAME. Patented Aug. 22, 1933.

Pat. 1,925,218. HEEL. Patented Sept. 5, 1933.

Pat. 1,926,161. SHOE STIFFENER AND METHOD OF MANUFACTURING THE SAME. Patented Sept. 12, 1933.

Pat. 1,930,596. METHOD OF PREPARING SOLES FOR BOOTS AND SHOES. Patented Oct. 17, 1933.

Pat. 1,931,612. ART OF MAKING SHOES. Patented Oct. 24, 1933.

Pat. 1,936,919. METHOD OF REDUCING THE SHANK PORTIONS OF SOLES. Patented Nov. 28, 1933.

Pat. 1,936,955. SHOE AND SHANK STIFFENER AND METHOD OF ATTACHING THE LATTER. Patented Nov. 28, 1933.

Pat. 1,937,826. MANUFACTURE OF SHOES. Patented Dec. 5, 1933.

Pat. 1,942,652. SHOE. Patented Jan. 9, 1934.

Pat. 1,943,412. HEEL AND METHOD OF MAKING THE SAME. Patented Jan. 16, 1934.

Pat. 1,943,443. METHOD OF COATING SHEET MATERIAL Patented Jan. 16, 1934.

Pat. 1,944,314. SHOE AND SHOE BOTTOM UNIT. Patented Jan. 23, 1934.

Pat. 1,944,805. WELTING. Patented Jan. 23, 1934.

Pat. 1,945,650. STIFFENER FOR FOOTWEAR AND METHOD OF PREPARING THE SAME. Patented Feb. 6, 1934.

Pat. 1,946,770. METHOD OF MAKING CORED HEELS. Patented Feb. 13, 1934.

Pat. 1,947,031. INSOLE AND PROCESS OF MAKING SHOES THEREWITH. Patented Feb. 13, 1934.

Pat. 1,949,940. SHOE HEEL. Patented Mar. 6, 1934.

Pat. 1,951,372. METHOD OF MAKING SHOES. Patented Mar. 20, 1934.

Pat. 1,951,474. METHOD OF SECURING SHOE PARTS TOGETHER. Patented Mar. 20, 1934.

Pat. 1,951,493. METHOD OF MANUFACTURING SHOES. Patented Mar. 20, 1934.

Pat. 1,952,631. METHOD OF MANUFACTURING SHOES AND WELT FOR USE THEREIN. Patented Mar. 27, 1934.

Pat. 1,956,693. SHOE AND MANUFACTURE THEREOF. Patented May 31, 1934.

Pat. 1,957,216. METHOD OF MANUFACTURING SHOES. Patented May 1, 1934.

Pat. 1,959,605. METHOD OF PREPARING SHOE PARTS FOR ADHESIVE ATTACHMENT TO OTHER SHOE PARTS. Patented May 22, 1934.

Pat. 1,962,250. METHOD OF PREPARING OUTERSOLES. Patented June 12, 1934.

Pat. 1,963,577. SHOE AND METHOD OF MAKING SAME Patented June 19, 1934.

Pat. 1,964,806. BOTTOM FILLER. Patented July 3, 1934.

Pat. 1,967,337. METHOD OF SECURING SHOE PARTS TOGETHER. Patented July 24, 1934.

Pat. 1,968,047. HEEL AND METHOD OF MAKING THE SAME. Patented July 31, 1934.

Pat. 1,970,257. METHOD OF SECURING TOGETHER SHOE PARTS AND THE LIKE. Patented Aug. 14, 1934.

Pat. 1,972,597. SHOE AND SHOEMAKING. Patented Sept. 4, 1934.

Pat. 1,973,762. METHOD OF PREPARING SOLES. Patented Sept. 18, 1934.

Pat. 1,974,502. MANUFACTURE OF WELTED SHOES. Patented Sept. 25, 1934.

Pat. 1,975,474. MANUFACTURE OF SHOES. Patented Oct. 2, 1934.

Pat. 1,976,023. METHOD OF MANUFACTURING SHOES. Patented Oct. 9, 1934.

Pat. 1,976,030. METHOD OF MAKING SHOES. Patented Oct. 9, 1934.

Pat. 1,977,906. SHOE AND SHANK PIECE AND METHOD OF MAKING THE SAME. Patented Oct. 23, 1934.

Pat. 1,982,725. SHOE AND METHOD OF MANUFACTURE. Patented Dec. 4, 1934.

Pat. 1,983,592. SOLE FOR SHOES. Patented Dec. 11, 1934.

Pat. 1,985,202. WELTED SHOE AND THE MANUFACTURE THEREOF. Patented Dec. 18, 1934.

Pat. 1,985,892. WELT FOR USE IN THE MANUFACTURE OF SHOES. Patented Jan. 1, 1935.

Pat. 1,986,723. SHOE AND MANUFACTURE THEREOF. Patented Jan. 1, 1935.

Pat. 1,987,808. METHOD OF ATTACHING HEELS TO SHOES. Patented Jan. 15, 1935.

Pat. 1,989,080. MANUFACTURE OF SHOES Patented Jan. 29, 1935.

Pat. 1,989,853. ART OF MAKING RUBBER-SOLED SHOES. Patented Feb. 5, 1935.

Pat. 1,991,444. ARCH SUPPORT. Patented Feb. 19, 1935.

Pat. 1,991,464. SHOE STIFFENER AND METHOD OF MANUFACTURE. Patented Feb. 19, 1935.

Pat. 1,992,213. METHOD OF PREPARING SOLES. Patented Feb. 26, 1935.

Pat. 1,992,968. METHOD OF SECURING TOGETHER PIECES OF STOCK. Patented Mar. 5, 1935.

Pat. 1,993,954. SHOEMAKING. Patented Mar. 12, 1935.

Pat. 1,995,322. HEEL AND METHOD OF COVERING THE SAME. Patented Mar. 26, 1935.

Pat. 1,996,096. METHOD OF MAKING STITCH-DOWN SHOES Patented Apr. 2, 1935.

Pat. 1,996,890. MANUFACTURE OF SHOES. Patented Apr. 9, 1935.

Pat. 1,997,317. HEEL COVERING AND METHOD OF MAKING THE SAME. Patented Apr. 9, 1935.

Pat. 1,997,722. METHOD OF MAKING SHOES. Patented Apr. 16, 1935.

Pat. 1,998,059. MANUFACTURE OF SHOES. Patented Apr. 16, 1935.

Pat. 1,998,455. ART OF MANUFACTURING UNLINED BOOTS AND SHOES. Patented Apr. 23, 1935.

Pat. 1,998,505. ART OF MANUFACTURING SHOES. Patented Apr. 23, 1935.

Pat. 2,004,236. SHOE AND MANUFACTURE THEREOF. Patented June 11, 1935.

Pat. 2,004,425. SHOE AND PROCESS OF MAKING SAME. Patented June 11, 1935.

Pat. 2,005,048. SHOE AND THE MANUFACTURE THEREOF. Patented June 18, 1935.

Pat. 2,005,054. METHOD OF MANUFACTURING SHOES. Patented June 18, 1935.

Pat. 2,005,765. METHOD OF TEMPERING LEATHER SOLES. Patented June 25, 1935.

Pat. 2,007,262. ART OF FINISHING THE EDGES OF FLEXIBLE MATERIAL. Patented July 9, 1935.

Pat. 2,008,071. METHOD OF MAKING SHOES. Patented July 16, 1935.

Pat. 2,010,090. MANUFACTURE OF SHOES. Patented Aug. 6, 1935.

Pat. 2,010,092. ART OF SHOEMAKING. Patented Aug. 6, 1935.

Pat. 2,010,827. METHOD OF MAKING STRIPS FOR INSOLES. Patented Aug. 13, 1935.

Pat. 2,011,696. MANUFACTURE OF SHOES. Patented Aug. 20, 1935.

Pat. 2,012,325. MANUFACTURE OF SHOES. Patented Aug. 27, 1935.

Pat. 2,013,036. METHOD OF MAKING SHOES Patented Sept. 3, 1935.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 12, 1947

[VOL. 601. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 493,424. BEAR HYBRIDS CORN CO., Decatur, Ill. Filed Dec. 17, 1945.

TAPICORN

FOR HYBRID SEED FOR WAXY-MAIZE.
Claims use since Mar. 28, 1945.

Ser. No. 499,756. BERGER-PLATE COMPANY, Beverly Hills, Calif. Filed Apr. 6, 1946.

= FIBRA =

FOR TALC.
Claims use since August 1931.

Ser. No. 502,441. GUY LEE LEATHER CO., INC., Philadelphia, Pa. Filed May 20, 1946.



No claim is made to the word "Oak" apart from the mark.
FOR SOLE LEATHER.
Claims use since Mar. 23, 1945.

Ser. No. 511,597. WM. T. BURNETT & Co., Baltimore, Md. Filed Oct. 28, 1946.

TRI-FUSED

FOR COTTON BATTING.
Claims use since May 28, 1946.

Ser. No. 512,251. GEORGIA KAOLIN COMPANY, Elizabeth, N. J. Filed Nov. 8, 1946.

ALPLASIL

FOR CLAY USED IN PLASTIC MOLDING POWDERS.
Claims use since Sept. 2, 1946.

Ser. No. 512,351. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Nov. 9, 1946.

ESTRON

FOR SYNTHETIC STAPLE FIBER.
Claims use since Oct. 18, 1946.

Ser. No. 512,891. AMERICAN HIDE AND LEATHER COMPANY, Boston, Mass., and elsewhere. Filed Nov. 20, 1946.

AMERIGRAIN

FOR SIDE UPPER LEATHER.
Claims use since Nov. 17, 1931.

Ser. No. 512,954. ATTAPULGUS CLAY COMPANY, Wilmington, Del., and Philadelphia, Pa. Filed Nov. 21, 1946.

DRIZONE

FOR FULLER'S EARTH USED AS POULTRY LITTER OR ANIMAL BEDDING.
Claims use since Oct. 29, 1946.

Ser. No. 513,443. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Nov. 29, 1946.

BLACKHAWK

FOR LEATHER.
Claims use since 1912.

CLASS 2

RECEPTACLES

Ser. No. 520,764. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Apr. 15, 1947.

THERMASTER

FOR INSULATED PICNIC JUGS.
Claims use since Mar. 26, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 517,320. NEWCRAFT LEATHER PRODUCTS CO., New York, N. Y. Filed Feb. 11, 1947.



FOR LADIES' AND MISSES' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Oct. 1, 1946.

Ser. No. 517,793. NASH INC., Jersey City, N. J. Filed Feb. 19, 1947.

The SHADOW

FOR BILL FOLDS, POCKET BOOKS, PURSES, AND WALLETS.
Claims use since Dec. 16, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 495,969. HOOD CHEMICAL CO., INC., New York, N. Y. Filed Feb. 4, 1946.

SEPTO

FOR BOWL CLEANING COMPOUND.
Claims use since Jan. 4, 1946.

Ser. No. 499,411. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo. Filed Apr. 1, 1946.

SURGA-HAN

FOR LIQUID SURGICAL SOAP.
Claims use since March 1945.

Ser. No. 510,781. GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Oct. 12, 1946.

BEGUINE

FOR FACE, BATH, AND LIQUID SOAPS, AND SHAVING CREAMS.
Claims use since Oct. 1, 1946.

CLASS 6

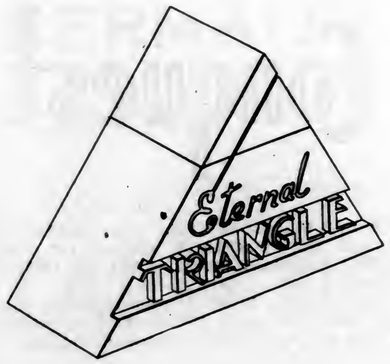
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 472,048. HANS EMANUEL NEUMANN ENOCH, London, England. Filed July 10, 1944.

VIVICILLIN

FOR ANTI-BACTERIAL PREPARATIONS.
Claims use since December 1943.

Ser. No. 475,300. LOUIS J. MISURACA, Glendale, Calif. Filed Oct. 13, 1944.



FOR PERFUME.
Claims use since Sept. 22, 1944.

Ser. No. 481,267. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 24, 1945.

Victorian Keepsake

FOR PERFUMES.
Claims use since Nov. 28, 1944.

Ser. No. 481,650. SAENZ, BRIONES & CIA, Buenos Aires, Argentina. Filed Apr. 2, 1945.

MAYFAIR

FOR ROUGE, LIP STICK, FACE POWDER, FACE CREAMS, COMPACT POWDER, FACIAL SMALT (A SOLID, PASTE, OR LIQUID FOR STAINING OR COLORING THE SKIN).
Claims use since Nov. 28, 1940.

Ser. No. 485,161. SHEFFIELD FARMS COMPANY, INC., New York, N. Y. Filed June 28, 1945.

EDAMIN

FOR AMINO ACID PREPARATIONS USED AS PROTEIN SUPPLEMENTS.
Claims use since May 18, 1945.

Ser. No. 493,692. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 21, 1945.

Kry-o-cide C

FOR INSECTICIDES.
Claims use since Feb. 20, 1945.

Ser. No. 498,624. GENESEE TRADING CO. INC., New York, N. Y. Filed Mar. 20, 1946.

YOLANDE

FOR PERFUMES.
Claims use since Feb. 7, 1946.

Ser. No. 500,960. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois. Filed Apr. 26, 1946.

DOUBLE DARE

FOR COLOGNE AND PERFUME.
Claims use since Jan. 10, 1942.

Ser. No. 506,751. H. STEWART HILL, doing business under the name of Kedron Company, Woodstock, Vt. Filed Aug. 2, 1946.

CALCINBAR

FOR MEDICAL PREPARATION IN COMPRESSED TABLET FORM FOR THE RELIEF OF GASTRIC ACIDITY.
Claims use since June 28, 1946.

Ser. No. 506,788. TYKOR PRODUCTS INC., New York, N. Y. Filed Aug. 2, 1946.

Zylium

FOR SANITIZERS AND GERMICIDES.
Claims use since Apr. 17, 1945.

Ser. No. 506,816. IRRESISTIBLE, INC., New York, N. Y. Filed Aug. 3, 1946.

LORD CALVERT



The portrait is that of Sir George Calvert, Earl of Salisbury, born 1582 and died 1632.
FOR COLOGNE FOR MEN.
Claims use since June 5, 1946.

Ser. No. 506,847. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Aug. 3, 1946.

TEC

FOR CHEMICAL COMPOSITION COMPRISING CELLULOSE ORGANIC ACID ESTER OR MIXED ESTER, IN SOME CASES PLASTICIZER, PIGMENT OR DYE, HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Jan. 1, 1933.

Ser. No. 506,897. ROLLEY, INC., San Francisco, Calif. Filed Aug. 5, 1946.

Décollete'

FOR PERFUMES, COLOGNES, HAND CREAMS, PERFUMED POWDERS AND BODY TALC.
Claims use since Nov. 2, 1945.

Ser. No. 506,948. LEWIS-HUBBARD CORPORATION, Charleston, W. Va. Filed Aug. 6, 1946.

Conquest

FOR LYE FOR HOUSEHOLD USE, BAKING SODA, LAUNDRY GLOSS STARCH, CREAM OF TARTAR, LAUNDRY HYPOCHLORITE BLEACH AND FOOD COLORS.
Claims use since 1926, on cream of tartar, and food colors; since 1936 on lye for household use; since 1943 on baking soda and laundry hypochlorite bleach.

Ser. No. 507,058. IOSEC PRODUCTS, INC., New Brunswick, N. J. Filed Aug. 8, 1946.

IOSEC

FOR BALM FOR FOOT MASSAGE.
Claims use since Aug. 2, 1946.

Ser. No. 507,578. FORREST, INC., New York, N. Y. Filed Aug. 17, 1946.

Hembro

FOR PREPARATION FOR USE IN THE THERAPY OF NUTRITIONAL AND SECONDARY ANEMIAS.
Claims use since Aug. 9, 1946.

Ser. No. 507,581. JOSEPH FRITSCH, Three Oaks, Mich. Filed Aug. 17, 1946.

SAVEALL

FOR POULTRY MEDICINE FOR TREATMENT OF ASPERGILLOSIS, BROODER PNEUMONIA, DIARRHEA, LOOSE BOWEL TROUBLE, MYCOSIS, AND BRONCHITIS.
Claims use since July 31, 1946.

Ser. No. 507,840. PARFUMS VERLAYNE, SOCIÉTÉ A RESPONSABILITÉ LIMITÉE, Paris, France. Filed Aug. 22, 1946.

SERMAIZE

FOR PERFUMES AND TOILET WATERS.
Claims use since Mar. 15, 1945.

Ser. No. 511,514. THE TARNO CO., Manhattan Beach, Calif. Filed Oct. 25, 1946.

TARN-NO

FOR METAL TARNISH PREVENTATIVE.
Claims use since June 19, 1946.

Ser. No. 511,775. U. S. VITAMIN CORPORATION, New York, N. Y. Filed Oct. 30, 1946.

FOLICIN

FOR ONE MEMBER OF THE VITAMIN B COMPLEX WHICH HAS BEEN ISOLATED AND SYNTHESIZED AND KNOWN COMMERCIALLY AS FOLIC ACID.
Claims use since Sept. 30, 1946.

Ser. No. 511,782. AMERICAN HOME PRODUCTS CORPORATION, New York, N. Y., assignor to Ives-Cameron Company, Inc., a corporation of New York. Filed Oct. 31, 1946.

P.H.V.

FOR ENZYMATIC HYDROLYSATE WITH ADDED VITAMINS.
Claims use since Sept. 4, 1946.

Ser. No. 511,840. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Oct. 31, 1946.

RAT-TROL

The word "Rat" is disclaimed apart from the mark.
FOR RODENTICIDE.
Claims use since Sept. 19, 1946.

Ser. No. 512,398. CUTTER LABORATORIES, Berkeley, Calif. Filed Nov. 12, 1946.

Hemseptol

FOR VETERINARY PRODUCT FOR THE TREATMENT OF HEMORRHAGIC SEPTICEMIA.
Claims use since April 1939.

Ser. No. 513,673. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Dec. 4, 1946.

DURASET

FOR CURLING AGENT FOR WOOL FIBERS.
Claims use since Oct. 10, 1946.

Ser. No. 513,675. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Dec. 4, 1946.

SIREZ

FOR SYNTHETIC RESINS FOR GENERAL USE IN THE TREATMENT OF TEXTILES INCLUDING THE DRESSING AND FINISHING OF YARNS, FIBERS AND FABRICS, THE BINDING OF PIGMENTS IN TEXTILE PRINTING, AND THE THICKENING OF TEXTILE PRINTING PASTES.
Claims use since about Oct. 24, 1946.

Ser. No. 514,043. IRIS BEAUTY PRODUCTS, Brooklyn, N. Y. Filed Dec. 11, 1946.

Lustray

The drawing is lined for the color red.
FOR HAIR SHAMPOO AND WAVE LOTION.
Claims use since July 31, 1946.

Ser. No. 515,898. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Jan. 17, 1947.

PHI-O-SOL

FOR WETTING AND EMULSIFYING AGENT AND PENETRANT USED IN THE TEXTILE INDUSTRY AND IN OTHER INDUSTRIES RELATED TO OR ALLIED WITH IT.
Claims use since on or about March 1940.

Ser. No. 516,971. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed Jan. 21, 1947.

SEEDOX

FOR FUNGICIDE.
Claims use since Dec. 5, 1946.

Ser. No. 516,145. MILS, INC., Toledo, Ohio. Filed Jan. 22, 1947.

STYL

FOR VITAMIN AND MINERAL PREPARATIONS.
Claims use since Jan. 17, 1947.

Ser. No. 516,576. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Jan. 29, 1947.

SECRET GARDEN

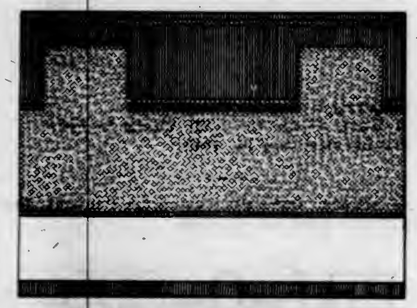
FOR PERFUME.
Claims use since Dec. 20, 1946.

Ser. No. 516,580. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Jan. 29, 1947.

CATTLECILLIN

FOR PENICILLIN.
Claims use since Oct. 21, 1946.

Ser. No. 516,621. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Jan. 30, 1947.



No claim is made to the representation of a label per se. The shading indicates the colors red and yellow-orange.

FOR PREPARATIONS RECOMMENDED FOR GERMICIDAL, BACTERICIDAL, BACTERIOSTATIC, DISINFECTANT, ANTISEPTIC, FUNGICIDAL, MICROBICIDAL AND OTHER PARASITICIDAL PURPOSES; FOR INSECTICIDAL, LARVICIDAL AND INSECT REPELLENT PURPOSES; FOR THE TREATMENT OF WOUNDS, CUTS, ABRASIONS AND OTHER INJURIES OF TRAUMATIC ORIGIN; FOR THE TREATMENT OF BURNS, ALSO SUNBURN AND SNOWBURN; FOR THE TREATMENT OF SKIN DISEASES, AFFECTIONS, IRRITATIONS, RASHES, ITCHES AND INFLAMMATIONS OF PARASITIC, BACTERIAL OR FUNGOUS ORIGIN GENERALLY, AND ESPECIALLY FOR RINGWORM OR ATHLETE'S FOOT; FOR THE CARE AND TREATMENT OF THE HAIR AND SCALP GENERALLY, ALSO FOR COMBATTING AND REMOVING DANDRUFF AND FOR THE TREATMENT OF SCALP ECZEMAS OF DIFFERENT ORIGINS; FOR THE ELIMINATION OF BODY LICE, HEAD LICE, CHIGGERS AND OTHER SIMILAR PARASITIC INSECTS; FOR THE TREATMENT OF SKIN AFFECTIONS, IRRITATIONS, RASHES, ITCHES AND INFLAMMATION OF NON-PARASITIC ORIGIN; FOR THE TREATMENT OF PILES AND IRRITATIVE RECTAL CONDITIONS; FOR THE TREATMENT OF STINGS, BITES AND OTHER INJURIES CAUSED BY INSECTS; FOR THE TREATMENT OF IRRITATIONS AND INFLAMMATIONS DUE TO POISON IVY, POISON OAK, POISON SUMACH, NETTLES AND OTHER IRRITANT PLANTS; FOR THE CARE AND TREATMENT OF THE TEETH AND MOUTH AS A DENTIFRICE, GARGLE AND MOUTH WASH; FOR THE CLEANING AND DISINFECTION OF ARTIFICIAL DENTURES; FOR SPRAYING THE NOSE AND THROAT AND FOR INHALATION IN THE TREATMENT OF CHEST COLDS, CONGESTIONS AND OTHER AFFECTIONS OF THE RESPIRATORY TRACT; FOR INTERNAL USE AS AN INTESTINAL OR URINARY ANTISEPTIC; FOR DEODORIZING PREMISES, EITHER BY DESTROYING THE SOURCE OF ODOR OR MASKING THE OFFENSIVE ODOR; FOR PERSONAL USE AS A DEODORANT IN THE BATH, IN ARMPITS AND FOR PERSPIRING HANDS AND FEET; FOR THE DISINFECTION OF SURGICAL, DENTAL, VETERINARY AND OTHER MEDICAL INSTRUMENTS, RUBBER GLOVES, SUTURES, CATGUT AND SIMILAR APPLIANCES; FOR CLEANING AND DISINFECTION OF BARBERS' UTENSILS, SUCH AS COMBS, CLIPPERS, RAZORS AND BRUSHES; FOR LAUNDERING AND OTHER FORMS OF WET WASH; FOR DRY CLEANING, SPOTTING AND OTHER FORMS OF STAIN REMOVAL; FOR AGRICULTURAL AND HORTICULTURAL USES AS A DISINFECTANT, INSECTICIDE, INSECT REPELLENT, LARVICIDE, FUNGICIDE, PARASITICIDE AND SOIL DISINFECTANT, AND TO INCREASE THE YIELD OF PLANTS; FOR DIPPING CATTLE, SHEEP, HOGS AND OTHER DOMESTIC ANIMALS AND FOR REPELLING INSECTS AND OTHER ANIMAL PESTS; FOR THE TREATMENT OF MANGE AND OTHER PARASITIC SKIN AFFECTIONS OF ANIMALS; FOR THE TREATMENT AND PREVENTION OF POULTRY DISEASES BOTH AS AN EXTERNAL APPLICATION AND AS AN INTERNAL ANTISEPTIC; FOR COMBATTING TERMITES AND INSECT PESTS DESTRUCTIVE TO WOOD OR OTHER STRUCTURAL MATERIALS; FOR INDUSTRIAL DISINFECTION OF PREMISES AND ROLLING STOCK; FOR THE DISINFECTION AND PRESERVATION OF CUTTING OILS AND GREASES IN ENGINEERING AND INDUSTRIAL PLANTS GENERALLY; USED ALSO IN THE PREPARATION OF OINTMENTS, TINCTURES, PILLS, CAPSULES AND SOAPS, SHAVING CREAMS, LOTIONS AND OTHER PHARMACEUTICAL OR COSMETIC PRODUCTS.
Claims use since Dec. 1, 1946.

Ser. No. 516,649. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Jan. 30, 1947.

Gelu-cilina

FOR COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE WITH CALCIUM CARBONATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN.
Claims use since Dec. 6, 1946.

Ser. No. 516,683. FOOD MACHINERY CORPORATION, San Jose, Calif., and Biddleport, N. Y. Filed Jan. 31, 1947.

BHC

FOR INSECTICIDAL COMPOSITION FOR USE ON PLANTS AND ANIMALS.
Claims use since Oct. 17, 1946.

Ser. No. 516,707. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa. Filed Jan. 31, 1947.

HOLPLEX

FOR LIVER AND VITAMIN PREPARATION FOR INTRAMUSCULAR INJECTIONS.
Claims use since Oct. 14, 1945.

Ser. No. 516,710. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich. Filed Jan. 31, 1947.

HET

FOR LIQUID CHEMICAL COMPOSITION FOR USE AS AN AGRICULTURAL INSECTICIDE FOR CONTROL OF APHIDS AND MITES.
Claims use since Jan. 10, 1947.

Ser. No. 517,224. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Feb. 10, 1947.

FOLBESYN

FOR MULTI-VITAMIN PREPARATIONS.
Claims use since Dec. 6, 1946.

Ser. No. 517,225. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Feb. 10, 1947.

GAMMALOID

FOR BENZENE HEXACHLORIDE INSECTICIDE.
Claims use since Dec. 26, 1946.

Ser. No. 517,523. ROCHE-ORGANON INC., Nutley, N. J. Filed Feb. 14, 1947.

DIPRORAL

FOR ORAL FORM OF ESTROGENIC AND PROGESTOGENIC PREPARATIONS FOR USE IN MENSTRUAL DISORDERS.
Claims use since Jan. 14, 1947.

Ser. No. 517,714. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed Feb. 18, 1947.

SEILLANS

FOR FLORAL EXTRACTIONS, ABSOLUTES, CONCRETES, CONCENTRATES, AND ESSENTIAL OILS USED IN THE MANUFACTURE OF PERFUMES, TOILETRIES, AND COSMETICS.
Claims use since 1931.

Ser. No. 518,230. IMPERIAL HERB. PRODUCTS, INC., Brooklyn, N. Y. Filed Feb. 27, 1947.

NATCH

FOR LAXATIVE TABLETS.
Claims use since Nov. 1, 1946.

Ser. No. 518,252. J. B. ROERIG & COMPANY, Chicago, Ill. Filed Feb. 27, 1947.

OBREX

FOR MEDICINAL PREPARATION CONTAINING CALCIUM, IRON, AND VITAMINS.
Claims use since Jan. 13, 1947.

Ser. No. 518,388. LEONID DE LESINSKIS, New York, N. Y. Filed Mar. 3, 1947.

Duel

FOR COSMETICS—NAMELY, PERFUMES, TOILET WATERS, COLOGNES, FACE POWDERS, DUSTING POWDERS, LIPSTICKS, AND ROUGES.
Claims use since Jan. 10, 1946.

Ser. No. 518,610. LUYTIES PHARMACAL COMPANY, St. Louis, Mo. Filed Mar. 6, 1947.

LAXOID

FOR LAXATIVE MEDICINES.
Claims use since 1897.

Ser. No. 518,614. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 6, 1947.

NIRAN

FOR CHEMICAL TOXICANTS FOR USE AS AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since Feb. 7, 1947.

CLASS 7
CORDAGE

Ser. No. 516,675. CHARLES C. DAVIS AND COMPANY, Chicago, Ill. Filed Jan. 31, 1947.

QUEEN

FOR COTTON CLOTHES LINES.
Claims use since May 20, 1927.

CLASS 10
FERTILIZERS

Ser. No. 510,011. JAMES G. CLARK, doing business as Ridgeway Fertilizer Co., Lakehurst, N. J. Filed Oct. 1, 1946.

RIDGELIZER

FOR FERTILIZERS.
Claims use since Aug. 1, 1946.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 500,757. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Apr. 23, 1946.

GEMTONE

FOR PRINTING INKS.
Claims use since Apr. 3, 1946.

Ser. No. 519,390. EVERSHARP, INC., Chicago, Ill. Filed Mar. 21, 1947.

SOCIETY

FOR WRITING INK.
Claims use since Jan. 21, 1947.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 511,214. HARRISBURG STEEL CORPORATION, Harrisburg, Pa. Filed Oct. 21, 1946.



FOR PIPE COUPLINGS AND PIPE FLANGES.
Claims use since May 15, 1925, on pipe couplings; and since Nov. 18, 1931, on pipe flanges.

Ser. No. 511,588. JOSEPH BARO, Blue Island, Ill. Filed Oct. 28, 1946.

ZIP'S

FOR SCREEN AND STORM WINDOW HANGERS.
Claims use since about Oct. 15, 1945.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 517,079. NASSAU SMELTING & REFINING COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 6, 1947.

CT C

FOR FOUNDRY OR CASTING COPPER INGOTS.
Claims use since Nov. 1, 1931.

Ser. No. 517,286. ATLANTIC STEEL COMPANY, Atlanta, Ga. Filed Feb. 11, 1947.

DIXI-LOY

FOR ALLOY STEEL.
Claims use since Oct. 14, 1946.

Ser. No. 517,845. THE GLIDDEN COMPANY, doing business as Metals Refining Company, Cleveland, Ohio, and Hammond, Ind. Filed Feb. 20, 1947.

MERCO

FOR METAL POWDERS.
Claims use since Aug. 23, 1945.

CLASS 15
OILS AND GREASES

Ser. No. 511,654. THE TEXAS COMPANY, New York, N. Y. Filed Oct. 28, 1946.

AGRILUBE

FOR LUBRICATING GREASE.
Claims use since Oct. 7, 1946.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 506,217. HENRY ABELN TOBACCO CO., INC., St. Louis, Mo. Filed July 24, 1946.

BLUE RIBBON

FOR CIGARS.
Claims use since Nov. 22, 1875.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 508,168. LE JOHN MANUFACTURING COMPANY, Huntington, W. Va. Filed Aug. 28, 1946.

Le John

FOR ELECTRIC FANS.
Claims use since Feb. 20, 1946.

Ser. No. 515,630. WILLIAM J. MILLER, Milwaukee, Wis. Filed Jan. 11, 1947.

WISHING WELL

FOR ELECTRIC LAMPS.
Claims use since Apr. 16, 1946.

Ser. No. 515,739. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Jan. 15, 1947.

DURAPRENE

FOR ELECTRIC WIRES AND CABLES.
Claims use since Apr. 19, 1946.

Ser. No. 516,179. ELECTRONIC DISPLAYS, INC., Newark, N. J. Filed Jan. 23, 1947.

SELECTRIC

FOR ELECTRIC SIGNS.
Claims use since Jan. 21, 1947.

Ser. No. 516,504. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Jan. 28, 1947. Under the act of February 20, 1905, as amended June 10, 1938.

Hearthstone

FOR FLOOR, TABLE, BOUDOIR, AND DESK LAMPS AND LAMP SHADES, UTILIZING ELECTRIC POWER.
Claims use since Feb. 13, 1945.

Ser. No. 517,086. OPERADIO MANUFACTURING CO., St. Charles, Ill. Filed Feb. 6, 1947.

Soundcaster

FOR AMPLIFIERS.
Claims use since Nov. 24, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 471,265. THE MASTER ELECTRIC COMPANY, Dayton, Ohio. Filed June 15, 1944.

MASTER

FOR FIXED RATIO SPEED CHANGERS AND STEPLESS VARIABLE RATIO SPEED CHANGERS.
Claims use since Aug. 4, 1939.

Ser. No. 473,644. LANGLEY CORPORATION, San Diego, Calif. Filed Aug. 26, 1944.



FOR MECHANISMS FOR CONTROLLING THE TABS OF AIRCRAFT CONTROL SURFACES—NAMELY, AILERONS, ELEVATORS, AND RUDDERS, AND PARTS THEREOF; AND TOOLING—NAMELY, JIGS AND FIXTURES USED IN THE MANUFACTURE THEREOF.
Claims use since September 1943.

Ser. No. 492,021. AMPCO METAL, INC., Milwaukee, Wis. Filed Nov. 23, 1945.

AMPCO

FOR WEAR RESISTANT AND CORROSION RESISTANT MACHINE PARTS OF COPPER BASE ALLOY, AND GENERALLY MANUALLY OPERATED NON-SPARKING TOOLS OF COPPER BASE ALLOY—NAMELY, ADZES, AIR HAMMER BLANKS, AXES, BARS, CAULKING TOOLS, CHISELS, DRIFT PINS, STAR DRILLS, DUST PANS, WEDGES, FORKS, HAMMERS, HATCHETS, HOES, ICE SHAVERS AND TONGS, KNIVES, NAIL PULLERS AND SETS, PACKING TOOLS, PESTLES, CHIPPERS, PICKS, PLIERS, PUNCHES, RAKES, SAWS, SCRAPERS, SCREW DRIVERS, SHEARS, SHOVELS, SPATULAS, SPRAY BOOTH KITS COMPRISING HAMMERS, SCRAPERS, SCREWDRIVERS AND CHISELS, SCOOPS, TROWELS, VISES, AND WRENCHES.
Claims use since July 1914 on wear resistant machine parts; and since November 1914 on non-sparking tools.

Ser. No. 494,969. GREER HYDRAULICS INC., Brooklyn, N. Y. Filed Jan. 18, 1946.

GREER HYDRAULICS

No claim is made to the words "Greer" and "Hydraulics" apart from the mark.
FOR HYDRAULIC ACCUMULATORS FOR USE IN HYDRAULIC APPARATUS FOR INDUSTRIAL MACHINERY.
Claims use since Nov. 1, 1944.

Ser. No. 498,385. MILTON BAKER, doing business as Regal Specialty Mfg. Co., New Haven, Conn. Filed Mar. 18, 1946.

REGAL

FOR TABLE CUTLERY AND FLATWARE—NAMELY, KNIVES, FORKS, SPOONS, GRAVY LADLES, BUTTER SPREADERS, SUGAR SHELLS, AND SERVING SPOONS; CUTLERY—NAMELY, BUTCHER KNIVES, PARING KNIVES, SLICING KNIVES FOR SLICING MEATS AND VEGETABLES AND KNIVES OF GENERAL UTILITY; AND KITCHEN UTENSILS—NAMELY, PIE CYCLES, KITCHEN TONGS, PARERS AND CORERS, AND JAR WRENCHES; ALL MADE OF STAINLESS STEEL OR OTHER BASE METAL.
Claims use since 1912.

Ser. No. 501,191. NELS I. NELSON, doing business as Nelson Machine Works, Seattle, Wash. Filed Apr. 30, 1946.

MITY MIDGET

FOR TRACTORS AND PARTS THEREOF.
Claims use since Apr. 17, 1946.

Ser. No. 505,987. SCOTS GUARD, INC., Waterbury, Conn. Filed July 20, 1946.

SCOTS GUARD

FOR AUTOMATIC MECHANICAL FIRE ALARMS.
Claims use since January 1941.

Ser. No. 512,261. INDUSTRIAL BROWNHOIST CORPORATION, Bay City, Mich. Filed Nov. 8, 1946.



FOR TROLLEYS FOR OVERHEAD HOISTING AND CONVEYING MACHINES; CRANES; GRAB SHOVEL AND TUB BUCKETS FOR HANDLING ORE, COAL, AND SIMILAR MATERIAL AND SAFETY-HOOKS THEREFOR; MACHINES FOR SCREENING AND LOADING COAL; HOISTING AND CONVEYING MACHINES; CAR-DUMPING MACHINES; MACHINES FOR LOOSENING AND SCRAPING MATERIAL IN GONDOLA CARS; TRANSFER-TABLES FOR RAILROAD CARS; BALLAST CLEANING MACHINES FOR CLEANING BALLAST ON RAILROAD RIGHT-OF-WAY; POWERED CAR-PUSHERS FOR SWITCHING RAILROAD CARS; MALT-MIXING MACHINES; OVERHEAD MONO-RAIL SYSTEMS FOR HANDLING FREIGHT IN WAREHOUSES AND LIKE BUILDINGS; COKE LEVELERS; RUST CLEANERS FOR CLEANING RUST FROM METAL OF ALL KINDS; LUMBER GRAPPLERS, HOISTING AND CONVEYING MACHINE ENGINES; ENGINE BRAKES AND CLUTCHES, CRABS, WINCHES; AND PULLEY-BLOCKS.
Claims use since December 1927.

Ser. No. 513,454. THE OLIVER CORPORATION, Chicago, Ill. Filed Nov. 29, 1946.

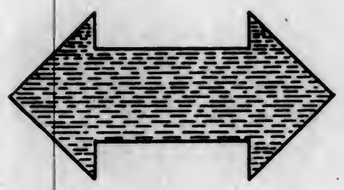
66

FOR TRACTORS AND PARTS THEREOF.
Claims use since July 18, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 486,322. MARINE OPTICAL MFG. CO., Roslindale, Boston, Mass. Filed July 26, 1945.



The drawing is lined for the color silver, but color is not claimed as an element of the mark.

FOR SPECTACLES, GOGGLES, SUN GLASSES, AND FRAMES THEREFOR.

Claims use since June 19, 1945.

Ser. No. 508,130. JEWELED SPECS, LTD., New York, N. Y., assignor to Tura, Inc., New York, N. Y., a corporation of New York. Filed Aug. 27, 1946.

Futura

FOR SPECTACLES FOR PERSONAL WEAR.

Claims use since about March 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 512,161. MARGARET J. COOK, Bethesda, Md. Filed Nov. 7, 1946.



No claim is made to the word "Treasure" apart from the mark as shown.

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS, EARRINGS, PINS, NECKLACES, AND FINGER RINGS.

Claims use since Sept. 15, 1946.

Ser. No. 516,752. B. ALTMAN & Co., New York, N. Y. Filed Feb. 1, 1947.

B&A

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE, AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOE-HORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING-SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKET KNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.

Claims use since at least 1915.

Ser. No. 516,795. BERNADINE L. SHIELDS, Whiting, Ind. Filed Feb. 1, 1947.

Wotherhood

FOR FINGER RINGS.

Claims use since Jan. 27, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 517,470. FULDEX BRUSH WORKS LTD., London, England. Filed Feb. 14, 1947.

FULDEX

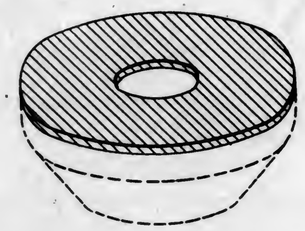
FOR SHAVING BRUSHES.

Claims use since June 1, 1932.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 453,571. J. A. SEXAUER MFG. CO., INC., New York, N. Y. Filed June 9, 1942.



No claim is made to the representation of a faucet cushion. The mark consists in a green disc applied to the goods.

FOR NONMETALLIC WASHERS, NONMETALLIC FAUCET CUSHIONS, AND NONMETALLIC BIBB WASHERS.

Claims use since 1920.

Ser. No. 499,826. CRANE CO., Chicago, Ill. Filed Apr. 8, 1946.

DUO-FLEX

FOR FLUID SEALING, FLEXIBLE GASKETS IN METALLIC AND NON-METALLIC MATERIALS FOR SEALING PIPE-JOINTS, PRESSURE VESSELS, AND THE LIKE.

Claims use since Feb. 1, 1943.

Ser. No. 500,003. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo. Filed Apr. 11, 1946.

FLEXTITE

FOR CUP AND FLAT NONMETALLIC GASKETS FOR LOCOMOTIVE AND CAR AIR BRAKE CYLINDERS.

Claims use since Jan. 11, 1924.

Ser. No. 503,498. A. W. CHESTERTON COMPANY, Boston, Mass. Filed June 8, 1946. Under 10-year proviso.

VAPORITE

FOR MECHANICAL PACKINGS, SHEET PACKINGS, ROD PACKINGS, VALVE PACKINGS, PACKING RINGS AND GASKETS, MADE OF ASBESTOS, FIBRE, RUBBER, SYNTHETIC PLASTIC, TEXTILE MATERIAL AND/OR COMBINATIONS THEREOF, INCLUDING METALLIC REINFORCEMENTS THEREIN.

Claims use since Jan. 1, 1894.

Ser. No. 504,882. A. W. CHESTERTON COMPANY, Boston, Mass. Filed July 1, 1946. Under 10-year proviso.

RUSSO

FOR MECHANICAL PACKINGS, SHEET PACKINGS, ROD PACKINGS, VALVE PACKINGS, PACKING RINGS AND GASKETS, MADE OF ASBESTOS, FIBRE, RUBBER, SYNTHETIC PLASTIC, TEXTILE MATERIAL AND/OR COMBINATIONS THEREOF INCLUDING METALLIC REINFORCEMENTS THEREIN.

Claims use since Jan. 1, 1894.

Ser. No. 507,887. A. W. CHESTERTON COMPANY, Boston, Mass. Filed Aug. 23, 1946.

TANPAC

FOR MECHANICAL PACKINGS, SHEET PACKINGS, ROD PACKINGS, VALVE PACKINGS, PACKING RINGS, AND GASKETS, MADE OF ASBESTOS, FIBRE, RUBBER, SYNTHETIC PLASTIC, TEXTILE MATERIAL, AND/OR COMBINATIONS THEREOF INCLUDING METALLIC REINFORCEMENTS THEREIN.

Claims use since Jan. 1, 1920.

Ser. No. 514,978. MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo. Filed Dec. 28, 1946.



The stippling on the drawing is for shading purposes only.

FOR PISTON RINGS AND EXPANDERS THEREFOR.

Claims use since January 1933 on piston rings; and since July 1936 on piston ring expanders.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 511,255. DAVID WEXLER & COMPANY, Chicago, Ill. Filed Oct. 21, 1946.

KING DAVID

FOR BATONS.

Claims use since Sept. 1, 1943.

Ser. No. 511,846. THE VEGA COMPANY, Boston, Mass. Filed Oct. 31, 1946.

VEGAVOX

Applicant is the owner of Reg. No. 161,330 (renewed).
FOR BANJOS.
Claims use since June 1927.

Ser. No. 512,797. G. P. REGAN & SONS, Belmont, Calif. Filed Nov. 18, 1946.

Triumph

FOR HARMONICAS.
Claims use since fall of 1919.

CLASS 37
PAPER AND STATIONERY

Ser. No. 502,411. UNITED WALLPAPER, INC., Chicago, Ill. Filed May 18, 1946.

UNITED WALLPAPER

The word "Wallpaper" and the scroll representing goods are disclaimed apart from the combination.
FOR WALLPAPERS.
Claims use since Feb. 6, 1946.

Ser. No. 507,207. MONOGRAM COMPANY OF CALIFORNIA, San Francisco, Calif. Filed Aug. 10, 1946.



FOR PAPER NAPKINS, PAPER COASTERS, PAPER TOWELS, AND PAPER MATCHBOOK COVERS.
Claims use since November 1941.

Ser. No. 510,810. THE TANGLEFOOT COMPANY, Grand Rapids, Mich. Filed Oct. 12, 1946.

TANGLON

FOR PAPER USED FOR WRAPPING PAPER, BAGS, TAPES, AND BOX LINERS.
Claims use since Sept. 18, 1946.

Ser. No. 511,209. GALTER PRODUCTS CO., Chicago, Ill. Filed Oct. 21, 1946.

ROLIT

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Mar. 10, 1945.

Ser. No. 511,210. GALTER PRODUCTS CO., Chicago, Ill. Filed Oct. 21, 1946.

ROLETTE

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Mar. 10, 1945.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 498,690. GEORGE W. DOUGHERTY, New York, N. Y. Filed Mar. 21, 1946.

PUPPET COMICS

The word "Comics" is disclaimed apart from the mark as shown.
FOR COMIC MAGAZINES, CONSISTING OF COMICS, COMIC STRIPS, CARTOONS, CARTOON STRIPS, NEWS, PUZZLES, TRICKS OF MAGIC, GAMES, STORIES, LESSONS, ADVERTISEMENTS, QUIZZES, ETC., PUBLISHED IN A SERIES.
Claims use since about Feb. 20, 1946.

Ser. No. 513,052. WALTER L. HARVEY, Marshalltown, Iowa. Filed Nov. 22, 1946.

OUTDOOR ODDITIES

FOR CARTOONS PUBLISHED FROM TIME TO TIME.
Claims use since Nov. 1, 1939.

CLASS 39
CLOTHING

Ser. No. 505,279. BIB-ETT BIB COMPANY, Los Angeles, Calif. Filed July 9, 1946.

BIB-ETTS



The word "Bib" is disclaimed apart from the mark. The figure forming a part of the mark is fanciful.
FOR INFANTS' BIBS.
Claims use since May 20, 1946.

Ser. No. 506,112. LINSK OF CALIFORNIA, INC., Los Angeles, Calif. Filed July 23, 1946.

Jolyn

FOR CHILDREN'S, GIRLS', AND MISSES' DRESSES.
Claims use since on or about May 16, 1946.

Ser. No. 506,880. C. H. MASLAND & SONS, Carlisle, Pa. Filed Aug. 5, 1946.



The portrait is a representation of a "Green Mountain Boy," a fanciful person.
FOR SPORTSWEAR—NAMELY, HUNTING AND FISHING COATS, VESTS, AND JACKETS, EQUIPPED WITH DETACHABLE GAME POCKETS AND FISH CREELS TAILORED AS A PART OF THE GARMENT ASSEMBLY AND SOLD THEREWITH EXCEPT WHEN SOLD AS REPLACEMENTS, AND CAPES.
Claims use since Mar. 20, 1946.

Ser. No. 508,051. LILLI ANN CORP., San Francisco, Calif. Filed Aug. 26, 1946.

Lilli Ann

FOR LADIES' COATS, SUITS, DRESSES, AND FUR TRIMMED COATS.
Claims use since July 15, 1935.

Ser. No. 508,173. MADELEINE VRAMANT, born Madeleine Giraud, Paris, France. Filed Aug. 28, 1946.

SORTILÈGE

FOR GIRDLES.
Claims use since Jan. 1, 1946.

Ser. No. 509,623. ALDO BRUZZICHELLI CO., New York, N. Y. Filed Sept. 24, 1946.

Bernardo

FOR HOSIERY.
Claims use since Aug. 26, 1946.

Ser. No. 509,752. ANNE UNDIES CO., New York, N. Y. Filed Sept. 26, 1946.

ANN'S TEENERS

The lining is for the color red. The term "Teeners" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, PANTIES, NEGLIGEES, BED JACKETS, BRASSIÈRES, AND PANTY GIRDLES.
Claims use since March 1946.

Ser. No. 511,390. HER MAJESTY UNDERWEAR COMPANY, Leola, Pa. Filed Oct. 24, 1946.

H M

FOR WOMEN'S, MISSES', JUNIOR MISSES', CHILDREN'S, TODDLERS', AND INFANTS' SLIPS, HALF SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS.
Claims use since Oct. 7, 1946.

Ser. No. 511,787. BELDING HEMINWAY COMPANY, New York, N. Y. Filed Oct. 31, 1946.

Corticelli

FOR WOMEN'S AND MISSES' UNDERWEAR.
Claims use since Sept. 15, 1936.

Ser. No. 511,864. DELBEAU, INC., New York, N. Y. Filed Nov. 1, 1946.

Delbeau

FOR BLOUSES, NIGHTGOWNS, NEGLIGEES, AND UNDERWEAR FOR WOMEN AND CHILDREN.
Claims use since Oct. 1, 1942.

Ser. No. 511,950. LOMEX, INCORPORATED, New York, N. Y. Filed Nov. 2, 1946.

Lomex

FOR GIRDLES AND BRASSIÈRES.
Claims use since April 1946.

Ser. No. 512,182. S. HAROLD LEVY, INC., New York, N. Y. Filed Nov. 7, 1946.

Joringel

FOR CHILDREN'S APPAREL—NAMELY, GIRLS' DRESSES AND BOYS' SUITS, PANTS, OVERALLS, AND PLAYSUITS.
Claims use since Oct. 15, 1946.

Ser. No. 512,647. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass. Filed Nov. 15, 1946.

LAMBIE TUFFS

FOR HOUSE SLIPPERS FOR CHILDREN.
Claims use since Oct. 1, 1945.

Ser. No. 513,381. BEEBE BROTHERS RUBBER COMPANY, Nashua, N. H. Filed Nov. 29, 1946.

Beebe Bros.

Applicant is owner of Reg. 422,736, registered Aug. 13, 1946.
FOR HEELS AND SOLES OF RUBBER, PLASTIC, AND RUBBER COMPOSITION.
Claims use since May 15, 1945.

Ser. No. 513,764. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Dec. 5, 1946.

SOUTH SHORE

FOR SWEATERS, DRESS SHIRTS, SPORTS SHIRTS, PAJAMAS, MEN'S SHORTS AND UNDERSHIRTS.
Claims use since Mar. 12, 1946.

Ser. No. 514,568. SOUTHLAND GARMENT COMPANY, INC., New York, N. Y. Filed Dec. 19, 1946.

L A

FOR MEN'S AND BOYS' OUTER SPORT SHIRTS.
Claims use since on or about Mar. 15, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 500,227. KATHERINE KERRIGAN, Waverly, N. Y. Filed Apr. 15, 1946.

Sweater Girl

FOR BUST FORM PADS, SHOULDER PADS, AND BUSTLES.
Claims use since Apr. 2, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS AND SUBSTITUTES THEREFOR

Ser. No. 495,222. DUPLEX FABRICS CORPORATION, New York, N. Y. Filed Jan. 23, 1946.

Sheertop

FOR RAYON PIECE GOODS.
Claims use since Jan. 14, 1938.

Ser. No. 502,182. CHARLES GEORGE, New York, N. Y. Filed May 15, 1946.

Barbara Ann GORT ARGIANA

No claim is made to the word "Art" apart from the mark.
FOR TEXTILE TABLECLOTHS AND BRIDGE TABLECLOTHS.
Claims use since September 1944.

Ser. No. 512,559. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Nov. 14, 1946.

SEA FOAM

FOR COTTON AND RAYON PIECE GOODS.
Claims use since May 1916.

Ser. No. 512,919. MORENO TEXTILES INC., New York, N. Y. Filed Nov. 20, 1946.

DANUBIA

FOR TICKING.
Claims use since Nov. 1, 1946.

Ser. No. 515,753. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Jan. 15, 1947.

Heraldry Shades

Applicant disclaims the right to the exclusive use of the word "Shades" except in the relation and association shown.
FOR WOOLEN PIECE GOODS.
Claims use since Dec. 27, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 480,033. SONOTONE CORPORATION, Elmsford, N. Y. Filed Feb. 20, 1945.

THE HOUSE OF HEARING

Applicant disclaims any exclusive right to the word "Hearing" apart from the mark.
FOR HEARING AID DEVICES AND PARTS THEREOF.
Claims use since Feb. 8, 1945.

Ser. No. 517,108. BAYBANK PHARMACEUTICALS, INC., New York, N. Y. Filed Feb. 7, 1947.

BAYBANK

FOR NEBULIZING OR ATOMIZING APPLIANCES FOR DENTAL, MEDICAL AND SURGICAL USE.
Claims use since November 1946.

Ser. No. 519,416. REX CUTLERY CORPORATION, Irvington, N. J. Filed Mar. 21, 1947.

JOY

FOR MANICURE IMPLEMENTS—NAMELY, TOENAIL NIPPERS, MANICURE NIPPERS, CUTICLE NIPPERS, MANICURE SCISSORS, NAIL FILES, PEDICURE SCISSORS; PUSHERS, TWEEZERS, BLACKHEAD EXTRACTORS AND NOSE SCISSORS.
Claims use since January 1944.

Ser. No. 519,718. BARDACH-SCHOENE COMPANY, INC., Chicago, Ill. Filed Mar. 28, 1947.

VACULIMB

FOR ARTIFICIAL LEGS.
Claims use since Feb. 28, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 504,511. SAN JACINTO BOTTLING COMPANY, Houston, Tex. Filed June 24, 1946.



The representation of a bottle and the goods together with the word "Beverages" is disclaimed.
FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since May 27, 1946.

Ser. No. 506,131. ROBERT D. SCHROEDER, Valentine, Nebr. Filed July 23, 1946.

MOONMIST

FOR BEVERAGE—NAMELY, A NON-ALCOHOLIC DRINK COMPOSED OF A BLEND OF GRAPEFRUIT JUICE AND CARBONATED WATER.
Claims use since May 27, 1946.

Ser. No. 506,859. THE BRISK COMPANY, Dallas, Tex. Filed Aug. 5, 1946.

BRISK

The drawing is lined for red letters on a background of blue.
FOR SYRUPS FOR MAKING NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, AND FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July 25, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 489,811. MERRILL CANDY COMPANY, Merrill, Wis. Filed Oct. 11, 1945.

Merrillite

Applicant is the owner of trade-mark registration No. 112,528, Sept. 12, 1916, (renewed). The representation of the cherries shown on the drawing is disclaimed. The word in the mark is "Merrillite."
FOR BAR CANDY.
Claims use since Oct. 12, 1918.

Ser. No. 490,486. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Oct. 25, 1945. Under the act of 1905 as amended in 1920 as to "Gorton's."

Gorton's Al-Fish Blend

The word "Al-Fish" and "Blend" are disclaimed apart from the mark.
FOR POULTRY FEED SUPPLEMENT, THE PRINCIPAL INGREDIENTS OF WHICH ARE FISH MEAL, CONDENSED FISH SOLUBLES, DEHYDRATED ALFALFA LEAF MEAL, DRIED BREWERS' YEAST, RIBOFLAVIN SUPPLEMENT, WHEAT GERM MEAL, AND VITAMINS A AND D FEEDING OIL.
Claims use since on or about Oct. 22, 1945.

Ser. No. 493,074. OLD DUTCH MUSTARD CO., INC., Brooklyn, N. Y. Filed Dec. 11, 1945.

GRANDFATHER'S PRIVATE STOCK

Applicant is the owner of Reg. No. 288,372. No claim is made to the exclusive use of the words "Private Stock" except as in connection with the word "Grandfather's."
FOR PREPARED MUSTARD.
Claims use since Nov. 27, 1945.

Ser. No. 495,094. PRODUCER'S FRUIT DISTRIBUTORS, Fresno, Calif. Filed Jan. 19, 1946.



All wording with the exception of the word "Barile" is disclaimed.
FOR FRESH WINE GRAPES.
Claims use since Sept. 23, 1945.

Ser. No. 498,601. CLINTON INDUSTRIES, INC., doing business as Veribrite Factory, Chicago, Ill., assignor to Chase Candy Company, a corporation of Missouri. Filed Mar. 20, 1946.

MUMBLE JUMBLE

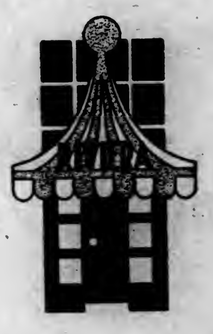
FOR CANDY.
Claims use since July 14, 1939.

Ser. No. 500,394. KAYANTEE CANDY COMPANY, Passaic, N. J. Filed Apr. 17, 1946.

GOLDENETS

FOR CANDY.
Claims use since Nov. 29, 1945.

Ser. No. 502,846. THE RIVIERA COMPANY, Burbank, Calif. Filed May 27, 1946.



FOR ICE CREAM.
Claims use since May 6, 1946.

Ser. No. 513,027. CENTRAL CITY PICKLE CO., Peoria, Ill. Filed Nov. 22, 1946.

KICKAPOO CLUB

FOR VINEGAR.
Claims use since May 1923.

Ser. No. 513,340. LANDON L. ROGERS, doing business as Rogers & Company, Chicago, Ill. Filed Nov. 27, 1946.

Faircrest

FOR POWDERED CUSTARD MIX, SUITABLE FOR PUDDINGS AND PIES.
Claims use since Oct. 28, 1946.

Ser. No. 513,584. ROYAL CONFECTIONERY CO., Boston, Mass. Filed Dec. 2, 1946.

Royal Crest

FOR CANDY.
Claims use since Dec. 1, 1941.

Ser. No. 513,590. STALEY MILLING COMPANY, North Kansas City, Mo. Filed Dec. 2, 1946.

BLESSED EVENT

FOR HOG AND PIG FEED.
Claims use since June 1939.

Ser. No. 513,888. M. J. HOLLOWAY & CO., Chicago, Ill. Filed Dec. 7, 1946.

Coffee Torts

The descriptive word "Coffee" apart from the mark shown, is disclaimed.
FOR CANDY.
Claims use since July 1, 1940.

Ser. No. 513,898. PENN-DUTCH LEBANON BOLOGNA, INC., Philadelphia, Pa. Filed Dec. 7, 1946.



FOR LEBANON BOLOGNA.
Claims use since Nov. 19, 1946.

Ser. No. 513,996. ANDREW'S COFFEE CO., New York, N. Y. Filed Dec. 11, 1946.

St. Andrew's

FOR COFFEE.
Claims use since Apr. 17, 1946.

Ser. No. 514,122. MRS. J. G. MCDONALD CHOCOLATE COMPANY, Salt Lake City, Utah. Filed Dec. 12, 1946.

Sincerely Yours

FOR CHOCOLATES.
Claims use since Oct. 10, 1946.

Ser. No. 514,330. CITRUS FOODS CO., INC., La Habra, Calif. Filed Dec. 16, 1946.

Acclaim

FOR CANNED ORANGE JUICE FOR FOOD PURPOSES.
Claims use since Oct. 24, 1946.

Ser. No. 514,996. LOUIS ADELIN SAVEL, Paris, France. Filed Dec. 28, 1946.

Chokeur

FOR PASTRY, CANDIES, COCOA, SUGAR, HONEY, AND SMALL FANCY CAKES.
Claims use since Oct. 8, 1945.

Ser. No. 515,901. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash. Filed Jan. 17, 1947.

Sam-O-lets

FOR CANNED SALMON.
Claims use since Dec. 21, 1946.

CLASS 47
WINES

Ser. No. 503,402. TRENTINI'S WINERY, Camden, N. J. Filed June 6, 1946.

Pride of Jersey

Applicant disclaims the geographical term "Jersey" separately from the mark.
FOR WINES.
Claims use since Mar. 21, 1946.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 505,757. LOGANSPORT DISTILLING COMPANY, INC., Philadelphia, Pa. Filed July 17, 1946.

AMIDA

FOR WHISKEY.
Claims use since July 10, 1946.

CLASS 50
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 499,646. MILPRINT, INC., Milwaukee, Wis. Filed Apr. 4, 1946.

Mil-o-Film

The word "Film" is disclaimed apart from the mark.
FOR COLORED OR UNCOLORED TRANSPARENT, TRANSLUCENT OR OPAQUE ELASTIC CALENDERED FILM OF THICKNESS UP TO .0025 INCH MADE FROM AN ELASTOMER TYPE PLASTIC RESIN, HAVING ELASTIC PROPERTIES; USED AS A WRAPPING, PACKAGING AND/OR COVERING MATERIAL; OR ANY OTHER USE WHERE ITS PROPERTIES ADAPT THEMSELVES SATISFACTORILY TO SAID USE.
Claims use since Mar. 18, 1946.

Ser. No. 501,035. H. WENZEL TENT & DUCK CO., St. Louis, Mo., assignor to H. Wenzel Tent & Duck Co., St. Louis, Mo., a corporation of Missouri. Filed Apr. 26, 1946.

MOOSE

FOR TARPAULINS.
Claims use since Jan. 1, 1928.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

AUGUST 12, 1947

431,805. MULTIPLE VITAMIN CAPSULES, TABLETS OR LIQUIDS. CHASE CHEMICAL COMPANY, Newark, N. J.
Filed November 30, 1943. Serial No. 465,382. PUBLISHED FEBRUARY 1, 1944. Class 6.

431,806. AGGREGATE IN BAT FORM FOR STUFFING, QUILTING, FILLING OR PADDING USE AND FORMED OF NON-CONTINUOUS FILAMENTS, COMPOSED WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. JENSEN MANUFACTURING COMPANY, Seattle, Wash.
Filed November 13, 1944. Serial No. 476,392. PUBLISHED MAY 13, 1947. Class 1.

431,807. TOILET POWDERS AND TOILET CREAMS, BEING DEODORANTS, PREPARATIONS FOR THE RELIEF OF SUNBURN, INSECT BITES, ATHLETE'S FOOT, AND SKIN IRRITATIONS, ANTISEPTICS, DISINFECTANTS, AND FOR USE AFTER SHAVING. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed January 3, 1945. Serial No. 478,184. PUBLISHED APRIL 29, 1947. Class 6.

431,808. DETERGENTS FOR GENERAL HOUSEHOLD AND ANALOGOUS USES. CARL H. VAN SINDEN, doing business as Kem-Stone Products Co., (not incorporated), Chicago, Ill., assignor to Kem-Stone Products Company, Chicago, Ill., a corporation of Illinois.
Filed April 21, 1945. Serial No. 482,451. PUBLISHED MAY 13, 1947. Class 4.

431,809. REGULATING VALVES FOR HYDRAULIC BRAKE SYSTEMS FOR VEHICLES. HAYES INDUSTRIES, INC., Jackson, Mich.
Filed May 18, 1945. Serial No. 483,528. PUBLISHED MAY 13, 1947. Class 19.

431,810. INSECTICIDES USED FOR SPRAYING PLANTS. PLANT PRODUCTS COMPANY, Blue Point, N. Y., assignor to Plant Products Corporation, Blue Point, N. Y., a corporation of New York.
Filed May 25, 1945. Serial No. 483,784. PUBLISHED OCT 22, 1946. Class 6.

431,811. INSECTICIDES USED FOR SPRAYING PLANTS. PLANT PRODUCTS COMPANY, Blue Point, N. Y., assignor to Plant Products Corporation, Blue Point, N. Y., a corporation of New York.
Filed May 25, 1945. Serial No. 483,787. PUBLISHED JUNE 11, 1946. Class 6.

431,812. LIQUID MOUTH WASH. JOSEPH A. BUTTNY, doing business as JAB Co., Chicago, Ill.
Filed June 7, 1945. Serial No. 484,238. PUBLISHED MAY 6, 1947. Class 6.

431,813. HAIR LOTION AND BAY RUM, CLEANSING CREAM AND LEMON CLEANSING CREAM. THE BONHEUR CO., INC., Brooklyn, N. Y.
Filed July 24, 1945. Serial No. 486,190. PUBLISHED MAY 6, 1947. Class 6.

431,814. IODINE AND PHENOLIC ACID COMPOUNDS IN GLYCERINE FOR CUTS, BRUISES, AND WOUNDS. JANET M. FARNSWORTH, Los Angeles, Calif.
Filed July 31, 1945. Serial No. 486,523. PUBLISHED FEBRUARY 4, 1947. Class 6.

431,815. LINIMENT FOR THE RELIEF OF NEURALGIA AND MUSCULAR PAIN DUE TO EXERTION AND FATIGUE. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn.
Filed September 26, 1945. Serial No. 489,008. PUBLISHED MAY 6, 1947. Class 6.

431,816. FACIAL PACK. MAIJU VIITA, doing business as V Company, Lantana, Fla.
Filed October 8, 1945. Serial No. 489,632. PUBLISHED APRIL 22, 1947. Class 6.

431,817. MEDICINAL PREPARATION CONTAINING VITAMIN D. CHARLES C. HASKELL & CO., INC., Richmond, Va.
Filed October 13, 1945. Serial No. 489,909. PUBLISHED APRIL 22, 1947. Class 6.

431,818. ANTACID AND LAXATIVE. STANDARD LABORATORIES, INC., New York, N. Y.
Filed October 18, 1945. Serial No. 490,146. PUBLISHED APRIL 22, 1947. Class 6.

431,819. TOOTH PASTE. MARIUS ROTWITT, Copenhagen, Denmark.
Filed October 23, 1945. Serial No. 490,399. PUBLISHED MAY 6, 1947. Class 6.

431,820. LIQUID SOLUTION ADAPTED FOR BLOWING BUBBLES. LILLIAN D. ROCK, New York, N. Y.
Filed October 29, 1945. Serial No. 490,700. PUBLISHED APRIL 9, 1946. Class 6.

431,821. PERFUMERY ARTICLES—NAMELY, TALCUM POWDERS, TOILET POWDERS, FACE POWDER, POWDERS IN CAKES OR BLOCKS, ETC. CRISTOBAL BALENCIAGA EIZAGUIRRE, San Sebastian, Spain.
Filed November 5, 1945. Serial No. 491,072. PUBLISHED MAY 6, 1947. Class 6.

431,822. BI-MONTHLY PUBLICATION PRINCIPALLY DEVOTED TO LABOR MATTERS. PRACTICAL METHODS FOR INDUSTRY, INC., New York, N. Y.
Filed November 14, 1945. Serial No. 491,586. PUBLISHED MAY 6, 1947. Class 38.

431,823. COMBINATION UNIT OF LIPSTICK AND BRUSH APPLICATOR. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed December 6, 1945. Serial No. 492,758. PUBLISHED APRIL 22, 1947. Class 6.

431,824. PERFUMES, COLOGNES, DEODORANTS, HAND LOTIONS, SHAMPOOS, FACE AND HAND CREAMS, AND FACE AND BODY DUSTING POWDERS. TEEN TIMER LABORATORIES CO., INC., New York, N. Y.
Filed December 12, 1945. Serial No. 493,152. PUBLISHED SEPTEMBER 24, 1946. Class 6.

431,825. BORIC ACID; DEODORIZING AND SOOTHING FOOT POWDER; ANTISEPTIC SOLUTION USED AS A GARGLE AND MOUTHWASH, ETC. J. E. T. PHARMACAL CO., Allentown, Pa.
Filed December 13, 1945. Serial No. 493,194. PUBLISHED MAY 6, 1947. Class 6.

431,826. GERMICIDES AND FUNGICIDES. HARRY L. GOLDWAG, doing business as Goldicide Laboratories, New York, N. Y.
Filed December 15, 1945. Serial No. 493,348. PUBLISHED MAY 6, 1947. Class 6.

431,827. TOOTH POWDER AND TOOTH-PASTE. REES AND CHAPMAN, Vancouver, British Columbia, Canada.
Filed December 20, 1945. Serial No. 493,623. PUBLISHED MAY 13, 1947. Class 6.

431,828. AFTER SHAVE LOTION, HAND LOTION, HAIR LOTION, MASSAGE CREAM, SHAMPOO, HAIR DRESSING, TALCUM POWDER, TOILET WATER, DEODORANT, PERFUME, AND BUBBLE BATH. HAROLD R. SIBNER, doing business as H. R. Sibner Co., New York, N. Y.
Filed December 21, 1945. Serial No. 493,697. PUBLISHED MAY 13, 1947. Class 6.

431,829. COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE GEL WITH MAGNESIUM TRISILICATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed December 29, 1945. Serial No. 494,148. PUBLISHED JUNE 4, 1946. Class 6.

431,830. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF CARDIO-VASCULAR DISEASES. JOSEPH CLAIVAZ, doing business as Anglo-French Drug Co., Montreal, Quebec, Canada.
Filed January 7, 1946. Serial No. 494,391. PUBLISHED MAY 13, 1947. Class 6.

431,831. BOUGIE AND THE LIKE CONTAINING A COMPOUND FOR TREATMENT OF MAMMARY GLANDS. FRANCIS E. MARTIN, West Chester, Pa.
Filed January 8, 1946. Serial No. 494,455. PUBLISHED APRIL 29, 1947. Class 6.

431,832. ACCELERATORS FOR THE VULCANIZATION OF NATURAL AND SYNTHETIC RUBBERS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 10, 1946. Serial No. 494,551. PUBLISHED APRIL 8, 1947. Class 6.

431,833. VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,075. PUBLISHED APRIL 30, 1946. Class 2.

431,834. VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,077. PUBLISHED APRIL 30, 1946. Class 2.

431,835. PERFUME, COLOGNE, FACE POWDER, AND HAND LOTION. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed January 21, 1946. Serial No. 495,131. PUBLISHED APRIL 29, 1947. Class 6.

431,836. DRUG WHICH CONTAINS AN ORAL FORM OF PENICILLIN FOR USE IN TREATMENT OF DISEASES AS INDICATED BY PENICILLIN. BARRON CHEMICAL CORP., New York, N. Y.
Filed January 31, 1946. Serial No. 495,718. PUBLISHED APRIL 22, 1947. Class 6.

431,837. INSECTICIDES. E. JOHN KENNEDY, New York, N. Y.
Filed February 5, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 496,030. PUBLISHED APRIL 22, 1947. Class 6.

431,838. INSECTICIDES. E. JOHN KENNEDY, New York, N. Y.
Filed February 5, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 496,031. PUBLISHED APRIL 22, 1947. Class 6.

431,839. MEDICINAL PREPARATIONS — NAMELY, PURE WHITE PETROLEUM JELLY, RUBBING ALCOHOL COMPOUND, CITRATE OF MAGNESIA, SWEET OIL, PURE GLYCERINE, AND AROMATIC SPIRITS OF AMMONIA. PENNEX PRODUCTS CO., INCORPORATED, Pittsburgh, Pa.
Filed February 8, 1946. Serial No. 496,267. PUBLISHED MAY 6, 1947. Class 6.

431,840. INSECTICIDE DISPENSERS OF SPECIAL TYPE, IN THE NATURE OF NON-MECHANICAL PRESSURE TYPE CANISTERS CONTAINING INSECTICIDES. REGAL CHEMICAL CORPORATION, Brooklyn, N. Y.
Filed February 12, 1946. Serial No. 496,470. PUBLISHED MAY 6, 1947. Class 6.

431,841. CIRCULARS, PAMPHLETS, BOOKLETS, PRINTED BOOKS AND MONTHLY, YEARLY AND INTERMITTENT PUBLICATIONS USED BETWEEN THE UNITS OF THE CORPORATION IN THE FURTHERANCE OF ITS BUSINESS. SUPREME COUNCIL, MYSTIC ORDER OF VEILED PROPHETS OF THE ENCHANTED REALM, Chicago, Ill.
Filed February 18, 1946. Serial No. 496,873. PUBLISHED MAY 13, 1947. Class 38.

431,842. DESICCANT FOR USE BY MORTICIANS AS AN AID TO BODY PRESERVATION. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill.
Filed February 23, 1946. Serial No. 497,103. PUBLISHED NOVEMBER 12, 1946. Class 6.

431,843. MEDICINAL PREPARATION FOR USE AS AN ALKALIZER. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed February 23, 1946. Serial No. 497,144. PUBLISHED APRIL 22, 1947. Class 6.

431,844. CHEMICAL COMPOUND EMPLOYED IN THE ACCELERATION AND VULCANIZATION OF RUBBER. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed February 26, 1946. Serial No. 497,234. PUBLISHED SEPTEMBER 17, 1946. Class 6.

431,845. MEDICINAL TABLET OF VERATRUM VIRIDE BIOLOGICALLY STANDARDIZED AND INTENDED FOR THE TREATMENT OF ESSENTIAL HYPERTENSION. IRWIN, NEISLER & CO., Decatur, Ill.
Filed February 27, 1946. Serial No. 497,313. PUBLISHED DECEMBER 31, 1946. Class 6.

431,846. QUATERNARY AMMONIUM SANITIZING SOLUTION FOR USE AS A GERMICIDE, BACTERICIDE, DISINFECTANT, AND DEODORANT. THE MATHIESON ALKALI WORKS, New York, N. Y.
Filed March 4, 1946. Serial No. 497,616. PUBLISHED OCTOBER 8, 1946. Class 6.

431,847. PERIODICAL PUBLICATION PUBLISHED SEMI-MONTHLY. THE NATIONAL INSTITUTE OF SOCIAL RELATIONS, INC., Washington, D. C.
Filed March 7, 1946. Serial No. 497,809. PUBLISHED MAY 13, 1947. Class 38.

431,848. CARTOONS. JACK STRAUSBERG, Chicago, Ill.
Filed March 8, 1946. Serial No. 497,887. PUBLISHED MAY 13, 1947. Class 38.

431,849. INSECTICIDAL SHAMPOO. HARRY SHAPIRO, doing business as Chemical Specialties Company, New York, N. Y.
Filed March 9, 1946. Serial No. 497,972. PUBLISHED MAY 6, 1947. Class 6.

431,850. SHAMPOO FOR HAIR. NANCY DALE, LIMITED, New York, N. Y.
Filed March 13, 1946. Serial No. 498,119. PUBLISHED MAY 13, 1947. Class 6.

431,851. PREPARATION FOR SK[illegible]ASES, EXTERNAL SKIN WOUNDS AND [illegible]RATCHES AND DISINFECTANT FOR SKIN WOUNDS AND SCRATCHES. HAUGRON CIENTIFICAL, S. A., Barcelona, Spain.
Filed March 22, 1946. Serial No. 498,766. PUBLISHED MAY 6, 1947. Class 6.

431,852. PERFUMERY PRODUCTS—NAMELY, PERFUMES, COLOGNES, AND TOILET WATERS, FACE POWDERS AND ROUGE, LIP STICKS, HAIR TONICS AND PREPARATIONS, TOOTH POWDERS AND PASTE AND TALCUM POWDERS. HAUGRON CIENTIFICAL, S. A., Barcelona, Spain.
Filed March 22, 1946. Serial No. 498,767. PUBLISHED MAY 13, 1947. Class 6.

431,853. PERFUMES, TOILET WATERS, ROUGE, FACE POWDERS AND LOTIONS, LIP STICKS, HAIR TONICS AND PREPARATIONS, TOOTH POWDERS AND PASTE AND TALCUM POWDERS. HAUGRON CIENTIFICAL, S. A., Barcelona, Spain.
Filed March 22, 1946. Serial No. 498,768. PUBLISHED MAY 13, 1947. Class 6.

431,854. ANTISEPTIC LOTION FOR REMOVAL OF LOOSE DANDRUFF AND FOR TREATMENT OF SCALP IRRITATIONS. WILLIAM H. HOUSER, doing business as H & H Products Co., Cherryville, N. C.
Filed March 25, 1946. Serial No. 498,897. PUBLISHED NOVEMBER 12, 1946. Class 6.

431,855. EAU DE COLOGNE, PERFUMES, FACE POWDERS, LIPSTICKS, CREAM ROUGES, CREAM COLOR FOUNDATIONS AND BEAUTY CREAMS FOR THE CARE OF THE SKIN AND OF THE FACE AND TOILET LOTIONS. S. DE BENVENISTE, Paris, France.
Filed March 28, 1946. Serial No. 499,118. PUBLISHED APRIL 29, 1947. Class 6.

431,856. EAU DE COLOGNE, PERFUMES, FACE POWDERS, AND LIPSTICKS. S. DE BENVENISTE, Paris, France.
Filed March 28, 1946. Serial No. 499,121. PUBLISHED APRIL 29, 1947. Class 6.

431,857. EAU DE COLOGNE, PERFUMES, FACE POWDERS, AND LIPSTICKS. S. DE BENVENISTE, Paris, France.
Filed March 28, 1946. Serial No. 499,122. PUBLISHED APRIL 29, 1947. Class 6.

431,858. CHEMOTHERAPEUTIC AGENT FOR THE PREVENTION AND TREATMENT OF BACTERIAL INFECTIONS, PARTICULARLY TETANUS, GAS GANGRENE, AND OTHER ANAEROBIC INFECTIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 28, 1946. Serial No. 499,184. PUBLISHED MAY 13, 1947. Class 6.

431,859. MEDICINAL PREPARATIONS OF SPECIAL LIVER-STOMACH INTERACTION PRODUCT, IRON AMMONIUM CITRATE, GREEN, AND B VITAMIN CONCENTRATE USEFUL IN THE TREATMENT OF ANEMIA. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed March 29, 1946. Serial No. 499,250. PUBLISHED APRIL 29, 1947. Class 6.

431,860. RAYON IN THE FORM OF SYNTHETIC FIBERS PROCESSED INTO SLIVERS OF CUT STAPLE LENGTH TO BE MADE INTO YARNS FOR MAKING PIECE GOODS AND OTHER FABRICS. JOHN R. STEWART, Philadelphia, Pa.
Filed April 4, 1946. Serial No. 499,668. PUBLISHED APRIL 22, 1947. Class 1.

431,861. RAYON, IN THE FORM OF SYNTHETIC FIBERS PROCESSED INTO SLIVERS TO BE MADE INTO YARN FOR KNITTING AND WEAVING AND SOLD IN BALL FORM, EACH BALL WEIGHING ABOUT TWENTY POUNDS AND WHICH ARE BALED, TEN BALLS TO A BALE. JOHN R. STEWART, Philadelphia, Pa.
Filed April 4, 1946. Serial No. 499,669. PUBLISHED MAY 13, 1947. Class 1.

431,862. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed April 6, 1946. Serial No. 499,787. PUBLISHED OCTOBER 8, 1946. Class 6.

431,863. LURING GREASE FOR USE ON HAT SURFACES AS A PRELIMINARY STEP TO THE APPLICATION OF A FINISHING POWDER, BRIM STIFFENER FOR USE ON HATS, CROWN STIFFENER FOR USE ON HATS, BLEACHING CHEMICALS FOR HATS, AND HAT MAKER'S KITS CONTAINING SOME OR ALL OF THE ABOVE. J. B. MAST CO., INC., New York, N. Y.

431,864. CHEMICAL PREPARATIONS FOR ELIMINATING SOOT AND SCALE FROM FURNACES, BOILERS, STACKS, AND THE LIKE. MARTIN C. PETERS, doing business as Toledo Paint and Chemical Co., Toledo, Ohio.
Filed April 13, 1946. Serial No. 500,182. PUBLISHED APRIL 22, 1947. Class 6.

431,865. SOUP MIXTURES IN DEHYDRATED FORM. B. H. KARMEN, doing business as French-Kitchen Foods Company, Chatsworth, Calif.
Filed April 15, 1946. Serial No. 500,223. PUBLISHED MAY 13, 1947. Class 46.

431,866. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, GERMICIDES, AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington Del., and Richmond, Calif.
Filed April 16, 1946. Serial No. 500,279. PUBLISHED APRIL 29, 1947. Class 6.

431,867. SHEETS, WEBS, AND BATTS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed April 23, 1946. Serial No. 500,739. PUBLISHED MAY 13, 1947. Class 1.

431,868. WATER-PROOFING CHEMICAL. JOHN T. BERDAN, doing business as Drought Products, La Mirada, Calif.
Filed April 24, 1946. Serial No. 500,792. PUBLISHED APRIL 29, 1947. Class 6.

431,869. CANOES. LINK AVIATION DEVICES, INC., Fenton, N. Y., now by change of name Link Aviation, Inc.
Filed April 25, 1946. Serial No. 500,887. PUBLISHED APRIL 8, 1947. Class 19.

431,870. STARCH AND BLUE FOR LAUNDRY PURPOSES, PERFUMERY, DISINFECTANT FLUIDS, DISINFECTANT POWDERS, DISINFECTANT BLOCKS, ANTISEPTICS, ETC. NEWTON, CHAMBERS & COMPANY LIMITED, near Sheffield, England.
Filed April 26, 1946. Serial No. 501,001. PUBLISHED MAY 6, 1947. Class 6.

431,871. MONTHLY PUBLICATION. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed April 27, 1946. Serial No. 501,045. PUBLISHED MAY 6, 1947. Class 38.

431,872. PERFUMES AND TOILET WATER. LANCOME SALES INC., New York, N. Y.
Filed April 30, 1946. Serial No. 501,188. PUBLISHED DECEMBER 17, 1946. Class 6.

431,873. POPCORN SEASONED WITH VEGETABLE OILS AND SALT. B. F. BUTTERFIELD, doing business as Keystone Products Co., Oakland, Calif.
Filed May 6, 1946. Serial No. 501,497. PUBLISHED JANUARY 14, 1947. Class 46.

431,874. CHEMICAL AGENT USED IN THE APPLICATION OF DYES AND FOR THE PROCESSING OF TEXTILE MATERIALS. GEIGY COMPANY, INC., New York, N. Y.
Filed May 8, 1946. Serial No. 501,663. PUBLISHED MAY 6, 1947. Class 6.

431,875. SHAMPOO. JOHN W. MURPHY, doing business as Murphy Laboratories, Upper Darby, Pa., assignor to Murphy Laboratories Inc., Upper Darby, Pa.
Filed May 8, 1946. Serial No. 501,679. PUBLISHED APRIL 29, 1947. Class 6.

431,876. HAIR SHAMPOO, DISINFECTANT AND DEODORANT FOR GENERAL PURPOSES, AND CHEMICAL DRAIN-OPENING MIXTURES OF THE TYPE THAT IS ADAPTED TO COMBINE WITH MATERIAL CLOGGING A DRAIN, AND TO BE THEN WASHED THROUGH THE DRAIN WITH WATER. STAR CHEMICAL COMPANY, San Antonio, Tex.
Filed May 9, 1946. Serial No. 501,781. PUBLISHED APRIL 29, 1947. Class 6.

431,877. FOUNTAIN PENS. A. KOLBER, INC., New York, N. Y.
Filed May 15, 1946. Serial No. 502,144. PUBLISHED MAY 13, 1947. Class 37.

431,878. PERFUME, COLOGNE, AND TOILET WATER. JACK PRICE, Los Angeles, Calif.
Filed May 15, 1946. Serial No. 502,154. PUBLISHED APRIL 22, 1947. Class 6.

431,879. SULPHUR DIOXIDE. DELL ALVOS, doing business as Sultech Company, Guadalupe, Calif.
Filed May 16, 1946. Serial No. 502,176. PUBLISHED APRIL 22, 1947. Class 6.

431,880. GALL STONE REMEDY. DEWMA COMPANY, South Bend, Ind.
Filed May 16, 1946. Serial No. 502,195. PUBLISHED MAY 6, 1947. Class 6.

431,881. HAIR DRESSING AND SHAMPOO. JULES MONTENIER, doing business as Select Cosmetics, Chicago, Ill.
Filed May 16, 1946. Serial No. 502,225. PUBLISHED APRIL 22, 1947. Class 6.

431,882. MOTHPROOFING COMPOSITION IN LIQUID FORM. HARRY PRINCE, doing business as Royal Chemical Products Co., Troy, N. Y.
Filed May 17, 1946. Serial No. 502,328. PUBLISHED APRIL 29, 1947. Class 6.

431,883. MEDICINAL PREPARATION CONTAINING 2-AMINOHEPTANE USEFUL IN THE RELIEF OF NASAL CONGESTION. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed May 18, 1946. Serial No. 502,383. PUBLISHED MAY 13, 1947. Class 6.

431,884. MEDICINAL PREPARATION COMPOSED OF SODIUM PROPYL-METHYL-CARBINYL ALLYL BARBITURATE AND SODIUM ISO-AMYL ETHYL BARBITURATE USED AS A SEDATIVE AND HYPNOTIC. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed May 18, 1946. Serial No. 502,884. PUBLISHED MAY 6, 1947. Class 6.

431,885. SECTION IN A MAGAZINE. PATTERSON PUBLISHING COMPANY, Chicago, Ill.
Filed May 20, 1946. Serial No. 502,454. PUBLISHED MAY 6, 1947. Class 38.

431,886. MEDICINAL PREPARATION FOR USE BY PHYSICIANS FOR THE CHEMOTHERAPY OF SYPHILIS AND ALLIED DISORDERS. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed May 22, 1946. Serial No. 502,558. PUBLISHED MAY 6, 1947. Class 6.

431,887. MEDICINAL PREPARATION FOR INJECTION INTRAMUSCULARLY OR INTRAVENOUSLY BY PHYSICIANS IN THE TREATMENT OF ARTHRITIS, ARTERIOSCLEROSIS, SYPHILIS, AND ALLIED DISORDERS. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y.
Filed May 22, 1946. Serial No. 502,559. PUBLISHED APRIL 29, 1947. Class 6.

431,888. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed May 28, 1946. Serial No. 502,644. PUBLISHED MAY 6, 1947. Class 6.

431,889. TOILET CREAM. PAVILLON COSMETICS, INCORPORATED, Yonkers, N. Y.
Filed May 23, 1946. Serial No. 502,663. PUBLISHED APRIL 22, 1947. Class 6.

431,890. PREPARATION FOR THE BLEACHING OF FURS. BEAVERMOU COMPANY, Jersey City, N. J.
Filed May 28, 1946. Serial No. 502,876. PUBLISHED MAY 13, 1947. Class 6.

431,891. INDIVIDUAL PHOTOGRAPHS, PARTICULARLY INDIVIDUAL PHOTOGRAPHS OF THE SHIPS AND THE LIKE, WHICH PHOTOGRAPHS ARE LAMINATED WITH SHEETS OF CELLULOSE ACETATE. CHARLES W. BEERS, doing business as Identification Photo Service, San Francisco, Calif.
Filed May 31, 1946. Serial No. 503,048. PUBLISHED MAY 6, 1947. Class 38.

431,892. HAIR AND SCALP LOTION, SHAMPOO, AND AFTER-SHAVING BALM. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed May 31, 1946. Serial No. 503,125. PUBLISHED APRIL 22, 1947. Class 6.

431,893. GOLD FINGER RINGS AND JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES). LOVE NEST RING, INC., New York, N. Y.
Filed June 1, 1946. Serial No. 503,166. PUBLISHED MAY 13, 1947. Class 28.

431,894. TOOTHACHE DROPS. WILLARD Z. WELLS, doing business as Essential Chemical and Drug Co., Burlington, N. J.
Filed June 1, 1946. Serial No. 503,177. PUBLISHED MAY 13, 1947. Class 6.

431,895. TOILET AND CLEANSING TISSUES. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed June 3, 1946. Serial No. 503,181. PUBLISHED MAY 13, 1947. Class 37.

431,896. PERFUMES. WILLIAM S. HIEBER, doing business as Henri Monet, Atlanta, Ga.
Filed June 3, 1946. Serial No. 503,200. PUBLISHED APRIL 22, 1947. Class 6.

431,897. LIPSTICK AND ROUGE. M. T. STROMMEN, Arcadia, Calif.
Filed June 3, 1946. Serial No. 503,230. PUBLISHED MAY 13, 1947. Class 6.

431,898. MINERAL MIXTURE WITH THE BASE OF MAGNESITE USED FOR FILTERING, AS A REFRACTORY MATERIAL, AND FOR OTHER PURPOSES IN THE INDUSTRIAL ART. CONTINENTAL ORE COMPANY, New York, N. Y.
Filed June 5, 1946. Serial No. 503,284. PUBLISHED MAY 6, 1947. Class 1.

431,899. ANTI-BIOTIC MIXTURE FOR TOPICAL USE. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed June 6, 1946. Serial No. 503,398. PUBLISHED MAY 13, 1947. Class 6.

431,900. PERFUMES. WILLIAM S. HIEBER, doing business as Henri Monet, Atlanta, Ga.
Filed June 12, 1946. Serial No. 503,728. PUBLISHED APRIL 29, 1947. Class 6.

431,901. LAVENDER SHAVING BOWL CONTAINING SOAP. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed June 14, 1946. Serial No. 503,859. PUBLISHED MAY 13, 1947. Class 4.

431,902. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,873. PUBLISHED MAY 6, 1947. Class 6.

431,903. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,876. PUBLISHED MAY 6, 1947. Class 6.

431,904. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,878. PUBLISHED MAY 6, 1947. Class 6.

431,905. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,879. PUBLISHED MAY 6, 1947. Class 6.

431,906. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,880. PUBLISHED MAY 6, 1947. Class 6.

431,907. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,883. PUBLISHED MAY 6, 1947. Class 6.

431,908. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,884. PUBLISHED MAY 6, 1947. Class 6.

431,909. PERFUME AND TOILET WATER. JEAN D'HENNERY, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,885. PUBLISHED MAY 6, 1947. Class 6.

431,910. LIPSTICKS. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed June 14, 1946. Serial No. 503,914. PUBLISHED MAY 6, 1947. Class 6.

431,911. LIPSTICKS. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed June 14, 1946. Serial No. 503,915. PUBLISHED MAY 6, 1947. Class 6.

431,912. MEDICATED OINTMENT FOR EXTERNAL USE FOR ITCHING CAUSED BY ECZEMA AND ATHLETE'S FOOT. WILLIAM THOMAS CARROLL, doing business as The X-Term-A Company, Gorham, Maine.
Filed June 15, 1946. Serial No. 503,971. PUBLISHED APRIL 22, 1947. Class 6.

431,913. INSECTICIDES. FARMCRAFT, INC., Portland, Oreg.
Filed June 17, 1946. Serial No. 504,041. PUBLISHED MAY 6, 1947. Class 6.

431,914. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. RAPHAEL LOPEZ, doing business as Maison Raphael, Paris, France.
Filed June 18, 1946. Serial No. 504,115. PUBLISHED MAY 6, 1947. Class 6.

431,915. RADIO SCRIPTS PUBLISHED IN A CONTINUING SERIES AND DISTRIBUTED IN TRADE AS PUBLICATIONS. THE CROSLEY CORPORATION, Cincinnati, Ohio, assignor to The Crosley Broadcasting Corporation, Cincinnati, Ohio, a corporation of Ohio.
Filed June 19, 1946. Serial No. 504,159. PUBLISHED MAY 6, 1947. Class 38.

431,916. RADIO SCRIPTS PUBLISHED IN A CONTINUING SERIES AND DISTRIBUTED IN COMMERCE AS PUBLICATIONS. THE CROSLEY CORPORATION, Cincinnati, Ohio, assignor to The Crosley Broadcasting Corporation, Cincinnati, Ohio, a corporation of Ohio.
Filed June 19, 1946. Serial No. 504,160. PUBLISHED MAY 6, 1947. Class 38.

431,917. CANNED AND FROZEN DOG FOOD. ROBERT F. HUNSICKER, doing business as Allen Products Company, Allentown, Pa.
Filed June 19, 1946. Serial No. 504,182. PUBLISHED MAY 13, 1947. Class 46.

431,918. FOR COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE GEL WITH CALCIUM CARBONATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed June 19, 1946. Serial No. 504,232. PUBLISHED MAY 6, 1947. Class 6.

431,919. COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE GEL WITH CALCIUM CARBONATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed June 19, 1946. Serial No. 504,233. PUBLISHED MAY 6, 1947. Class 6.

431,920. COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE GEL WITH CALCIUM CARBONATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed June 19, 1946. Serial No. 504,234. PUBLISHED MAY 13, 1947. Class 6.

431,921. COMPOSITION OF PENICILLIN AND ALUMINUM HYDROXIDE GEL WITH CALCIUM CARBONATE FOR USE IN THE ORAL ADMINISTRATION OF PENICILLIN. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed June 19, 1946. Serial No. 504,235. PUBLISHED MAY 13, 1947. Class 6.

431,922. STARCH FOR MANUFACTURING PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed June 21, 1946. Serial No. 504,334. PUBLISHED APRIL 29, 1947. Class 6.

431,923. COLOGNE, PERFUME, DEODORANT FOR PERSONAL USE, SHAMPOO, LEG MAKE-UP, AND HAND CREAM. KAY DAUMIT, INC., Chicago, Ill.
Filed June 21, 1946. Serial No. 504,338. PUBLISHED MAY 13, 1947. Class 6.

431,924. MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY. FANTASY COMICS, INC., New York, N. Y.
Filed June 21, 1946. Serial No. 504,347. PUBLISHED May 13, 1947. Class 38.

431,925. ASPIRIN. ANNA-JEAN YUILL, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a firm.
Filed June 21, 1946. Serial No. 504,414. PUBLISHED APRIL 22, 1947. Class 6.

431,926. MUSICAL PUBLICATIONS. E. C. SCHIRMER MUSIC COMPANY, Boston, Mass.
Filed June 26, 1946. Serial No. 504,636. PUBLISHED MAY 6, 1947. Class 38.

431,927. COLORING PRODUCTS FOR NATURAL FIBERS, ACETATE, AND SYNTHETIC FIBERS. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed June 27, 1946. Serial No. 504,654. PUBLISHED MAY 6, 1947. Class 6.

431,928. CARTOONS. FOOD FAIR STORES, INC., Philadelphia, Pa.
Filed July 1, 1946. Serial No. 504,894. PUBLISHED MAY 6, 1947. Class 38.

431,929. SULFAMETHAZINE PREPARATIONS FOR USE IN VETERINARY MEDICINE. LEDERLE LABORATORIES, INC., New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed July 1, 1946. Serial No. 504,911. PUBLISHED APRIL 22, 1947. Class 6.

431,930. TABLETS CONTAINING ASCORBIC ACID, THIAMINE, RACEPHEDRINE AND THEOPHYLLINE, WITH FILLERS AND EXCIPIENTS FOR THERAPEUTIC PURPOSES—NAMELY, FOR THE TREATMENT OF HAY FEVER, ASTHMA, AND ALLERGIC CONDITIONS. NION CORPORATION, Los Angeles, Calif.
Filed July 2, 1946. Serial No. 504,993. PUBLISHED APRIL 22, 1947. Class 6.

431,931. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. EDMOND ROSENS, Paris, France.
Filed July 2, 1946. Serial No. 505,014. PUBLISHED APRIL 29, 1947. Class 6.

431,932. LIQUID AND POWDER INSECTICIDES. WESTERN EXTERMINATING CO., INC., Newark, N. J.
Filed July 2, 1946. Serial No. 505,024. PUBLISHED MAY 6, 1947. Class 6.

431,933. CREAM FOR POLISHING AND PRESERVING LEATHER. JOHN W. B. FORINGER, doing business as Bar F Products, Chicago, Ill.
Filed July 3, 1946. Serial No. 505,047. PUBLISHED MAY 13, 1947. Class 4.

431,934. CREAM FOR POLISHING AND PRESERVING LEATHER. JOHN W. B. FORINGER, doing business as Bar F Products, Chicago, Ill.
Filed July 3, 1946. Serial No. 505,048. PUBLISHED MAY 13, 1947. Class 4.

431,935. CREAM FOR POLISHING AND PRESERVING LEATHER. JOHN W. B. FORINGER, doing business as Bar F Products, Chicago, Ill.
Filed July 3, 1946. Serial No. 505,049. PUBLISHED MAY 13, 1947. Class 4.

431,936. CLEANSING CREAM, COLD CREAM, LIPSTICK, FACE ROUGE, FACE POWDER, BATH POWDER, COLOGNE, PERFUME, MASCARA, BATH SALTS, TOOTH PASTE, AFTER-SHAVE LOTION, MINERAL OIL, LEG MAKE-UP, EFFERVESCENT TABLETS, VITAMINS, MOUTH WASH, RUBBING ALCOHOL, WITCH HAZEL, MILK OF MAGNESIA, BAY RUM, COD LIVER OIL, BICARBONATE OF SODA, DOUCHE POWDER, EYE WASH, FOOT BALM, FOOT POWDER, PETROLEUM JELLY, SODIUM CHLORIDE TABLETS, TOOTH POWDER, SUNTAN OIL, SACCHARIN TABLETS, ETC. FREDERIC J. TRUMP, doing business as F. J. Trump, Stamford, Conn.
Filed July 3, 1946. Serial No. 505,086. PUBLISHED MAY 6, 1947. Class 6.

431,937. INTERVAL TIMERS TO GIVE AN AUDIBLE SIGNAL AT THE EXPIRATION OF A PREDETERMINED TIME, FOR INNUMERABLE PURPOSES. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis.
Filed July 5, 1946. Serial No. 505,118. PUBLISHED MAY 6, 1947. Class 27.

431,938. HAIR OIL, LILAC LOTION (A TOILET PREPARATION, COCOANUT OIL SHAMPOO, SKIN LOTION) BRILLIANTINE, AND AFTER SHAVING LOTION. ROYAL MANUFACTURING CO. OF DUQUESNE, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation.
Filed July 8, 1946. Serial No. 505,241. PUBLISHED APRIL 29, 1947. Class 6.

431,939. POULTRY REMEDY AS AN AID IN THE CONTROL OF COCCIDIOSIS. LOUIS PHILIP MAYRAND, Greensboro, N. C.
Filed July 8, 1946. Serial No. 505,271. PUBLISHED MAY 6, 1947. Class 6.

431,940. PERFUMES, COLOGNE, ROUGE, AND VEGETABLE LOTION FOR GRAY HAIR. ENRIQUE FERNANDEZ CAVADA, Habana, Cuba.
Filed July 9, 1946. Serial No. 505,282. PUBLISHED MAY 13, 1947. Class 6.

431,941. AEROPLANES. GLOBE AIRCRAFT CORPORATION, Fort Worth, Tex.
Filed July 9, 1946. Serial No. 505,296. PUBLISHED MAY 13, 1947. Class 19.

431,942. POWDERED LAUNDRY STARCH. THE HUBINGER COMPANY, Keokuk, Iowa.
Filed July 9, 1946. Serial No. 505,302. PUBLISHED APRIL 29, 1947. Class 6.

431,943. PERMANENT HAIR WAVING SUPPLIES FOR VARIOUS TYPES OF WAVING, SOLD EITHER IN THE FORM OF COMPLETE KITS OR AS INDIVIDUAL ITEMS—NAMELY, CHEMICAL HEATING PADS AND WAVING SOLUTION. HELENE CURTIS INDUSTRIES, A DIVISION OF NATIONAL INDUSTRIES, INC., Chicago, Ill., said National Industries, Inc., now by change of name Helene Curtis Industries, Inc.
Filed July 11, 1946. Serial No. 505,396. PUBLISHED APRIL 29, 1947. Class 6.

431,944. NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed July 11, 1946. Serial No. 505,438. PUBLISHED APRIL 8, 1947. Class 28.

431,945. FACE LOTIONS, SKIN BLEACHES, VANISHING, CLEANSING AND COLD CREAMS, PADS CHEMICALLY IMPREGNATED WITH A CREAM OR LOTION FOR USE IN CLEANSING THE FACE, FACE POWDER, FACE MAKE-UP IN LIQUID FORM, CAKE MAKE-UP, LIPSTICKS, CAKE, LIQUID AND CREAM ROUGES, ETC. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed July 13, 1946. Serial No. 505,549. PUBLISHED APRIL 22, 1947. Class 6.

431,946. MEDICINAL PREPARATION CONTAINING VITAMIN K DIPHOSPHATE, USED IN THE PREVENTION AND TREATMENT OF HEMORRHAGIC DISORDERS CAUSED BY VITAMIN K DEFICIENCY. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed July 13, 1946. Serial No. 505,603. PUBLISHED APRIL 22, 1947. Class 6.

431,947. PERIODICAL PUBLISHED IN THE SPANISH AND ENGLISH LANGUAGES. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass.
Filed July 16, 1946. Serial No. 505,686. PUBLISHED MAY 13, 1947. Class 38.

431,948. PERFUME AND TOILET WATER. LUCKY HEART LABORATORIES, INC., doing business as Lucky Heart Company, Memphis, Tenn.
Filed July 16, 1946. Serial No. 505,705. PUBLISHED APRIL 22, 1947. Class 6.

431,949. PREPARATION FOR THE TREATMENT OF CANINE DISTEMPER. MANGAN & COMPANY LABORATORIES, New York, N. Y.
Filed July 20, 1946. Serial No. 505,970. PUBLISHED APRIL 22, 1947. Class 6.

431,950. SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE. LOUIS G. COWAN, INCORPORATED, New York, N. Y.
Filed July 22, 1946. Serial No. 506,012. PUBLISHED MAY-6, 1947. Class 38.

431,951. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed July 23, 1946. Serial No. 506,096. PUBLISHED APRIL 22, 1947. Class 6.

431,952. COFFEES. AMERICAN HOME FOODS, INC., New York, N. Y.
Filed July 26, 1946. Serial No. 506,287. PUBLISHED MAY 6, 1947. Class 46.

431,953. BROTHS, COFFEES, COFFEE EXTRACTS WITH THE ADMIXTURE OF CARBOHYDRATES. AMERICAN HOME FOODS, INC., New York, N. Y.
Filed July 26, 1946. Serial No. 506,288. PUBLISHED MAY 13, 1947. Class 46.

431,954. PERFUMES AND TOILET WATER. GLORIA VANDERBILT CORP., New York, N. Y.
Filed July 26, 1946. Serial No. 506,305. PUBLISHED MAY 13, 1947. Class 6.

431,955. MEN'S COLOGNE. GLORIA VANDERBILT CORP., New York, N. Y.
Filed July 26, 1946. Serial No. 506,307. PUBLISHED MAY 13, 1947. Class 6.

431,956. PERFUMES AND TOILET WATER. GLORIA VANDERBILT CORP., New York, N. Y.
Filed July 26, 1946. Serial No. 506,310. PUBLISHED MAY 13, 1947. Class 6.

431,957. POWDERED FOOD-FLAVORING PRODUCT CONTAINING ESSENTIALLY MONO SODIUM GLUTAMATE. SEASLIC, INCORPORATED, sometimes doing business as Seaslic, Inc., Chicago, Ill.
Filed July 26, 1946. Serial No. 506,350. PUBLISHED MAY 13, 1947. Class 46.

431,958. SECONDARY AROMATIC AMINE FOR USE AS AN ANTIOXIDANT IN LUBRICATING OILS, MOTOR FUELS, MINERAL OILS, SYNTHETIC RESINS, AND NATURAL AND SYNTHETIC RUBBER. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed July 30, 1946. Serial No. 506,556. PUBLISHED MAY 13, 1947. Class 6.

431,959. RESIN, FOR USE IN ADHESIVES, AS ADDITIVE TO CHICLE FOR CHEWING GUM, IN CERTAIN SYNTHETIC RESINS, IN VARNISHES AND CELLULOSE DERIVATIVE LACQUERS. HERCULES POWDER COMPANY, Wilmington, Del.
Filed May 18, 1946. Serial No. 506,718. PUBLISHED MAY 13, 1947. Class 1.

431,960. LIQUID AND CREAM MAKEUP. GENE SALÉE, Hollywood, Calif.
Filed August 2, 1946. Serial No. 506,772. PUBLISHED APRIL 29, 1947. Class 6.

431,961. TRIMETHYLOLPROPANE, A POLYHYDRIC ALCOHOL USEFUL FOR THE PREPARATION OF ALKYD AND OTHER SYNTHETIC RESINS, DRYING OILS AND COATING COMPOSITIONS. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed August 8, 1946. Serial No. 507,056. PUBLISHED APRIL 29, 1947. Class 6.

431,962. THOUSAND ISLAND DRESSING. LOUIS MILANI FOODS, INC., Chicago, Ill.
Filed August 8, 1946. Serial No. 507,062. PUBLISHED MAY 6, 1947. Class 46.

431,963. RECTAL SUPPOSITORY. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed August 13, 1946. Serial No. 507,346. PUBLISHED APRIL 22, 1947. Class 6.

431,964. HELICOPTERS AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Wheatfield, N. Y.
Filed August 14, 1946. Serial No. 507,363. PUBLISHED MAY 13, 1947. Class 19.

431,965. PRINTED BOOKS. CHARLES SCRIBNER'S SONS, New York, N. Y.
Filed August 14, 1946. Serial No. 507,430. PUBLISHED MAY 13, 1947. Class 38.

431,966. PHOTOGRAPHIC PRINTS, SNAP SHOTS, ENLARGEMENTS AND FRAMED PHOTOGRAPHIC PRINTS. GUY G. WALTZ, doing business as Waltz the Camera Man, Canton, Ohio.
Filed August 14, 1946. Serial No. 507,444. PUBLISHED MAY 6, 1947. Class 38.

431,967. JAM OR CONSERVE. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y.
Filed August 16, 1946. Serial No. 507,556. PUBLISHED MAY 13, 1947. Class 46.

431,968. PICKLED EGGS. SADIE LEOTA HUGHES, doing business as J. W. Hughes, Graham, Wash.
Filed August 21, 1946. Serial No. 507,726. PUBLISHED MAY 13, 1947. Class 46.

431,969. WRAPPING PAPER, TOILET PAPER AND WAX PAPER. TAVERNER & FRICKE, Los Angeles, Calif.
Filed August 22, 1946. Serial No. 507,865. PUBLISHED MAY 27, 1947. Class 37.

431,970. FINGER RINGS, EARRINGS, METAL WRIST WATCH BANDS (NOT INCLUDING WATCHES), CHATELAINES, AND BRACELETS. DAVID DAMOSA ZAKWIN, Los Angeles, Calif.
Filed August 28, 1946. Serial No. 508,198. PUBLISHED MAY 6, 1947. Class 28.

431,971. FOUNTAIN PENS. REYNOLDS PEN COMPANY, Chicago, Ill.
Filed August 30, 1946. Serial No. 508,311. PUBLISHED MAY 27, 1947. Class 37.

431,972. BUCKLE SETS FOR BELTS AND WRISTWATCH STRAPS, SADDLE AND HARNESS BUCKLES AND SADDLE AND HARNESS ORNAMENTS, ALL MADE OF GOLD AND SILVER. H. S. MEANS CO., Culver City, Calif.
Filed September 3, 1946. Serial No. 508,435. PUBLISHED MAY 13, 1947. Class 28.

431,973. JEWELRY FOR PERSONAL WEAR OR ADORNMENT—NAMELY, FINGER RINGS, EARRINGS, BROOCHES, BRACELETS, NECKLACES, JEWELRY CLIPS, AND LOCKETS. COLONIAL MFG. CO., INC., New York, N. Y.
Filed September 10, 1946. Serial No. 508,790. PUBLISHED APRIL 15, 1947. Class 28.

431,974. JEWELRY FOR PERSONAL WEAR OR ADORNMENT USED IN CONNECTION WITH SECURING OR SUPPORTING A WATCH ON A PERSON, NOT INCLUDING WATCHES. THE UNITED STATES TIME CORPORATION, Waterbury, Conn.
Filed September 13, 1946. Serial No. 509,053. PUBLISHED MAY 13, 1947. Class 28.

431,975. MOUTH WASH. RIGO MANUFACTURING COMPANY, Nashville, Tenn.
Filed September 18, 1946. Serial No. 509,303. PUBLISHED APRIL 22, 1947. Class 6.

431,976. COOKIES. SCHULZE AND BURCH BISCUIT COMPANY, Chicago, Ill.
Filed September 20, 1946. Serial No. 509,473. PUBLISHED MAY 13, 1947. Class 46.

431,977. WATCHES. URIS SALES CORP., New York, N. Y.
Filed September 26, 1946. Serial No. 509,803. PUBLISHED MAY 6, 1947. Class 27.

431,978. BROOMS AND THE LIKE. THE EVERGREEN BROOM MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed October 4, 1946. Serial No. 510,241. PUBLISHED MAY 6, 1947. Class 29.

431,979. MECHANICAL PACKING, VIZ., PACKING RINGS, PACKING FOR PISTON RODS, PACKING FOR SLIDE VALVE RODS, ETC. ADVANCE PACKING & SUPPLY CO., Chicago, Ill.
Filed October 10, 1946. Serial No. 510,558. PUBLISHED MAY 6, 1947. Class 35.

431,980. MOPS. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed October 15, 1946. Serial No. 510,875. PUBLISHED MAY 6, 1947. Class 29.

431,981. SILVERPLATED FLAT-WARE AND HOLLOW-WARE FOR TABLE USE AND THE LIKE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed October 26, 1946. Serial No. 511,560. PUBLISHED MAY 13, 1947. Class 28.

431,982. NOSE DROPS FOR THE RELIEF OF SINUS CONDITIONS. LYNN LABORATORIES, Newburgh, N. Y.
Filed January 3, 1947. Serial No. 515,354. PUBLISHED MAY 6, 1947. Class 6.

431,983. MAKE-UP SPONGES AND SPONGE BRUSHES FOR PERSONAL USE. PRESTO MANUFACTURING CO., New York, N. Y.
Filed January 8, 1947. Serial No. 515,449. PUBLISHED MAY 6, 1947. Class 29.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

431,984. (CLASS 2. RECEPTACLES.) REYNOLDS METALS COMPANY, Richmond, Va. Filed Mar. 10, 1944. Serial No. 468,160.

Reyfold

FOR CARDBOARD BOXES COVERED WITH FOIL.
Claims use since Feb. 23, 1944.

431,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PFEIFFER CHEMICAL COMPANY, New York, N. Y., assignor to Standard Laboratories Inc., New York, N. Y., a corporation of Delaware. Filed Apr. 19, 1944. Serial No. 469,473. The representation of the baby is fanciful.



FOR LAXATIVE MEDICINES INTENDED ESPECIALLY FOR INFANTS AND YOUNG CHILDREN.
Claims use since Apr. 12, 1920.

431,986. (CLASS 37. PAPER AND STATIONERY.) ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed Nov. 6, 1944. Serial No. 476,127.

PHOTOdex

FOR BOUND PHOTOGRAPH ALBUMS.
Claims use since Oct. 31, 1944.

431,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES SPECIALTY CO., Nacogdoches, Tex. Filed Nov. 17, 1944. Serial No. 476,561.



ANTHONY'S SKINEZE

FOR COMPOSITION FOR RELIEF IN ECZEMA, TETTER, RINGWORM, ATHLETES' FEET, CROTCH, RECTAL ITCH, RASH, GROUND ITCH AND SKIN DISEASE.
Claims use since July 19, 1932.

431,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHOE COVERS CORPORATION, New York, N. Y. Filed Nov. 28, 1944. Serial No. 476,986.

COVERLAC

FOR SYNTHETIC RESINS, SOLVATED SYNTHETIC OR NATURAL RESINS, OR OTHER PLASTIC COMPOSITIONS, FOR USE AS A TEMPORARY AND REMOVABLE PROTECTIVE COVERING FOR ARTICLES DURING SHIPPING, HANDLING, AND STORAGE.
Claims use since Oct. 21, 1944.

431,989. (CLASS 39. CLOTHING.) AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed Dec. 12, 1944. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 477,453.

TwillSuede
American Woolen Co.

FOR LADIES' AND CHILDREN'S COATS AND SUITS.
Claims use since Nov. 27, 1944.

431,990. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LAWRENCE B. SCOTT, Columbus, Ohio. Filed Jan. 29, 1945. Serial No. 479,150.

INTERLOCK

FOR METALLIC RODS AND ELEMENTS FOR REPAIRING CRACKED OR BROKEN CASTINGS OF STEEL, IRON OR OTHER METALS.
Claims use since Nov. 1, 1944.

431,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAULINE M. GRIFFITH, Sunnyside, N. Y. Filed Feb. 2, 1945. Serial No. 479,340.

Stop-Split

FOR PREPARATION FOR PREVENTING THE SPLITTING OF FINGER NAILS.
Claims use since February 1940.

431,992. (CLASS 38. PRINTS AND PUBLICATIONS.) PLASTICS CATALOGUE CORPORATION, New York, N. Y. Filed May 4, 1945. Serial No. 483,007.

ENCYCLOPEDIA OF PLASTICS

FOR PERIODICAL PUBLICATION PUBLISHED ANNUALLY RELATING TO PLASTICS AND PROCESSES AND APPARATUS FOR MAKING SAME.
Claims use since 1943.

431,993. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) OAKES & COMPANY, Chicago, Ill., assignor to Oakes & Company, Chicago, Ill., a corporation of Illinois. Filed June 15, 1945. Serial No. 484,583.

CORDOVAN

The lining is for shading purposes only.
FOR AUTOMOBILE AND TRACTOR PNEUMATIC TIRES AND INNER TUBES, TIRE REPAIR KITS, TIRE RELINERS, BRAKE LINING, CLUTCH FACING, AUTOMOBILE FAN AND GENERATOR BELTS, JAR RINGS, GARDEN HOSE, RADIATOR HOSE, AIR HOSE, GASKETS, AND PUMP LEATHERS AND PACKING.
Claims use since Mar. 3, 1945.

431,994. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 25, 1945. Serial No. 484,994.

ARDENA

CELLULAR CREAM

FOR FACE AND BODY CREAMS.
Claims use since July 12, 1938.

431,995. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALTER E. SCHULTZ, doing business as The Schultz Laboratories, Boone, Iowa. Filed Aug. 6, 1945. Serial No. 486,817.

Mechanix

HAND SOAP



FOR SOAP.
Claims use since Apr. 14, 1944.

431,996. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOUBERT CIE, INC., New York, N. Y. Filed Aug. 14, 1945. Serial No. 487,135.

SULKA

FOR PREPARATION FOR GROOMING THE HAIR.
Claims use since May 18, 1945.

431,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL BASSI & COMPAÑIA, SOCIEDAD ANÓNIMA COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina. Filed Sept. 12, 1945. Serial No. 488,308.

Bassi

FOR CHOCOLATES, CANDY MADE OF CHOCOLATE AND COCOA, BONBONS, CARAMELS, CHOCOLATE DROPS, CANDIED FRUITS, GLAZED FRUITS IN SUGAR SYRUP AND IN MARMALADES, AND FRUIT AND VEGETABLE PASTE.
Claims use since September 1928.

431,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. LEKAS CORPORATION, New York, N. Y. Filed Sept. 19, 1945. Serial No. 488,698.

Lekas

FOR FOOD PRODUCTS—NAMELY, OLIVE OIL AND OLIVES.
Claims use since June 26, 1945.

431,999. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VANDERBILT TIRE & RUBBER CORP., New York, N. Y. Filed Oct. 26, 1945. Serial No. 490,561.

BREWSTER

FOR PNEUMATIC AUTOMOBILE TIRES.
Claims use since July 1944.

432,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WETHERHOLT'S PERFUME CO., Chicago, Ill. Filed Oct. 20, 1945. Serial No. 490,729.

Wetherholt

FOR PERFUME, COLOGNE, BUBBLE BATH COMPRISING LIQUID TO BE ADDED TO BATH WATER FOR FORMING BUBBLES AND POWDER MITT COMPRISING A POROUS BAG CONTAINING POWDER.
Claims use since Sept. 16, 1941.

432,001. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERSTATE COTTON OIL REFINING CO., Sherman, Tex., now by change of name Mrs. Tucker's Foods, Incorporated. Filed Nov. 8, 1945. Serial No. 491,260.

MIX-EZY

FOR VEGETABLE OIL SHORTENING.
Claims use since Sept. 24, 1945.

432,002. (CLASS 37. PAPER AND STATIONERY.) HORACE H. NAHM, doing business as Nahm Photogravure Company, New York, N. Y. Filed Dec. 15, 1945. Serial No. 493,384.

NAHM PHOTOGRAVURE

FOR WRITING PAPER AND LETTERHEADS FOR TYPEWRITTEN CORRESPONDENCE, ENVELOPES AND BLOTTERS.
Claims use since July 1940.

432,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOYER CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 30, 1946. Serial No. 495,681.

MORR

FOR SALVE FOR THE TREATMENT OF SKIN IRRITATIONS.
Claims use since Jan. 15, 1946.

432,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOOD CHEMICAL CO., INC., New York, N. Y. Filed Feb. 4, 1946. Serial No. 495,971.

THORORINSE

FOR RINSING AID SIMILAR CHEMICALLY TO A LAUNDRY SOUR.
Claims use since Jan. 4, 1946.

432,005. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE AUTO-DIESEL PISTON RING COMPANY, Cleveland, Ohio. Filed Feb. 7, 1946. Serial No. 496,120.

AUTO-DIESEL

FOR PISTON RINGS.
Claims use since June 1920.

432,006. (CLASS 38. PRINTS AND PUBLICATIONS.) IDA BISEK PROKOP, doing business as Prokop Studio, Lidgerwood, N. Dak. Filed Feb. 14, 1946. Serial No. 496,567.

PRAIRIE PICTURES

FOR PICTURES MADE FROM GRASSES, PLANTS AND FEATHERS.
Claims use since July 1, 1941.

432,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLINTON INDUSTRIES, INC., St. Louis, Mo., assignor to Chase Candy Company, a corporation of Missouri. Filed Mar. 20, 1946. Serial No. 498,590.

"Old New Orleans"



The drawing is lined to indicate the color red.
FOR CANDY.
Claims use since Feb. 4, 1946.

432,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIC MANUFACTURING CORPORATION, New York, N. Y. Filed Mar. 23, 1946. Serial No. 498,822.

Perfumor by BIC

The lining is for shading purposes only.
FOR APPLICATORS NOT MADE OF PRECIOUS METALS AND SOLD IN TRADE FILLED WITH LIQUID PERFUME, ROUGE AND TOILET POWDER.
Claims use since Mar. 18, 1946.

432,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST BEND CANNERS INC., West Bend, Wis. Filed Mar. 25, 1946. Serial No. 498,965.

CHUKFUL

FOR CANNED VEGETABLES.
Claims use since September 1940.

432,010. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAIRY ASSOCIATION COMPANY, INC., Lyndonville, Vt. Filed Apr. 5, 1946. Serial No. 499,698.

KALF-KARE

FOR VITAMIN PREPARATION FOR USE AS A SUPPLEMENT IN THE FEEDING OF CALVES.
Claims use since Oct. 5, 1945.

432,011. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 8, 1946. Serial No. 499,847.

THE LABOR ANGLE

FOR SECTIONS OF MAGAZINES ISSUED WEEKLY.
Claims use since Jan. 13, 1945.

432,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMFORT PRODUCTS, INC., Brooklyn, N. Y. Filed Apr. 12, 1946. Serial No. 500,060.



The drawing is lined for shading only.
FOR CREAM PREPARATION FOR USE AGAINST DIAPER RASH.
Claims use since November 1945.

432,013. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 15, 1946. Serial No. 500,210.

Wirelord

FOR PNEUMATIC TIRES AND INNER TUBES.
Claims use since on or about Mar. 5, 1946.

432,014. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BALDWIN BELTING INC., New York, N. Y. Filed Apr. 16, 1946. Serial No. 500,273.

BALDWIN
SUPERTAPE

FOR LEATHER BELTING.
Claims use since Sept. 1, 1945.

432,015. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 17, 1946. Serial No. 500,377.

COMIC COMICS

FOR MONTHLY PUBLICATION.
Claims use since Mar. 6, 1946.

432,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN ROSS, Jackson, Miss. Filed Apr. 27, 1946. Serial No. 501,090.

JOHN McGEE'S HERB TONIC

FOR HERB TONICS FOR THE TREATMENT OF INDIGESTION, CONSTIPATION, HEART BURN, BILIOUSNESS, COUGHS, COLDS, AND FOR TREATMENT OF DISEASES OF THE BLOOD.
Claims use since Apr. 1, 1946.

432,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAMSELL PRODUCTS INC., Des Moines, Iowa. Filed May 6, 1946. Serial No. 501,532.

Paint-Shield

FOR LIQUID COATING, FOR PROTECTING THE SURFACE OF ARTICLES IN HANDLING, OR FOR COVERING CERTAIN SURFACES OF ARTICLES BEING PAINTED, AND CAPABLE OF BEING LATER STRIPPED OFF FROM THE ARTICLES.
Claims use since Apr. 23, 1946.

432,018. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DIANA KRUTMAN, doing business as Moth Gard Products Company, New York, N. Y. Filed May 7, 1946. Serial No. 501,578.

MOTH GARD

FOR MOTH AND INSECT PREVENTATIVE PREPARATIONS.
Claims use since 1937.

432,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADVERTISING ARTS CORPORATION, New York, N. Y. Filed May 23, 1946. Serial No. 502,610.

Donna Lynn

FOR LIPSTICKS.
Claims use since May 9, 1946.

432,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLASTICOTE FABRICS CORP., Paterson, N. J. Filed May 27, 1946. Serial No. 502,838.

PLASTICOTE

FOR COATING COMPOUND USED TO RENDER TEXTILES WATERPROOF, STAINPROOF, ACID-RESISTANT, ALKALI RESISTANT, WASH-OFF-ABLE, AND TO GENERALLY INCREASE ITS WEARING QUALITIES.
Claims use since Apr. 19, 1946.

432,021. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THERMOPLASTIC FABRICS CORPORATION, New York, N. Y. Filed May 29, 1946. Serial No. 503,020.

Bonded Beauty

FOR TRANSLUCENT OR TRANSPARENT PLASTIC FILM SOLD IN SHEETS OR BY THE BOLT, USED FOR MAKING UP INTO ORDINARY HOUSEHOLD ARTICLES, SUCH AS CURTAINS, TABLE COVERS AND THE LIKE.
Claims use since February 1946.

432,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MEAT INDUSTRY SUPPLIERS, INC., Chicago, Ill. Filed May 31, 1946. Serial No. 503,111.

SWEET-R-R

FOR FOOD COMPOSITION IN LIQUID FORM CONSISTING OF CORN SYRUP, WATER, SODIUM NITRATE AND SODIUM NITRITE FOR CURING MEAT PRODUCTS.
Claims use since Mar. 29, 1946.

432,023. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ENRICHMENT PRODUCTS CO., New York, N. Y. Filed June 5, 1946. Serial No. 503,287.

FLAV-R-SAVE

FOR VITAMIN PREPARATION FOR CANNED, PRESERVED AND FROZEN VEGETABLES AND FRUIT TO PREVENT OXIDATION.
Claims use since Feb. 8, 1946.

432,024. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR M. CLARK, Stillwater, Okla. Filed June 11, 1946. Serial No. 503,633.

CHIP STIX STEAK ON A STICK CHIP STIX

FOR AN EDIBLE PRODUCT—NAMELY, STEAK ON A STICK.
Claims use since Mar. 25, 1946.

432,025. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed June 13, 1946. Serial No. 503,810.

ANIMAL FAIR

FOR PERIODICAL PUBLICATION, PUBLISHED MONTHLY.
Claims use since Feb. 6, 1946.

432,026. (CLASS 38. PRINTS AND PUBLICATIONS.) ROBBINS DRYCLEANING PUBLICATIONS, INC., New York, N. Y. Filed June 14, 1946. Serial No. 503,941.

DRYCLEANING INDUSTRIES

FOR MONTHLY MAGAZINE FOR MODERN CLEANERS.
Claims use since Apr. 1, 1946.

432,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAID-RITE PRODUCTS, INC., Muscatine, Iowa. Filed June 17, 1946. Serial No. 504,055.

MAID-RITE

FOR HAMBURGER SANDWICHES.
Claims use since Aug. 1, 1925.

432,028. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHESTER L. BOE, doing business as Boco, Chicago, Ill. Filed June 19, 1946. Serial No. 504,152.

BO DRI

FOR SOLUTION WHICH IS TO BE ADDED TO WATER AND USED ON WASHABLE GARMENTS AND FABRICS TO RENDER THEM WATER REPELLENT.
Claims use since Apr. 23, 1946.

432,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA LEE, INC., Waco, Tex. Filed June 19, 1946. Serial No. 504,186.

MARTHA LEE

The drawing is lined to indicate green and silver.
FOR CLEANSING CREAM, MEDICATED LOTION, ASTRINGENT PREPARATION, ASTRINGENT LOTION, FACIAL PACK, LUBRICANT LOTION, LUBRICANT CREAM, NIGHT CREAM, SKIN CREAM, SKIN FRESHENING PREPARATION, FACIAL OIL, FINISHING LOTION, COLOGNE, AND SPECIAL MIXTURE, A SKIN CREAM FOR USE AT NIGHT TO HELP KEEP THE SKIN SMOOTH AND FREE OF LINES AND WRINKLES.
Claims use since Apr. 19, 1946.

432,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA LEE, INC., Waco, Tex. Filed June 19, 1946. Serial No. 504,187.

MARTHA LEE

The drawing is lined to indicate green.
FOR FACE POWDER.
Claims use since Apr. 19, 1946.

432,031. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHA LEE, INC., Waco, Tex. Filed June 25, 1946. Serial No. 504,565.

MARTHA LEE

The drawing is lined to indicate green and white.
FOR EYELID CREAM, MAKE-UP CREAM AND MEDICATED CREAM FOR THE TREATMENT OF PIMPLES AND SLIGHT SKIN IRRITATIONS.
Claims use since Apr. 19, 1946.

432,032. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed June 26, 1946. Serial No. 504,643.

SPECIAL REPORT on World Commodities

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since May 27, 1946.

432,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY VIEW PACKING COMPANY, San Jose, Calif. Filed July 1, 1946. Serial No. 504,951.

Always! CALIFORNIA'S BEST

FOR DRIED FRUITS.
Claims use since Apr. 1, 1946.

432,034. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LESLIE A. STEPHENS, Cleveland, Ohio. Filed July 17, 1946. Serial No. 505,778.

PRESERV-A-SHAPE

FOR RETREADED OR RECAPPED VEHICLE TIRES, MADE OF NATURAL OR SYNTHETIC RUBBER.
Claims use since June 1, 1946.

432,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVON PRODUCTS, INC., New York, N. Y. Filed July 18, 1946. Serial No. 505,794.

COLOR CLUSTER

FOR COSMETIC MAKE-UP SET CONTAINING COMPACT ROUGE, LIPSTICK AND NAIL POLISH.
Claims use since Apr. 10, 1946.

432,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTIN BEAUTY PRODUCTS CO., New York, N. Y. Filed July 20, 1946. Serial No. 505,973.

Martin's 4 L's 4 LIGHT LIVELY LOVELY & LUSTROUS HAIR

FOR SCALP OIL.
Claims use since Apr. 9, 1946.

432,037. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLYMPIA OYSTER COMPANY, INC., Olympia, Wash. Filed July 22, 1946. Serial No. 506,058.

OYSTER BAY

FOR FRESH OYSTERS.
Claims use since May 7, 1946.

432,038. (CLASS 37. PAPER AND STATIONERY.) SAMUEL L. UNGER, New York, N. Y. Filed July 23, 1946. Serial No. 506,146.

"Return-A-Card"

FOR LETTERHEADS SOLD TO THE TRADE AND BEARING A RETURN MAILING CARD.
Claims use since Dec. 15, 1938.

432,039. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FACTORY EXPEDITOR, INC., Chicago, Ill. Filed July 25, 1946. Serial No. 506,237.

PRODUCTION INFORMATION

FOR TRADE MAGAZINE RELATING TO PRODUCTION OF MACHINERY.
Claims use since April 1945.

432,040. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed July 26, 1946. Serial No. 506,312.

HOME FURNISHINGS

FOR MAGAZINE.
Claims use since June 7, 1946.

432,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL'S CANNERY, Crescent City, Calif. Filed July 29, 1946. Serial No. 506,469.

Del Norte

FOR CANNED FISH AND CANNED SHELLFISH.
Claims use since Mar. 1, 1946.

432,042. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES A. KENNY, doing business as Cats Magazine, Utica, N. Y. Filed Aug. 3, 1946. Serial No. 506,818.

Cats

FOR MAGAZINES.
Claims use since Dec. 31, 1944.

432,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. DENNIS BLOOMFIELD, doing business as Just Chemical Co., Orange, N. J. Filed Aug. 9, 1946. Serial No. 507,100.

FLAME CHEK

The drawing is lined for the color red.
FOR FLAMEPROOFING CHEMICAL COMPOUND.
Claims use since Dec. 15, 1945.

432,044. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID THALL, doing business as Thall's Home Remedies, Manchester, N. H. Filed Aug. 21, 1946. Serial No. 507,759.

THALL'S

FOR COUGH SYRUP TO RELIEVE DRY COUGH DUE TO MILD COLDS; A MILD STIMULANT DIURETIC TO THE KIDNEYS; AN IRON RESTORATIVE TONIC; A NERVE TONIC; A MILD DIGESTIVE, INDICATED AS A STOMACHIC TO RELIEVE MINOR BILIOUS COLIC AND FOR OCCASIONAL DIARRHOEA; A PREPARATION TO RELIEVE MINOR MUSCULAR ACHING PAINS AND SIMPLE NEURALGIA; A NUTRITIVE TONIC; A LAXATIVE AND FOR OCCASIONAL CONSTIPATION; A MILD ALTERATIVE INDICATED FOR MINOR SKIN IRRITATIONS AND MINOR ACNE; A PREPARATION USED AS A ROUND WORM EXPELLER AND A MILD LAXATIVE; A MILD RESTORATIVE TONIC AND A MILD STIMULANT; A PREPARATION TO RELIEVE BRONCHIAL IRRITATIONS AND FOR DISORDERS OF RESPIRATION DUE TO MILD COLDS; A VEGETABLE COMPOUND, INDICATED AS A VEGETABLE TONIC; A FEEBLE DIURETIC; A LINIMENT TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA AND SPRAINS; A PREPARATION USED FOR SCALP TREATMENT, INDICATED TO REMOVE DANDRUFF, TO SOFTEN DRY SCALY SCALP, TO RELIEVE ITCHING, AND TO KEEP THE HAIR IN PLACE; AN OINTMENT TO RELIEVE ITCHING PIMPLES AND AS A RELIEF FOR MINOR ACNE AND MINOR SKIN IRRITATIONS; AN OINTMENT TO RELIEVE ITCHING AND BURNING OF MINOR ECZEMA, PIMPLES, SUNBURN, AND MINOR SKIN IRRITATIONS; AN OINTMENT TO RELIEVE MINOR ACHING PAINS, ITCHING AND MINOR IRRITATIONS OF THE RECTUM; AN OINTMENT TO RELIEVE MINOR SKIN IRRITATIONS AND AS AN APPLICATION FOR MINOR WOUNDS AND MINOR CUTS; AN OINTMENT TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA AND SPRAINS; TABLETS INDICATED TO RELIEVE MINOR MUSCULAR ACHING PAINS, SIMPLE NEURALGIA, AND HEADACHES DUE TO MILD COLDS; EFFERVESCENT TABLETS, INDICATED AS A MILD DIURETIC AND URINARY ANTISEPTIC; TABLETS INDICATED TO RELIEVE MILD INDIGESTION AND GAS; POWDER USEFUL FOR NOSE AND THROAT SPRAYS AND MINOR IRRITATIONS OF THE THROAT EFFECTED BY MILD COLDS; FOOT POWDER USEFUL TO ELIMINATE FOOT ODOR, TO ABSORB SKIN MOISTURE FROM TENDER FEET; POWDER USEFUL AS A MILD ANTISEPTIC FOR A DOUCHE OR A WASH; NOSE AND THROAT INHALANT USEFUL FOR NOSE AND THROAT SPRAYS TO RELIEVE IRRITABLE CONDITIONS OF THE NOSE AND THROAT DUE TO MILD COLDS; EARACHE DROPS AND TOOTHACHE DROPS.
Claims use since Jan. 15, 1929.

432,045. (CLASS 39. CLOTHING.) SCHNEIDER & SCHULTZ, INC., New York, N. Y. Filed Aug. 23, 1946. Serial No. 507,942.

Audrey Alan

FOR GIRLS', TEEN-AGE GIRLS', JUNIOR MISSES' AND WOMEN'S APPAREL—NAMELY, COATS, SUITS, WRAPS AND MANTLES.
Claims use since Nov. 8, 1944.

432,046. (CLASS 38. PRINTS AND PUBLICATIONS.) BUHAI PUBLISHING CO., INC., Chicago, Ill. Filed Aug. 26, 1946. Serial No. 508,028.

The RESTAURANT DIGEST

FOR MAGAZINE.
Claims use since May 1946.

432,047. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD H. STAUFFER, doing business as B. H. Stauffer Research Laboratory, Los Angeles, Calif. Filed Aug. 30, 1946. Serial No. 508,318.

Sally Stauffer

FOR PERFUME, NAIL POLISH, BATH SOLUTION FOR CLEANSING THE PORES, FACE CREAMS, LIPSTICK AND FACE POWDER.
Claims use since Jan. 22, 1946.

432,048. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Sept. 25, 1946. Serial No. 509,700.

LANCE O'CASEY

FOR PERIODICAL PUBLICATION.
Claims use since Feb. 3, 1943.

432,049. (CLASS 38. PRINTS AND PUBLICATIONS.) KENFIELD-DAVIS PUBLISHING CO., Chicago, Ill. Filed Oct. 2, 1946. Serial No. 510,086.

MASS Transportation

FOR PUBLICATION ISSUED PERIODICALLY OF INTEREST TO THOSE IN THE TRANSPORTATION BUSINESS.
Claims use since March, 1935.

432,050. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN TRADE PUBLISHING CO., New York, N. Y. Filed Oct. 11, 1946. Serial No. 510,640.

BAKERS Weekly

FOR WEEKLY MAGAZINE.
Claims use since 1907.

432,051. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Oct. 18, 1946. Serial No. 511,098.

RUMPLE CREPE

FOR COTTON AND/OR RAYON PIECE GOODS.
Claims use since Oct. 11, 1945.

432,052. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Oct. 19, 1946. Serial No. 511,171.

WAVY KOOL

FOR COTTON AND/OR RAYON PIECE GOODS. Claims use since Oct. 11, 1945.

432,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOOD-TREATING CHEMICALS COMPANY, St. Louis, Mo. Filed Oct. 21, 1946. Serial No. 511,256.

COPPER TREAT

FOR CHEMICAL PREPARATION FOR USE AS A WOOD PRESERVATIVE. Claims use since Sept. 15, 1945.

432,054. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. B. LEONARDI & CO. INC., New Rochelle, N. Y. Filed Jan. 20, 1947. Serial No. 516,042.



FOR TONIC PREPARATIONS FOR THE TREATMENT OF CHILLS; AGUE; INTERMITTENT, REMITTENT, AND CONTINUED FEVERS. Claims use since January 1901.

TRADE-MARK REGISTRATIONS RENEWED

29,568. **MALT-VIVINE.** MALT EXTRACT. Registered Feb. 9, 1897. VAL BLATZ BREWING COMPANY. Renewed Feb. 9, 1947, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin. Class 48.

29,579. **"RED CROSS" AND REPRESENTATION OF GREEK CROSS.** HYDRAULIC OR FIRE HOSE MADE OF A PECULIAR CONSTRUCTION IN PLY, ETC. Registered Feb. 23, 1897. EUREKA FIRE HOSE COMPANY. Re-renewed Feb. 23, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

29,620. **RAIN-BESTO.** PACKING, GASKETS, AND RUBBER COMPOUND. Registered Mar. 2, 1897. THE PEERLESS RUBBER MFG. CO. Re-renewed Mar. 2, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

29,696. **"SHAKESPERIAN VERTICAL SCHOOL PEN" AND PICTURE OF WM. SHAKESPEARE.** PENS FOR VERTICAL WRITING. Registered Mar. 16, 1897. SPENCERIAN PEN COMPANY, Newark, N. J., and New York, N. Y. Re-renewed Mar. 16, 1947, to Spencerian Pen Company Inc., New York, N. Y., a corporation of New York. Class 37.

30,156. **"CASCADE" ETC. AND REPRESENTATION OF A STILL ETC.** WHISKY. Registered June 8, 1897. GEO. A. DICKEL & CO., Nashville, Tenn. Re-renewed June 8, 1947, to Geo. A. Dickel Distilling Co., Wilmington, Del., a corporation of Delaware. Class 49.

30,305. **"HIGHLAND QUEEN" ETC. AND DESIGN.** CANNED FRUITS — BLUEBERRIES, PEACHES, PEARS, APRICOTS, AND ALL KINDS OF SMALL BERRIES; AND CERTAIN OTHER CANNED FOODS. Registered June 29, 1897. PORTLAND PACKING CO. Re-renewed June 29, 1947, to Portland Packing Co., Portland, Maine, a corporation of Maine. Class 46.

58,540. **"BEEHIVE SAFETY MATCH" AND REPRESENTATION OF BEEHIVE ETC.** SAFETY-MATCHES. Registered Dec. 18, 1906. NITEDALS TAENDSTIKFABRIK, Christiania and Gronvold, Norway. Re-renewed Dec. 18, 1946, to Bryn-Halden & Nitedals Taendstikfabrik A/S, Gronvold Ostre Aker near Oslo, Norway, a joint stock company registered under the laws of the Kingdom of Norway. Class 9.

59,105. **"VANDA" ETC. AND DRAWING.** STEAM AND PRESSURE PACKING IN SHEET AND COIL FORM. Registered Jan. 1, 1907. I. X. L. STEAM PACKING MANUFACTURING CO. Re-renewed Jan. 1, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

59,108. **PEERLESS.** RUBBER BELTING, HOSE, AND MACHINERY PACKING. Registered Jan. 1, 1907. PEERLESS RUBBER MANUFACTURING COMPANY. Re-renewed Jan. 1, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

59,408. **"MANITOU".** MINERAL WATER, TABLE-WATER, AND A BEVERAGE MADE FROM GINGER. Registered Jan. 8, 1907. THE MANITOU MINERAL SPRINGS COMPANY, Manitou, Colo. Re-renewed Jan. 8, 1947, to The Manitou Mineral Water Company, Colorado Springs, Colo., a corporation of Colorado. Class 45.

59,474. **"ALCYON".** BICYCLES, MOTOR-CYCLES, TRICYCLES, QUADRICYCLES, MOTOR-CARS, MOTOR CANOES OR BOATS. Registered Jan. 8, 1907. EDMOND GENTIL, Neuilly-Sur-Seine, near Paris, France. Re-renewed Jan. 8, 1947, to Societe Gentil & Cie, Courbevoie (Seine) France, a joint stock company of France. Class 19.

59,475. **OLD HAMPSHIRE BOND.** HIGH-GRADE PAPERS FOR USE IN WRITING, PRINTING, AND ENGRAVING. Registered Jan. 8, 1907. HAMPSHIRE PAPER COMPANY. Re-renewed Jan. 8, 1947, to Carew Manufacturing Company, South Hadley Falls, Mass., a corporation of Massachusetts. Class 37.

59,476. **TITAN BOND.** HIGH-GRADE PAPERS FOR USE IN WRITING, PRINTING, AND ENGRAVING. Registered Jan. 8, 1907. HAMPSHIRE PAPER COMPANY. Re-renewed Jan. 8, 1947, to Carew Manufacturing Company, South Hadley Falls, Mass., a corporation of Massachusetts. Class 37.

59,499. **RICHMOND.** PIANOS. Registered Jan. 8, 1907. RICHMOND PIANO CO. Re-renewed Jan. 8, 1947. The Starr Piano Company, Inc., Richmond, Ind., a corporation of Indiana. Class 36.

59,672. **REPRESENTATION OF A PISTOL AND A HEART.** KNIVES, FORKS, SCISSORS, RAZORS, SHEARS, FILES, AND SAWS. Registered Jan. 15, 1907. JOSEPH ALLEN & SONS LIMITED, Sheffield, England, a corporation of the United Kingdom. Re-renewed Jan. 15, 1947. Class 23.

59,798. **THYMINIC.** URIC-ACID SOLVENT. Registered Jan. 15, 1907. THE SOLUROL (THYMIC ACID) COMPANY, LIMITED. Re-renewed Jan. 15, 1947, to The Pharmaco-Chemical Products Co., Ltd., London, England, a corporation organized under the laws of Great Britain and Northern Ireland. Class 6.

59,808. **REPRESENTATION OF A DEER'S FOOT.** PORK SCRAPS, SAUSAGES, SAUSAGE-MEAT AND BACON. Registered Jan. 15, 1907. ROBERT M. BURNETT. Re-renewed Jan. 15, 1947, to Deerfoot Farms Company, Southboro, Mass., a corporation of Delaware. Class 46.

60,108. **MOTLEY'S ROLLER PATENT INSERTED ON WORDING BIG B ETC.** WHEAT-FLOUR. Registered Jan. 29, 1907. MOSELEY & MOTLEY MILLING CO., Rochester, N. Y. Re-renewed Jan. 29, 1947, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York. Class 46.

60,153. **SHAVOLA.** SHAVING-SOAP. Registered Jan. 29, 1907. J. T. ROBERTSON COMPANY, Manchester, Conn. Re-renewed Jan. 29, 1947, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

60,194. **REPRESENTATION OF CROSSED ARROWS.** RUBBER BOOTS AND SHOES. Registered Jan. 29, 1907. HOOD RUBBER CO., Boston, Mass. Re-renewed Jan. 29, 1947, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 39.

60,204. **"STARR THE MARK OF QUALITY RICHMOND INDIANA" AND REPRESENTATION OF PIANO IN CIRCULAR DESIGN.** PIANOS. Registered Jan. 29, 1907. THE STARR PIANO COMPANY. Re-renewed Jan. 29, 1947, to The Starr Piano Company, Inc., Richmond, Ind., a corporation of Indiana. Class 36.

60,481. **REPRESENTATION OF AN ARROW.** RUBBER BOOTS AND SHOES. Registered Feb. 12, 1907. HOOD RUBBER CO., Boston, Mass. Re-renewed Feb. 12, 1947, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 39.

60,535. **"M" AND DIAMOND-SHAPED DESIGN.** COUPLERS, AND COUPLER PARTS, TOP CENTER PLATES, BOTTOM CENTER PLATES, AND OTHER TRUCK PARTS, WHEEL CENTERS, AND CROSS-HEADS. Registered Feb. 12, 1907. LATROBE STEEL AND COUPLER COMPANY, Philadelphia, Pa. Re-renewed Feb. 12, 1947, to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio. Class 19.

60,677. **"GOLD TURTLE CHOP" ETC. AND REPRESENTATION OF A TURTLE.** TEAS. Registered Feb. 19, 1907. E. B. MILLAR & COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Feb. 19, 1947. Class 46.

60,697. **"SUN" AND REPRESENTATION OF SUN ETC.** POLISH, COMPRISING BLACK-LEAD, PLUMBAGO, OR GRAPHITE AND FOR STOVE POLISH. Registered Feb. 19, 1907. FELICIA V. MORSE, Canton, Mass. Re-renewed Feb. 19, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

60,698. **"RISING SUN" AND REPRESENTATION OF SUN.** POLISH COMPRISING BLACK-LEAD, PLUMBAGO, OR GRAPHITE, AND FOR STOVE-POLISH. Registered Feb. 19, 1907. FELICIA V. MORSE, Canton, Mass. Re-renewed Feb. 19, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

60,700. **SUN.** POLISH COMPRISING BLACK-LEAD, PLUMBAGO, OR GRAPHITE, AND FOR STOVE-POLISH. Registered Feb. 19, 1907. FELICIA V. MORSE, Canton, Mass. Re-renewed Feb. 19, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

60,702. **RISING SUN.** POLISH COMPRISING BLACK-LEAD, PLUMBAGO, OR GRAPHITE, AND FOR STOVE-POLISH. Registered Feb. 19, 1907. FELICIA V. MORSE, Canton, Mass. Re-renewed Feb. 19, 1947, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

60,735. **"READ BROTHERS, LONDON" DOG'S HEAD ETC. AND REPRESENTATION OF A BULL DOG'S HEAD.** BOTTLED BEER. Registered Feb. 19, 1907. READ BROTHERS, LIMITED, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Feb. 19, 1947. Class 48.

60,765. **COPYGRAPH.** LEAD PENCILS. Registered Feb. 19, 1907. EAGLE PENCIL COMPANY. Re-renewed Feb. 19, 1947, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Class 37.

61,489. **"WONDER-WEAR" AND OVAL DESIGN.** MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERSHIRTS AND DRAWERS. Registered Mar. 26, 1907. ROBISCHOW & PECKHAM COMPANY, New York, N. Y. Re-renewed Mar. 26, 1947, to Augusta Knitting Corporation, Utica, N. Y., a corporation of New York. Class 39.

61,736. **PARSONS WHITE BRASS.** AN ALLOY OF METALS USED FOR BEARINGS AND OTHER PURPOSES. Registered Apr. 2, 1907. THE MANGANESE BRONZE & BRASS CO. LTD., London, England, a company organized under the laws of Great Britain. Re-renewed Apr. 2, 1947. Class 14.

61,787. **EAGLE AND REPRESENTATION OF A DOUBLE EAGLE.** CANNED SARDINES. Registered Apr. 2, 1907. NO. LUBEC MFG. & CANNING CO. Re-renewed Apr. 2, 1947, to North Lubec Mfg. & Canning Company, North Lubec, Maine, a corporation of Maine. Class 46.

62,206. **HESS.** MEDICATED STOCK FOODS. Registered Apr. 23, 1907. DR. HESS & CLARK. Re-renewed Apr. 23, 1947, to Dr. Hess & Clark, Inc., Ashland, Ohio, a corporation of Ohio. Class 6.

62,266. **MONARCH.** RUBBER TIRES. Registered Apr. 30, 1907. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Apr. 30, 1947. Class 35.

62,311. **DR. HESS.** MEDICATED STOCK FOODS. Registered Apr. 30, 1907. DR. HESS & CLARK. Re-renewed Apr. 30, 1947, to Dr. Hess & Clark, Inc., Ashland, Ohio, a corporation of Ohio. Class 6.

62,405. **"MABBS" AND REPRESENTATION OF RAW HIDE.** RAWHIDE PACKING. Registered May 7, 1907. MABBS HYDRAULIC PACKING CO., Chicago, Ill., a corporation of Illinois. Re-renewed May 7, 1947. Class 35.

62,516. **GARGOYLE.** FLOOR AND LINOLEUM DRESSING WAXES, COATING OILS, AND GREASES FOR PRESERVING WOODS AND METALS. Registered May 14, 1907. VACUUM OIL COMPANY, Rochester, N. Y. Re-renewed May 14, 1947, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 16.

62,580. **KID FINISH.** WRITING-PAPER AND ENVELOPES. Registered May 14, 1907. Z. & W. M. CRANE. Re-renewed May 14, 1947, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts. Class 37.

62,595. **TOURING.** CARD GAME. Registered May 14, 1907. WILLIAM J. ROCHE, New Bethlehem, Pa. Re-renewed May 14, 1947, to Parker Brothers, Inc., Salem, Mass., a corporation of Maine. Class 22.

62,629. **GARGOYLE AND DESIGN.** CHEMICAL MIXTURES FOR TANNING. Registered May 14, 1907. VACUUM OIL COMPANY, Rochester, N. Y. Re-renewed May 14, 1947, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 6.

62,821. **GARGOYLE AND DESIGN.** LUBRICATING, ILLUMINATING, AND HEATING OILS, GREASES, AND WAXES, PIPE-JOINT GREASE, PARAFFIN-WAX, CHEESE-COATING WAX, ETC. Registered May 28, 1907. VACUUM OIL COMPANY, Rochester, N. Y. Re-renewed May 28, 1947, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 15.

62,991. **PAIN-EXPELLER.** A REMEDY FOR RHEUMATISM, GOUT, NEURALGIA, LUMBAGO, COLDS, SPRAINS, BRUISES, AND CRAMPS IN THE STOMACH. Registered June 4, 1907. FRIEDRICH ADOLF RICHTER, Rudolstadt, Germany, and New York, N. Y. Re-renewed June 4, 1947, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

62,999. **SKIPPER.** RUBBER BOOTS AND SHOES. Registered June 4, 1907. HOOD RUBBER COMPANY, East Watertown and Boston, Mass. Re-renewed June 4, 1947, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 39.

63,012. **ABICAN.** MUCOUS ASTRINGENT FOR INTERNAL AND EXTERNAL USE. Registered June 4, 1907. RIO CHEMICAL CO., New York, N. Y., a corporation of Missouri. Re-renewed June 4, 1947. Class 6.

63,090. **"BOVRILL" BOVRILL LIMITED LONDON AND DESIGN.** EXTRACTS AND ESSENCES OF MEAT. Registered June 4, 1907. BOVRIL LIMITED, London, England. Re-renewed June 4, 1947, to Bovril of America Inc., New York, N. Y., a corporation of New Jersey. Class 46.

63,152. **"FROM HIDE TO RETAILER".** BOOTS AND SHOES OF LEATHER. Registered June 11, 1907. ENDICOTT-JOHNSON COMPANY. Re-renewed June 11, 1947, to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Class 39.

63,171. **REPRESENTATION OF A DOG'S HEAD AND LETTER D.** COTTON SHEETINGS, SHIRTINGS, AND DRILLS. Registered June 11, 1907. THE HENRIETTA MILLS, Henrietta and Caroleen, N. C., a corporation of North Carolina. Re-renewed June 11, 1947. Class 42.

63,177. **JOB.** TOBACCO, CIGARS, AND CIGARETTES. Registered June 11, 1907. MAISON PIERRE BARDOU-JOB. Re-renewed June 11, 1947, to Société Job, Anciens Etablissements Bardou-Job et Paulhac, Toulouse, Perpignan, France, a corporation organized under the laws of France. Class 17.

63,203. **CHOCOLAX.** LAXATIVES. Registered June 11, 1907. STEARNS & CURTIUS, New York, N. Y. Re-renewed June 11, 1947, to Nyal Company, Detroit, Mich., a corporation of Michigan. Class 6.

63,286. **PREMIUM.** BISCUIT. Registered June 11, 1907. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed June 11, 1947. Class 46.

63,316. **"HOLLY" AND REPRESENTATION OF A HOLLY LEAF.** WHEAT-FLOUR. Registered June 11, 1907. THE NEW CENTURY MILLING COMPANY. Re-renewed June 11, 1947, to Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware. Class 46.

63,332. **M. B. C.** PAINTS, VARNISHES, STAINS, ENAMELS, DRIERS, FILLERS, PAINT COLORS, FLOOR-WAXES, LEADS, AND PUTTY. Registered June 18, 1907. EAGLE PAINT & VARNISH COMPANY, Allegheny City, Pa. Re-renewed June 18, 1947, to The Watson-Standard Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 16.

63,423. **"DIETZ" ETC. AND CIRCULAR DESIGN.** GLOBES FOR LAMPS AND LANTERNS. Registered June 18, 1907. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed June 18, 1947. Class 33.

63,490. **ESTERBROOK.** METALLIC PENS. Registered June 25, 1907. THE ESTERBROOK STEEL PEN MFG. CO. Re-renewed June 25, 1947, to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey. Class 37.

63,595. **VIAVI.** REMEDIES FOR DISEASES OF WOMEN, MORE PARTICULARLY DISEASES OF THE GENITAL AND URINARY ORGANS, CATARRHAL AND OTHER CONDITIONS. Registered June 25, 1907. HARTLAND LAW, HERBERT E. LAW. Re-renewed June 25, 1947, to The Viavi Company, San Francisco, Calif., a corporation of California. Class 6.

63,687. **"ANCHOR" AND REPRESENTATION OF AN ANCHOR.** PAPER AND PAPER-BOARDS FOR WRAPPING PURPOSES. Registered July 2, 1907. THE UNION BAG & PAPER COMPANY. Re-renewed July 2, 1947, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 37.

220,719. **BABY PEGGY.** CANDY AND CANDY BARS. Registered Nov. 16, 1926. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 16, 1946. Class 46.

221,998. **1788.** BELTING AND HOSE COMPOSED OF RUBBER AND FIBROUS MATERIAL. Registered Dec. 21, 1926. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 35.

222,135. **"U" AND KEYSTONE DESIGN.** UNFINISHED STEEL CASTINGS, PARTICULARLY FRAMES, WHEEL CENTERS, DRIVING BOXES, FRAME CROSSTIES, CROSSHEADS AND OTHER NAMED ITEMS OF SUCH MACHINERY. Registered Dec. 21, 1926. UNION STEEL CASTING COMPANY, Pittsburgh, Pa. Renewed Dec. 21, 1946, to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey. Class 14.

222,172. **PARLOR BEDROOM & SINK.** CARTOONS. Registered Dec. 28, 1926. KING FEATURES SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,173. **IT'S PAPA WHO PAYS!** CARTOONS. Registered Dec. 28, 1926. KING FEATURES SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,175. **HOMELESS HECTOR.** CARTOONS. Registered Dec. 28, 1926. INTERNATIONAL FEATURE SERVICE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,183. **DINGLEHOOFER UND HIS DOG ADOLPH.** CARTOONS. Registered Dec. 28, 1926. INTERNATIONAL FEATURE SERVICE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,187. **MISTAKES WILL HAPPEN.** CARTOONS. Registered Dec. 28, 1926. KING FEATURES SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,200. **WHEN MOTHER WAS A GIRL BUT DAUGHTER OH!** CARTOONS. Registered Dec. 28, 1926. THE PREMIER SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,203. **LAURA.** CARTOONS. Registered Dec. 28, 1926. KING FEATURES SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,204. **DIZZIE'S EATING HOUSE.** CARTOONS. Registered Dec. 28, 1926. KING FEATURES SYNDICATE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,206. **DICTATED BUT NOT READ.** CARTOONS. Registered Dec. 28, 1926. INTERNATIONAL FEATURE SERVICE, INC. Renewed Dec. 28, 1946, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,213. **BLATZ.** CANDY, AND DRIED GRAINS AS A CATTLE FOOD. Registered Dec. 28, 1926. VALENTIN BLATZ BREWING COMPANY. Renewed Dec. 28, 1946, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin. Class 46.

222,259. **BLATZ.** ROOT BEER, GINGER ALE, CARBONATED WATER, AND MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS. Registered Dec. 28, 1926. VALENTIN BLATZ BREWING COMPANY. Renewed Dec. 28, 1946, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin. Class 45.

222,296. **INOTON.** ANTIPHLOGISTIC AND ANTIPRURITIC OINTMENT AND POWDER. Registered Dec. 28, 1926. SOCIÉTÉ ANONYME DES LABORATORIES DU DOCTEUR DEBAT, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Dec. 28, 1946. Class 6.

222,461. **"BUTTER-CREAM BREAD" ETC. AND DESIGN.** BREAD. Registered Jan. 4, 1927. JAMESTOWN BAKING COMPANY, INC., Jamestown, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 46.

222,482. **TANGS.** BISCUIT, CAKE, CRACKERS. Registered Jan. 4, 1927. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Jan. 4, 1947. Class 46.

222,559. **UNITED.** LUBRICATING OILS AND GREASES MADE FROM CRUDE PETROLEUM AND FOR LUBRICATING OILS AND GREASES MANUFACTURED FROM CRUDE PETROLEUM PRODUCTS AND OTHER MINERAL, VEGETABLE, AND ANIMAL PRODUCTS. Registered Jan. 4, 1927. UNITED OIL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Jan. 4, 1947. Class 15.

222,621. **EL TORO.** CHILI POWDER, A PREPARATION MADE OF PEPPERS, CEREAL, HERBS, AND AROMATICS. Registered Jan. 4, 1927. E. B. MILLAR & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Jan. 4, 1947. Class 46.

222,645. **HANKIPACK.** HANDKERCHIEFS. Registered Jan. 4, 1927. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Jan. 4, 1947. Class 42.

222,648. **KASHMIRANA.** WOOLEN PIECE GOODS. Registered Jan. 4, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Jan. 4, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

222,763. **"MONS BRAND" AND DESIGN ETC. CEMENTS.** Registered Jan. 11, 1927. C. B. R. CIMENTERIES ET BRIQUETERIES REUNIES S. A., Antwerp, Belgium. Renewed Jan. 11, 1947, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium, a corporation organized under the laws of Belgium. Class 12.

222,776. **BAKELITE.** VIOLIN, VIOLONCELLO, AND VIOLA BRIDGES, KEYS, STOPS, CHIN-RESTS, AND BOWS, MANDOLIN, GUITAR, BANJO, UKULELE AND ZITHER KEYS, AND OTHER NAMED MUSICAL ITEMS. Registered Jan. 11, 1927. BAKELITE CORPORATION. Renewed Jan. 11, 1947, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 36.

222,841. **UNCLE SAM'S.** MACARONI, SPAGHETTI, AND EGG NOODLES. Registered Jan. 11, 1927. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed Jan. 11, 1947. Class 46.

222,855. **REPRESENTATION OF UNCLE SAM AND DESIGN.** MACARONI, SPAGHETTI, AND EGG NOODLES. Registered Jan. 11, 1927. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed Jan. 11, 1947. Class 46.

222,868. **KASHMIRETTE.** WOOLEN PIECE GOODS. Registered Jan. 11, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Jan. 11, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

222,882. **INTENSI-FIRE.** FINISHED PARTS FOR HEATING STOVES. Registered Jan. 11, 1927. THE ESTATE STOVE COMPANY, Hamilton, Ohio. Renewed Jan. 11, 1947, to Noma Electric Corporation, New York, N. Y., a corporation of Maryland. Class 34.

223,035. **"POWERIZER" AND HEAVY UNDERLINE.** BATTERY ELIMINATORS, BATTERY CHARGERS; AMPLIFIERS—NAMELY, ELECTRON TUBES USED FOR AUDIO AMPLIFICATION AND POWER-CURRENT-SUPPLY DEVICES FOR RADIO APPARATUS. Registered Jan. 11, 1927. RADIO RECEPTOR COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 21.

223,076. **I C C AND REPRESENTATION OF A COAL MINER, ETC.** COAL. Registered Jan. 18, 1927. IMPERIAL COAL CORPORATION, New York, N. Y., a corporation of Pennsylvania. Renewed Jan. 18, 1947. Class 1.

223,144. **"HOOD" AND DESIGN.** PNEUMATIC AND CUSHION TIRES AND TUBES. Registered Jan. 18, 1927. HOOD RUBBER COMPANY, Watertown, Mass. Renewed Jan. 18, 1947, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 35.

223,147. **"SERVICE" AND REPRESENTATION OF TORCH AND DESIGN.** CANDLES AND CANDLE BASES, PARAFFIN WAX, GASOLINE, KEROSENE AND LUBRICATING OILS AND LUBRICATING GREASES. Registered Jan. 18, 1927. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Jan. 18, 1947. Class 15.

223,168. **HANDY-ANDY.** TIRE AND TUBE REPAIR KITS AND TIRE-PATCHING MATERIALS. Registered Jan. 18, 1927. THE MILLER RUBBER COMPANY, Akron, Ohio. Renewed Jan. 18, 1947, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 35.

223,177. **ARIEL.** TOILET AND BATH SOAP. Registered Jan. 18, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Jan. 18, 1947. Class 4.

223,184. **CRUSADER.** VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER AND FABRIC. Registered Jan. 18, 1927. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Jan. 18, 1947. Class 35.

223,201. **CASSALA.** WOOLEN PIECE GOODS. Registered Jan. 18, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Jan. 18, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

223,212. **ROTAREX.** ELECTRICALLY OPERATED MOTORS, FANS, EXHAUST BLOWERS, AND MACHINES FOR GRINDING, POLISHING, AND BUFFING. Registered Jan. 18, 1927. THE APEX ELECTRICAL MANUFACTURING CO., Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 18, 1947. Class 21.

223,221. **ASHES OF ROSES.** TOILET SOAP. Registered Jan. 18, 1927. BOURJOIS, INC., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 4.

223,247. **CREPEEN.** WOOLEN PIECE GOODS. Registered Jan. 25, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Jan. 25, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

223,249. **SILVERTONE.** RADIO RECEIVING SETS AND PARTS THEREOF AND RADIO LOUD SPEAKERS. Registered Jan. 25, 1927. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Jan. 25, 1947. Class 21.

223,409. **99.** OINTMENT FOR SKIN DISEASES. Registered Feb. 1, 1927. DELONEY & COMPANY, Hammond, Ind., and Chicago, Ill. Renewed Feb. 1, 1947, to De Loney & Company, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

223,421. **NORTHERN.** HOSE MADE OF RUBBER, FABRIC, OR RUBBER AND FABRIC. Registered Feb. 1, 1927. EUREKA FIRE HOSE MANUFACTURING COMPANY. Renewed Feb. 1, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

223,561. **QUALITY MAID.** PETTICOATS AND BLOOMERS. Registered Feb. 8, 1927. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 8, 1947. Class 39.

223,578. **"B" AND DESIGN.** SAFE COMBINATION KNOBS. Registered Feb. 8, 1927. BAKELITE CORPORATION. Renewed Feb. 8, 1947, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 25.

223,579. **SHADOWATE.** LIGHT-WEIGHT TROPICAL SUITS FOR MEN. Registered Feb. 8, 1927. MICHAELS STERN & CO. Renewed Feb. 8, 1947, to Michaels, Stern & Company, Inc., Rochester, N. Y., a corporation of New York. Class 39.

223,580. **CASCADE.** RAINCOATS FOR MEN. Registered Feb. 8, 1927. MICHAELS STERN & CO. Renewed Feb. 8, 1947, to Michaels, Stern & Company, Inc., Rochester, N. Y., a corporation of New York. Class 39.

223,676. **EMBLEM.** VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER AND FABRIC. Registered Feb. 8, 1927. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Feb. 8, 1947. Class 35.

223,708. **REPRESENTATION OF A TORCH.** CANDLES AND CANDLE BASES, PARAFFIN WAX, GASOLINE, KEROSENE, AND LUBRICATING OILS AND LUBRICATING GREASES. Registered Feb. 8, 1927. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Feb. 8, 1947. Class 15.

223,804. **FRUITOLA.** INTERNAL REMEDIES FOR THE TREATMENT OF INTESTINAL INFLAMMATIONS AND STOMACH DISORDERS. Registered Feb. 8, 1927. PINUS MEDICINE COMPANY, Monticello, Ill., a partnership. Renewed Feb. 8, 1947. Class 6.

223,868. **"NIDAR" AND HEAVY UNDERLINE.** CHOCOLATE, COCOA, AND CANDIES. Registered Feb. 15, 1927. NIDAR CHOKOLADEFABRIK A/S., Trondhjem, Norway, a joint stock company of Norway. Renewed Feb. 15, 1947. Class 46.

223,915. **"BLUE GOOSE" AND REPRESENTATION OF GOOSE.** GREETING CARDS, SOCIAL AND COMMERCIAL ANNOUNCEMENTS, PLACE CARDS, AND PRINTED TAGS AND SEALS. Registered Feb. 15, 1927. WETMORE, JANES & SUGDEN INC. Renewed Feb. 15, 1947, to Wetmore & Sugden, Inc., Rochester, N. Y., a corporation of New York. Class 38.

223,943. **ALMO AND THE REPRESENTATION OF A HUMAN HAND ENCLOSED IN A RECTANGULAR OUTLINE.** SOAP. Registered Feb. 15, 1927. WESTERN MEAT COMPANY, South San Francisco, Calif. Renewed Feb. 15, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 4.

224,016. **"RADOR" AND REPRESENTATION OF A RADIATOR.** GLYCERIN. Registered Feb. 15, 1927. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 15, 1947, Class 6.

224,019. **NATIONAL TIME ALARM.** ALARM CLOCKS. Registered Feb. 15, 1927. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Feb. 15, 1947. Class 27.

224,076. **VENULE.** VACUUM TUBES USED TO EXTRACT BLOOD FROM VEINS. Registered Feb. 15, 1927. KIMBLE GLASS COMPANY. Renewed Feb. 15, 1947, to Kimble Glass Company, Vineland, N. J., a corporation of Delaware. Class 44.

224,094. **TRAXO.** INTERNAL REMEDIES HAVING TONIC AND ALTERATIVE PROPERTIES. Registered Feb. 15, 1927. PINUS MEDICINE COMPANY, Monticello, Ill., a partnership. Renewed Feb. 15, 1947. Class 6.

224,147. **SCOTT'S PORAGE OATS ETC. AND DESIGN.** PREPARED OATS FOR FOOD. Registered Feb. 22, 1927. A. & R. SCOTT, LIMITED, Colinton, Midlothian, Scotland, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Feb. 22, 1947. Class 46.

224,206. **BAKELITE.** AGITATORS AND COVERS FOR WASHING MACHINES AND RINGS FOR LAUNDRY COLLECTORS. Registered Feb. 22, 1927. BAKELITE CORPORATION. Renewed Feb. 22, 1947, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 24.

224,274. **THERMOPASTE.** FURNACE LININGS. Registered Feb. 22, 1927. CHICAGO FIRE BRICK COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Feb. 22, 1947. Class 12.

224,327. **WIL-KINITE ENCLOSED IN A DIAMOND.** POWDERED BENTONITE CLAY. Registered Feb. 22, 1927. OWYHEE CHEMICAL PRODUCTS COMPANY, Boise, Idaho, and Chicago, Ill. Renewed Feb. 22, 1947, to Owyhee Chemical Products Company, Chicago, Ill., a corporation of Idaho. Class 1.

224,335. **WESTFELT.** FELT AND FLOOR PADDING. Registered Feb. 22, 1927. WESTERN FELT WORKS. Renewed Feb. 22, 1947, to Western Felt Works, Chicago, Ill., a corporation of Illinois. Class 50.

224,366. **NESTLEDOWN.** WOOL SLEEPING-OUT BAGS. Registered Feb. 22, 1927. SHULER & BENNINGHOFEN, Hamilton, Ohio, a partnership. Renewed Feb. 22, 1947. Class 39.

224,440. **AMBER-GLO ETC. AND A WOMAN'S PORTRAIT IN A CIRCULAR DESIGN.** LIQUID SHAMPOO. Registered Mar. 1, 1927. WESTERN MEAT COMPANY, South San Francisco, Calif. Renewed Mar. 1, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 6.

224,593. **PRINCESS MARY.** ORANGE-WOOD STICKS AND EMERY BOARDS. Registered Mar. 1, 1927. FRENCH BEAUTY PRODUCTS CO., INC. Renewed Mar. 1, 1947, to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York. Class 44.

224,594. **PRINCESS MARY.** CASES MADE OF INFERIOR METAL FOR CONTAINING VANITY COMPACTS. Registered Mar. 1, 1927. FRENCH BEAUTY PRODUCTS CO., INC. Renewed Mar. 1, 1947, to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York. Class 2.

224,608. **VOLCK.** INSECTICIDAL, GERMICIDAL, AND FUNGICIDAL SPRAYS FOR TREES AND PLANTS. Registered Mar. 1, 1927. CALIFORNIA SPRAY-CHEMICAL COMPANY, Watsonville, Calif. Renewed Mar. 1, 1947, to California Spray-Chemical Corporation, Wilmington, Del., a corporation of Delaware. Class 6.

224,642. **REPRESENTATION OF A TIGER'S HEAD.** WRITING PENS OF ALL KINDS. Registered Mar. 1, 1927. THE SPENCERIAN PEN COMPANY. Renewed Mar. 1, 1947, to Spencerian Pen Company Inc., New York, N. Y., a corporation of New York. Class 37.

224,855. **CEBERIT.** PORTLAND CEMENTS OF SPECIAL QUALITY, RAPIDLY HARDENING AND OF HIGH RESISTANCE. Registered Mar. 8, 1927. C. B. R. CIMENTERIES ET BRIQUETERIES REUNIES S. A., Antwerp, Belgium. Renewed Mar. 8, 1947, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium, a corporation organized under the laws of Belgium. Class 12.

224,873. **"THE GOOD HOPE BRAND" AND REPRESENTATION OF DEER AND DESIGN ETC.** PORTLAND CEMENT. Registered Mar. 8, 1927. C. B. R. CIMENTERIES ET BRIQUETERIES REUNIES S. A., Antwerp, Belgium. Renewed Mar. 8, 1947, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium, a corporation organized under the laws of Belgium. Class 12.

225,098. **PRINCESS MARY.** PERFUMES, ASTRINGENTS, BANDOLINE, BEAUTIFIER CREAMS, BRILLIANTINE, BATH SALTS, COLD CREAMS, TISSUE CREAMS AND OTHER NAMED TOILET ITEMS. Registered Mar. 8, 1927. FRENCH BEAUTY PRODUCTS CO., INC. Renewed Mar. 8, 1947, to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York. Class 6.

225,205. **KWIK-ON.** MEN'S AND BOYS' WOVEN AND KNITTED UNDERWEAR. Registered Mar. 15, 1927. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Mar. 15, 1947. Class 39.

225,325. **WHITE CROSS.** POPLIN IN THE PIECE. Registered Mar. 15, 1927. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Mar. 15, 1947. Class 42.

225,649. **NAVAC.** OILS, GREASES, AND WAXES OF ALL KINDS FOR LUBRICATING, ILLUMINATING, HEATING, AND FUEL PURPOSES, ALSO GASOLINE. Registered Mar. 22, 1927. VACUUM OIL COMPANY. Renewed Mar. 22, 1947, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 15.

225,664. **BADGER.** BELTS AND BELTING MADE WHOLLY OR PARTLY OF RUBBER. Registered Mar. 22, 1927. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Renewed Mar. 22, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

225,674. **BADGER.** BELTS AND BELTING AND TRANSMISSION DISKS ALL MADE WHOLLY OR PARTLY OF RUBBER. Registered Mar. 22, 1927. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Renewed Mar. 22, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

225,896. **"CFJ" ETC. ENCLOSED IN A CIRCULAR DESIGN AND A SCROLL.** PRESERVED FRUITS, FLAVORINGS, AND COMBINATIONS OF NUTS, FLAVORINGS, AND SUCH FRUITS FOR USE WITH ICE CREAM. Registered Mar. 29, 1927. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 29, 1947. Class 46.

225,897. **INSICO.** BASE-METAL TABLE CUTLERY—VIZ., TABLE, DESSERT, FRUIT, AND CARVING KNIVES. Registered Mar. 29, 1927. INTERNATIONAL SILVER COMPANY. Renewed Mar. 29, 1947, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Class 23.

225,912. **ORGIA.** PERFUMES AND TOILET WATER. Registered Mar. 29, 1927. MYRURGIA, S. A. Renewed Mar. 29, 1947, to Myrurgia, Sociedad Anonima, Barcelona, Spain, a company organized under the laws of Spain. Class 6.

225,914. **FLOR DE BLASON.** PERFUMES AND TOILET WATER. Registered Mar. 29, 1927. MYRURGIA, S. A. Renewed Mar. 29, 1947, to Myrurgia, Sociedad Anonima, Barcelona, Spain, a company organized under the laws of Spain. Class 6.

225,976. **"EMERSON PHONORADIO" AND DESIGN.** COMPLETE RADIO RECEIVING SETS ADAPTED TO COMBINATION WITH PHONOGRAPHS. Registered Mar. 29, 1927. WASMUTH-GOODRICH COMPANY, Peru, Ind. Renewed Mar. 29, 1947, to Emerson Radio and Phonograph Corporation, New York, N. Y., a corporation of New York. Class 21.

225,997. **REPRESENTATION OF CRACKER OR COOKIE WITH ARROW DESIGN.** BISCUIT, WAFERS, CRACKERS, CAKE, AND BREAD. Registered Mar. 29, 1927. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Mar. 29, 1947. Class 46.

226,073. **RAT NIP.** ANIMAL AND INSECT POISON. Registered Mar. 29, 1927. BUFFALO SPECIALTY COMPANY. Renewed Mar. 29, 1947, to Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York. Class 6.

226,200. **TUDOR HALL.** MEN'S AND BOYS' SUITS AND OVERCOATS. Registered Apr. 5, 1927. HENRY SONNEBORN COMPANY, INC. Renewed Apr. 5, 1947, to Harry Myers & Company, Inc., Baltimore, Md., a corporation of Maryland. Class 39.

226,268. **PREMIUM.** PREPARED MUSTARD; VINEGAR—NAMELY, CIDER, WHITE DISTILLED, COLORED DISTILLED, AND APPLE VINEGAR; AND OTHER NAMED FOOD ITEMS. Registered Apr. 5, 1927. PLOCHMAN & HARRISON, Chicago, Ill., a copartnership. Renewed Apr. 5, 1947. Class 46.

226,282. **SHAKESPERIAN.** WRITING PENS OF ALL KINDS. Registered Apr. 5, 1927. THE SPENCERIAN PEN COMPANY. Renewed Apr. 5, 1947, to Spencerian Pen Company Inc., New York, N. Y., a corporation of New York. Class 37.

226,332. **"RAY-MO-COAL" ETC.** COAL. Registered Apr. 5, 1927. THE BELL COAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Apr. 5, 1947. Class 1.

226,363. **"THE DOCTOR'S ORDER" ETC. AND HEART DESIGN.** BOOTS AND SHOES OF LEATHER OR FABRIC. Registered Apr. 5, 1927. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Apr. 5, 1947. Class 39.

226,364. **DOCTOR'S ORDER.** BOOTS AND SHOES OF LEATHER OR FABRIC. Registered Apr. 5, 1927. HEYWOOD BOOT & SHOE COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Apr. 5, 1947. Class 39.

226,396. **BEVERLY HILLS.** LADIES' HATS. Registered Apr. 5, 1927. WEYMAN BROTHERS, Los Angeles, Calif., a corporation of California. Renewed Apr. 5, 1947. Class 39.

226,413. **SEA DOG.** FRESH, SALTED, BRINED, PICKLED, AND CANNED FISH, FISH FLESH, OYSTERS, CLAMS, CRABS, SHRIMPS, LOBSTERS AND SAUSAGES. Registered Apr. 5, 1927. GENERAL SEAFOODS CORPORATION, Gloucester, Mass. Renewed Apr. 5, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

226,418. **BRASCO.** MOULDINGS USED IN WINDOW SASH AND STORE FRONT CONSTRUCTION MADE IN WHOLE OR IN PART OF SHEET METAL, AND OTHER SUCH METAL PARTS OR MEMBERS. Registered Apr. 5, 1927. BRASCO MANUFACTURING COMPANY, Chicago, Ill. Renewed Apr. 5, 1947, to Brasco Manufacturing Company, Harvey, Ill., a corporation of Delaware. Class 12.

226,479. **ANNYMATE.** NONALCOHOLIC NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered Apr. 12, 1927. CLYDE L. BRIDGES, Dallas, Tex. Renewed Apr. 12, 1947. Class 45.

226,707. **MOBILGAS.** GASOLINE. Registered Apr. 19, 1927. VACUUM OIL COMPANY. Renewed Apr. 19, 1947, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Class 15.

226,724. **ECONOMY.** RUBBISH, TRASH, OR CATCH-ALL CANS MADE OF METAL, FIBER, OR WOOD. Registered Apr. 19, 1927. ECONOMY BALER COMPANY, Ann Arbor, Mich., a corporation of Michigan. Renewed Apr. 19, 1947. Class 2.

226,735. **"OLD QUAKER" AND REPRESENTATION OF QUAKER ETC.** WHISKY. Registered Apr. 19, 1927. CORNING DISTILLING CO., Peoria, Ill. Renewed Apr. 19, 1947, to The Old Quaker Company, Lawrenceburg, Ind., a corporation of Maryland. Class 49.

226,850. **BASKET WEAVE.** BLOTTING PAPER. Registered Apr. 19, 1927. THE WRENN PAPER COMPANY, Middleton, Ohio, a corporation of Ohio. Renewed Apr. 19, 1947. Class 37.

226,973. **C FRESH.** FRESH, SALTED, BRINED, PICKLED, AND CANNED FISH, FISH FLESH, AND SHRIMPS; AND FRESH, PICKLED, AND CANNED OYSTERS, CLAMS, CRABS, AND LOBSTERS. Registered Apr. 26, 1927. GENERAL SEAFOODS CORPORATION, Gloucester, Mass. Renewed Apr. 26, 1947, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

226,988. **FLEISCHMAN.** FLOWERS, PLANTS, AND FLORAL PIECES. Registered Apr. 26, 1927. FERDINAND FLEISCHMAN, New York, N. Y. Renewed Apr. 26, 1947. Class 1.

227,044. **M & R.** DIET FOR INFANTS. Registered Apr. 26, 1927. MOORES & ROSS, INC. Renewed Apr. 26, 1947, to M & R Dietetic Laboratories, Inc., Columbus, Ohio, a corporation of Ohio. Class 46.

227,045. **"SIMILAC M&R" AND DESIGN.** DIET FOR INFANTS. Registered Apr. 26, 1927. MOORES & ROSS, INC. Renewed Apr. 26, 1947, to M & R Dietetic Laboratories, Inc., Columbus, Ohio, a corporation of Ohio. Class 46.

227,046. **SIMILAC.** DIET FOR INFANTS. Registered Apr. 26, 1927. MOORES & ROSS, INC. Renewed Apr. 26, 1947, to M & R Dietetic Laboratories, Inc., Columbus, Ohio, a corporation of Ohio. Class 46.

227,047. **TRIANGLE AND RECTANGLE DESIGN ETC.** DIET FOR INFANTS. Registered Apr. 26, 1927. MOORES & ROSS, INC. Renewed Apr. 26, 1947, to M & R Dietetic Laboratories, Inc., Columbus, Ohio, a corporation of Ohio. Class 46.

227,067. **"LO BUE BRAND YOUR HEART'S DESIRE" AND HEART SHAPED DESIGN ETC.** MACARONI. Registered Apr. 26, 1927. G. & J. LO BUE BROTHERS. Renewed Apr. 26, 1947, to Joseph Lo Bue, Jersey City, N. J. Class 46.

227,075. **PANELOUVRE.** BUILT-IN VENTILATORS, TRANSOMS, DOORS, WINDOWS, AND PANELS. Registered Apr. 26, 1927. THE VENTILOUVRE COMPANY, Bridgeport, Conn. Renewed Apr. 26, 1947, to The Ventilouvre Company, Marietta, Ohio, a corporation of Connecticut. Class 12.

227,196. **"FLOOROLA" AND DESIGN.** FLOOR WAXING, POLISHING, AND SCRUBBING MACHINES AND WAX CONTAINERS FOR FLOOR WAXING AND POLISHING MACHINES. Registered May 3, 1927. THE FLOOROLA CORPORATION, Baltimore, Md. Renewed May 3, 1947, to Floorola Products, Inc., York, Pa., a corporation of Delaware. Class 23.

227,245. **SILVER BELL.** COAL. Registered May 3, 1927. THE BELL COAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 1.

227,270. **HEURE PASSIONNANTE.** FACE POWDERS, FACE CREAMS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, INCENSE, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS AND OTHER NAMED TOILET ARTICLES. Registered May 3, 1927. VICTOR VIVAUDOU, New York, N. Y. Renewed May 3, 1947, to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

227,299. **CHIPPEWA.** COUGH MEDICINE. Registered May 3, 1927. E. CHARLES DOERR, Watertown, Wis. Renewed May 3, 1947. Class 6.

227,355. **"WONDERWEAR BF" ETC AND DESIGN.** LEATHER SHOES, FABRIC SHOES, RUBBER SHOES, AND SHOES OF COMBINATIONS OF FABRIC OR RUBBER AND LEATHER. Registered May 3, 1927. B. FRIEDMAN SHOE CO., INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 39.

227,428. **TOILET REQUISITES.** MONTHLY MAGAZINE. Registered May 3, 1927. POPE PUBLISHING CORPORATION, New York, N. Y., a corporation of New York. Renewed May 3, 1947. Class 38.

227,437. **"WEL-EVER" ETC. AND REPRESENTATION OF A BULLDOG.** PISTON RINGS. Registered May 3, 1927. THE WEL-EVER PISTON RING COMPANY, Toledo, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 35.

227,531. **"CARDUI" ETC. AND REPRESENTATION OF WHITE WOMAN AND INDIAN WOMAN.** MEDICINE FOR FEMALE DISEASES. Registered May 10, 1927. THE CHATTANOOGA MEDICINE COMPANY, Chattanooga, Tenn., a corporation of Tennessee. Renewed May 10, 1947. Class 6.

227,540. **CLASSY.** NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. Registered May 10, 1927. KEEN KOLA MANUFACTURING COMPANY. Renewed May 10, 1947, to Clyde L. Bridges, Dallas, Tex. Class 45.

227,577. **MYSTICUM.** PERFUMERY, COSMETICS—NAMELY, FACE POWDER, TALCUM POWDER, FACE CREAM, ROUGES FOR CHEEKS AND LIPS, LIP STICKS, EYEBROW PENCIL, AND OTHER SUCH GOODS. Registered May 10, 1927. LUDWIG SCHERK, doing business as Parfumerie Scherk, Berlin, Germany. Renewed May 10, 1947, to Ludwig Scherk, Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

227,599. **UNILATOR.** ROOM-HEATING RADIATOR USING OIL OR GAS. Registered May 10, 1927. EVERHOT HEATER COMPANY, Detroit, Mich., a corporation of Michigan. Renewed May 10, 1947. Class 34.

227,680. **"THE FLEXRIDGE SHOE" WITHIN RECTANGLE.** MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SAID SHOES BEING MADE OF LEATHER, FABRIC, RUBBER AND COMBINATIONS OF SAID MATERIALS. Registered May 10, 1927. THE UNITED STATES SHOE COMPANY. Renewed May 10, 1947, to The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio. Class 39.

227,781. **VIRGINIA DARE.** GENERAL TONIC HAVING A WINE BASE. Registered May 17, 1927. GARRETT & COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Renewed May 17, 1947. Class 6.

227,851. **COMET.** RESISTANCE WIRE, RIBBON, STRIPS AND RODS. Registered May 17, 1927. DRIVER-HARRIS COMPANY, Harrison, N. J., a corporation of New Jersey. Renewed May 17, 1947. Class 21.

227,933. **HALLMARK.** TAPIOCA, EGG ALBUMEN, AND EGG YOLK. Registered May 17, 1927. STEIN, HALL & COMPANY, INC., New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 46.

227,944. **"RAINFALL".** SPRINKLING SYSTEMS AND PARTS THEREOF FOR IRRIGATION OF LAWNS AND SHRUBBERY. Registered May 17, 1927. ALBERT E. CHISHOLM, Pasadena, Calif. Renewed May 17, 1947. Class 13.

227,950. **LORALINE.** SILVER HOLLOW WARE. Registered May 17, 1927. BERNARD RICE'S SONS, INC., New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 28.

228,078. **"CLEVE-OAK" ETC. AND OAK LEAF DESIGN.** LEATHER BELTING. Registered May 24, 1927. THE CLEVELAND OAK BELTING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed May 24, 1947. Class 35.

228,105. **DUBARRY PERFUME PATS.** PERFUME IN A CONCENTRATED OR SOLID FORM HAVING A HIGHER PERCENTAGE OF ESSENTIAL OILS THAN IS FOUND IN LIQUID PERFUME. Registered May 24, 1927. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed May 24, 1947. Class 6.

228,108. **SERIKOSE.** COAL-TAR DYES, DISINFECTANTS, PRESERVATIVES FOR FOOD, PHOTOGRAPHIC DEVELOPERS, AND CHEMICALS USED IN PRINTING, DYEING, AND FINISHING. Registered May 24, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Renewed May 24, 1947. Class 6.

228,117. **CIRO.** TOILET LOTIONS; FACE, TALCUM AND SACHET POWDERS; FACE CREAMS, TOILET WATERS, SACHETS, ROUGES, EYEBROW PENCILS, AND OTHER NAMED TOILET ITEMS. Registered May 24, 1927. GUY T. GIBSON, INCORPORATED. Renewed May 24, 1947, to Parfums Ciro, Inc., New York, N. Y., a corporation of Delaware. Class 6.

228,134. **HY-G.** CLEANING FLUID FOR CLOSET BOWLS AND URINALS. Registered May 24, 1927. GREAT NORTHERN CHEMICAL COMPANY. Renewed May 24, 1947, to Hy-G Corporation, San Francisco, Calif., a corporation of California. Class 4.

228,159. **"SECURITY" AND DESIGN.** INSECTICIDES AND FUNGICIDES—NAMELY, LIME-SULPHUR SOLUTION, LEAD ARSENATE, CALCIUM ARSENATE, OIL EMULSION, SULPHUR-LIME DUST MIXTURES, BORDEAUX MIXTURE, AND CATTLE DIP. Registered May 24, 1927. THE J. W. WOOLFOLK COMPANY, INC. Renewed May 24, 1947, to Woolfolk Chemical Works, Ltd., Fort Valley, Ga., a limited partnership. Class 6.

228,231. **"ROACH-NOK-R" AND DESIGN.** ROACH INSECTICIDE OR POWDER. Registered May 24, 1927. ISADORE SILVERMAN, doing business as Pro-Tex-All Sanitary Products Co. Renewed May 24, 1947, to Pro-Tex-All Company, Inc., Evansville, Ind., a corporation of Indiana. Class 6.

228,239. **"REGENT" ETC. AND DRAWING.** MEN'S NEGLIGEE SHIRTS. Registered May 24, 1927. JOEL ISAACS SHIRT CO., INC., New York, N. Y., a corporation of New York. Renewed May 24, 1947. Class 39.

228,355. **REXOIL.** OIL-BURNING APPARATUS. Registered May 31, 1927. REIF BROTHERS, assignor to Reif-Rexoil Inc. Renewed May 31, 1947, to Reif-Rexoil Inc., Buffalo, N. Y., a corporation of New York. Class 34.

228,362. **CELLAPPRÊT.** COMPOSITIONS FOR SIZING, STIFFENING, AND FINISHING THREAD, YARNS, AND OTHER TEXTILE MATERIALS, INCLUDING ARTIFICIAL SILKS. Registered May 31, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed May 31, 1947, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. Class 6.

228,375. **"WAX-RITE" AND DESIGN.** FLOOR-WAXING PRODUCT. Registered May 31, 1927. VESTAL CHEMICAL CO. Renewed May 31, 1947, to Vestal Laboratories, Inc., St. Louis, Mo., a corporation of Missouri. Class 16.

228,456. **"BF" WITHIN CIRCLE.** STEEL CASTINGS. Registered May 31, 1927. THE BONNEY-FLOYD COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 31, 1947. Class 14.

228,464. **CROYDEN.** MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, AND PANTS. Registered May 31, 1927. WOOLF BROTHERS, INC., Kansas City, Mo., a corporation of Missouri. Renewed May 31, 1947. Class 39.

228,504. **SANDMAN.** HOSIERY. Registered June 7, 1927. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Renewed June 7, 1947. Class 39.

228,511. **PARKVIEW.** LAWN-GRASS SEED. Registered June 7, 1927. NORTHRUP, KING & COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed June 7, 1947. Class 1.

228,521. **DOUBLE DUTY.** BREAD. Registered June 7, 1927. PERFECTION BISCUIT COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed June 7, 1947. Class 46.

228,523. **"BRITEN-ALL" AND SUNBURST DESIGN.** PROTECTIVE CLEANSER AND SCRUBBING COMPOUND FOR FLOORS, FLOOR COVERINGS, WALLS, WOODWORK, AND FURNITURE. Registered June 7, 1927. VESTAL CHEMICAL CO. Renewed June 7, 1947, to Vestal Laboratories, Inc., St. Louis, Mo., a corporation of Missouri. Class 4.

228,535. **RANGER.** WRITING AND PRINTING PAPER. Registered June 7, 1927. HOLYOKE CARD & PAPER COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed June 7, 1947. Class 37.

228,537. **BLACKSKIN.** PIPES AND TUBES MANUFACTURED FROM NONFERROUS METALS. Registered June 7, 1927. BRITISH AMERICAN METALS COMPANY, INC., New York, N. Y. Renewed June 7, 1947, to Phelps Dodge Copper Products Corporation, New York, N. Y., and Dover, Del., a corporation of Delaware. Class 13.

228,540. **EVANGELINE.** BUTTER, CHEESE, CONDENSED MILK, EVAPORATED MILK, MALTED MILK, FRESH MILK, CREAM, EGGS. Registered June 7, 1927. FIRST NATIONAL STORES, INC., Boston, Mass. Renewed June 7, 1947, to First National Stores, Inc., Somerville, Mass., a corporation of Massachusetts. Class 46.

228,543. **CINCINNATUS.** MACARONI. Registered June 7, 1927. ANTONIO PALAZZOLO. Renewed June 7, 1947, to Antonio Palazzolo & Co., Cincinnati, Ohio, a partnership. Class 46.

228,561. **AIR MAIL.** SCISSORS AND SHEARS. Registered June 7, 1927. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed June 7, 1947. Class 23.

228,605. **REPRESENTATION OF A BONE-SHAPED DOG BISCUIT.** ANIMAL BISCUITS. Registered June 7, 1927. F. H. BENNETT BISCUIT COMPANY. Renewed June 7, 1947, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Class 46.

228,652. **KORXOLE.** FABRIC-FACED SHEETS OF CORK COMPOSITION, FROM WHICH MAY BE CUT VARIOUS ARTICLES SUCH AS INNER SOLES FOR SHOES, STIFFENERS FOR CAP VISORS AND CLOTHING, BODY SHIMS FOR AUTOMOBILES, GASKETS, ETC. Registered June 7, 1927. ARMSTRONG CORK COMPANY, Pittsburgh, Pa. Renewed June 7, 1947, to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania. Class 50.

228,672. **FULL-SCOUR.** COMPOUNDS FOR THE FULLING AND SCOURING OF WOOLEN, WORSTED, AND OTHER TEXTILES, BOTH RAW AND FINISHED MATERIALS. Registered June 7, 1927. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 7, 1947. Class 6.

228,714. **BAKELITE.** MOLDING COMPOUNDS AND MIXTURES ADAPTED FOR THE MANUFACTURE OF THE FOLLOWING ELECTRICAL COMMODITIES OR PARTS THEREOF AND FOR SUCH ELECTRICAL COMMODITIES OR PARTS THEREOF AND FOR SUCH ELECTRICAL COMMODITIES OR PARTS MADE OF SAID COMPOUNDS AND MIXTURES; AND OTHER NAMED ITEMS OF ELECTRICAL APPARATUS. Registered June 7, 1927. BAKELITE CORPORATION. Renewed June 7, 1947, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. Class 21.

228,752. **UNO.** OLEOMARGARINE. Registered June 7, 1927. THE OHIO BUTTERINE COMPANY. Renewed June 7, 1947, to The Churngold Corporation, Cincinnati, Ohio, a corporation of Delaware. Class 46.

228,760. **"FOOT-CRAFT FC" AND CIRCULAR DESIGN.** MEN'S AND WOMEN'S SHOES OF LEATHER, SATIN, CANVAS, AND OTHER FABRICS, SLIPPERS OF LEATHER AND FELT, RUBBERS, RUBBER BOOTS, AND ARCTICS. Registered June 7, 1927. THE C. A. MANNING SHOE COMPANY, Meriden and Waterbury, Conn. Renewed June 7, 1947, to The C. A. Manning Shoe Company, Meriden, Conn., a corporation of Connecticut. Class 39.

228,847. **PRESCOTT MENOMINEE.** SAWMILL AND MINING MACHINERY ACCESSORIES AND PARTS AS FOLLOWS: ELECTRIC DOGS, ELECTRIC SET WORKS, AIR DOGS, AND OTHER NAMED PARTS AND MACHINES. Registered June 14, 1927. THE PRESCOTT COMPANY, Menominee, Mich., a corporation of Michigan. Renewed June 14, 1947. Class 23.

228,885. **FAIRY KIST.** CAKE AND PASTRY FLOUR. Registered June 14, 1927. MAUSER MILL COMPANY, Treichlers, Pa., a corporation of Pennsylvania. Renewed June 14, 1947. Class 46.

228,887. **FILM FUN.** MAGAZINE PUBLISHED MONTHLY. Registered June 14, 1927. DELL PUBLISHING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 14, 1947. Class 38.

228,896. **MODERN MAID.** COAL, WOOD, OR GAS RANGES. Registered June 14, 1927. TENNESSEE STOVE WORKS, Chattanooga, Tenn., a corporation of Tennessee. Renewed June 14, 1947. Class 34.

228,916. **"SLEET OFF" ETC. AND REPRESENTATION OF AN ESKIMO HEAD.** PREPARATION FOR APPLICATION TO GLASS FOR PRECLUDING FOGGING. Registered June 14, 1927. CARRIER-STEPHENS COMPANY, Lansing, Mich., a corporation of Michigan. Renewed June 14, 1947. Class 4.

228,920. **VARIDUCER.** HYDRAULIC TRANSMISSION UNITS. Registered June 14, 1927. THE OILGEAR COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 14, 1947. Class 23.

228,923. **LITTLE GIANT.** OIL-BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. Registered June 14, 1927. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Renewed June 14, 1947. Class 34.

228,947. **DUOFLEX.** PISTON RINGS. Registered June 14, 1927. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed June 14, 1947. Class 35.

228,949. **GLYXINE.** SUBSTITUTES FOR GLYCERIN. Registered June 14, 1927. THE DAIGGER CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed June 14, 1947. Class 6.

228,958. **"SCANDINAVIA".** WOVEN BELTING, TRANSMISSION AND BRAKE LINING. Registered June 14, 1927. THE SCANDINAVIA BELTING COMPANY, Newark, N. J., a corporation of Maine. Renewed June 14, 1947. Class 35.

228,962. **DELONEY'S.** OINTMENT FOR SKIN DISEASES AND A TONIC FOR HAIR AND SCALP. Registered June 14, 1927. DELONEY & COMPANY, INC., Hammond, Ind., and Chicago, Ill. Renewed June 14, 1947, to DeLoney & Company, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

228,970. **PETER PAN.** POWDER PUFFS. Registered June 14, 1927. THE MAURICE LEVY COMPANY. Renewed June 14, 1947, to Hygienol Company, Inc., New Rochelle, N. Y., a corporation of New York. Class 29.

228,976. **GUAIALIX.** MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND THE LIKE. Registered June 14, 1927. FREDERICK STEARNS & COMPANY, Detroit, Mich. Renewed June 14, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

228,981. **"EXICOL" AND RECTANGULAR BACKGROUND.** MEDICINAL PREPARATIONS TO BE USED IN THE TREATMENT OF LIVER AND GALL-BLADDER DISEASES. Registered June 14, 1927. SAMUEL SALETAN, doing business as Brooklyn Scientific Products Company, Brooklyn, N. Y. Renewed June 14, 1947, to Brooklyn Scientific Products Co., Inc., New York, N. Y., a corporation of New York. Class 6.

229,054. **FLY-NOK-R AND REPRESENTATION OF A BOTTLE.** FLY INSECTICIDE OR POWDER. Registered June 21, 1927. ISADORE SILVERMAN, doing business as Pro-Tex-All Sanitary Products Co. Renewed June 21, 1947, to Pro-Tex-All Company, Inc., Evansville, Ind., a corporation of Indiana. Class 6.

229,066. **JEWEL LO-LUSTRE.** SEMIGLASS ENAMEL-FINISH PAINT. Registered June 21, 1927. WADSWORTH-HOWLAND COMPANY. Renewed June 21, 1947, to Jewel Paint and Varnish Co., Chicago, Ill., a corporation of Illinois. Class 16.

229,081. **SILVER CUP.** FRESH GRAPES, FRESH PLUMS, FRESH PEACHES, FRESH LEMONS, FRESH ORANGES, FRESH GRAPEFRUIT. Registered June 21, 1927. B. F. LIST, Exeter, Calif. Renewed June 21, 1947. Class 46.

229,125. **"B. HELLER & CO. CHICAGO, U. S. A." ETC. AND DESIGN.** INSECTICIDES, MEAT-CURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER AND OTHER NAMED CHEMICAL PREPARATIONS. Registered June 21, 1927. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1947. Classes 6 and 46.

229,153. **BAYER ETC. ENCLOSED IN A CIRCULAR DESIGN.** PREPARATIONS OR MEDICINES FOR PAINS AND ACHES OF NERVOUS OR ORGANIC ORIGIN AND FOR RHEUMATIC, NEURALGIC, AND OTHER MEDICINAL PREPARATIONS. Registered June 21, 1927. THE BAYER COMPANY, INC., New York, N. Y. Renewed June 21, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

229,175. **PERKO.** ELECTRIC LAMPS, ELECTRIC LANTERNS, ELECTRIC SEARCHLIGHTS, AND ELECTRIC SIGNS. Registered June 21, 1927. PERKINS MARINE LAMP CORPORATION. Renewed June 21, 1947, to Perkins Marine Lamp & Hardware Corporation, Brooklyn, N. Y., a corporation of New York. Class 21.

229,183. **HY-TEN.** METALS AND METAL CASTINGS AND FORGINGS, SPECIFICALLY UPON IRON AND UPON TOOL STEELS, MACHINERY STEELS, AND ALLOY AND OTHER STEELS IN BARS, SHAPES, SHEETS, STRIPS, FORGINGS, AND CASTINGS. Registered June 21, 1927. WHEELOCK, LOVEJOY & COMPANY, INC., Cambridge, Mass., New York, N. Y., Cleveland, Ohio, and Chicago, Ill. Renewed June 21, 1947, to Wheelock, Lovejoy & Company, Inc., Cambridge, Mass., a corporation of Massachusetts. Class 14.

229,250. **"ENVOY BRAND" AND CIRCULAR WINGED DESIGN COLORED BLUE AND RED.** FRESH CITROUS FRUITS—NAMELY, ORANGES AND LEMONS. Registered June 21, 1927. CHARTERS-DAVIS COMPANY. Renewed June 21, 1947, to R. H. Verity, Sons & Co., Corona, Calif., a co-partnership. Class 46.

229,260. **ALASKER.** CANNED FISH, CANNED SHRIMP, CANNED OYSTERS, CANNED LOBSTER, CANNED CLAM CHOWDER, AND CODFISH BALLS. Registered June 21, 1927. WM. H. STANLEY, INC., New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 46.

229,264. **FLOOR-O-LITE.** POLISHING FLUID FOR FLOORS. Registered June 21, 1927. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Renewed June 21, 1947. Class 16.

229,265. **PECO ENCLOSED IN OVAL-SHAPED OUTLINE.** EXPERIMENTAL AND SPECIAL MACHINERY AND FIXTURES THEREFOR. Registered June 21, 1927. PECO MANUFACTURING COMPANY. Renewed June 21, 1947, to Peco Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Class 23.

229,356. **CELANESE NINON.** WOVEN, KNITTED, NETTED AND TEXTILE FABRICS IN THE PIECE, MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Registered June 28, 1927. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., now by change of name Celanese Corporation of America. Renewed June 28, 1947, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Class 42.

229,361. **MIXEVAN.** FLAVORING FOR FOOD PRODUCTS. Registered June 28, 1927. DAVID MICHAEL & CO. Renewed June 28, 1947, to David Michael & Co., Philadelphia, Pa., a firm. Class 46.

229,365. **TANNATE AND DESIGN ENCLOSED IN A DIAMOND OUTLINE.** HAME STRAPS AND HARNESS STRAPS (PLAIN). Registered June 28, 1927. J. E. RHOADS & SONS, Philadelphia, Pa., a firm. Renewed June 28, 1947. Class 3.

229,399. **"COMET ALUMINUM" AND DESIGN.** ALUMINUM-WARE—NAMELY, BAKING DISHES, BOILERS FOR COOKING FOODS, CAKE PANS, COFFEE PERCOLATORS, COFFEE POTS, COLANDERS, AND OTHER NAMED ITEMS OF ALUMINUM-WARE. Registered June 28, 1927. ALUMINUM GOODS MANUFACTURING CO., Manitowoc, Wis., a corporation of New Jersey. Renewed June 28, 1947. Class 13.

229,491. **MAFTEX.** COMPOSITE BOARD AND LUMBER. Registered June 28, 1927. MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y. Renewed June 28, 1947, to MacAndrews & Forbes Company, Camden, N. J., a corporation of New Jersey. Class 12.

229,494. **NOWY SWIAT THE POLISH MORNING WORLD.** DAILY NEWSPAPER: Registered June 28, 1927. NOWY SWIAT PUBLISHING COMPANY INC., New York, N. Y., a corporation of New York. Renewed June 28, 1947. Class 38.

229,525. **TREXCENE.** MEDICINAL PREPARATIONS FOR THE TREATMENT OF AMENORRHEA. Registered June 28, 1927. YOUNGS RUBBER CORPORATION, INC., doing business as Parfumere Paulette. Renewed June 28, 1947, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Class 6.

229,526. **PAULETTE'S.** MEDICINAL PREPARATIONS FOR THE TREATMENT OF AMENORRHEA. Registered June 28, 1927. YOUNGS RUBBER CORPORATION, INC. Renewed June 28, 1947, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Class 6.

229,528. **GANTT.** COTTON PLANTERS, GUANO DISTRIBUTORS, GRAIN AND FERTILIZER DRILLS, PLOWS, CULTIVATORS, HARROWS, STALK CUTTERS. Registered June 28, 1927. GANTT MANUFACTURING COMPANY, Macon, Ga., a corporation of Georgia. Renewed June 28, 1947. Class 23.

229,534. **REPRESENTATION OF THE UNITED STATES CAPITOL BUILDING AND DESIGN.** INTERNAL REMEDIES FOR TREATMENT OF THE BLOOD, KIDNEYS, AND LIVER. Registered June 28, 1927. THE ALONZO O. BLISS MEDICAL COMPANY, Washington, D. C., a corporation of the District of Columbia. Renewed June 28, 1947. Class 6.

229,542. **COVERTEX.** COTTON PIECE GOODS. Registered June 28, 1927, J. L. STIFEL & SONS. Renewed June 28, 1947, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. Class 42.

229,551. **"SQUARE KUT" AND DESIGN.** SAWDUST AND SHAVINGS. Registered June 28, 1927. NATIONAL SAWDUST CO., INC., Brooklyn, N. Y., a corporation of New York. Renewed June 28, 1947. Class 1.

229,617. **BIZET.** BOTTLED OLIVES, PRESERVED FRUITS, AND BOTTLED CAPERS. Registered July 5, 1927. LA MANNA, AZEMA & FARNAN, New York, N. Y. Renewed July 5, 1947, to La Manna, Azema & Farnan, Inc., New York, N. Y., and Brooklyn, N. Y., a corporation of New York. Class 46.

229,819. **D D.** KNITTED WEAR—NAMELY, HOSIERY, UNDERWEAR, GLOVES, HATS, AND CAPS FOR MEN, WOMEN, OR CHILDREN—SCARFS, VESTS, AND OTHER NAMED ARTICLES OF KNITTED WEAR. Registered July 5, 1927. DORE & FILS, Fontaine-Les-Gres, France, a French corporation. Renewed July 5, 1947, Class 39.

REISSUES

AUGUST 12, 1947

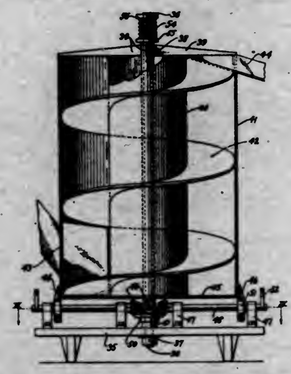
22,904

CONVEYING AND PROCESSING APPARATUS

Robert M. Carrier, Jr., Aurora, Ill.

Original No. 2,374,664, dated May 1, 1945, Serial No. 480,935, March 29, 1943, which is a division of Serial No. 454,969, August 15, 1942. Application for reissue April 27, 1946, Serial No. 665,547

12 Claims. (Cl. 198—220)



8. In a conveyor for moving material upwardly from one elevation to another, the combination of a conveyor including a rigid helical conveying surface, shaft means defining a given vertical axis about which said conveyor is guided, means supporting the conveyor for vibration in a path of movement the components of which are vertical and horizontal producing a resultant inclined arcuate movement, and means to impart to the conveyor a vibratory motion along the resultant inclined arcuate path in the direction of flow of the material along the conveyor.

22,905

FLEXIBLE WELDED STRUCTURAL CONNECTION

Emanuel Scheyer, New York, N. Y.

Original No. 2,382,584, dated August 14, 1945, Serial No. 530,627, April 12, 1944. Application for reissue October 23, 1945, Serial No. 624,043

9 Claims. (Cl. 189—36)



1. A welded shear connection between two structural members, one being a substantially horizontal beam with substantially vertical web, said beam being subject to bending, the other member having a substantially vertical portion to which the beam is connected, said connection comprising a substantially vertically extending piece between the beam and said vertical portion, a welding between the piece and each of said members, the welding between the piece and the beam having a substantial vertical space between it and the welding of the piece to said vertical portion, the welding between the piece and the beam coming at the upper portion of the beam and the welding between the piece and said vertical portion being opposite the lower portion of the beam, said latter welding extending a substantial distance above the bottom flange of the beam, said piece being sufficiently flexible between weldings to permit it to bend readily, permitting substantially the normal deformation of the beam when subject to bending, largely preventing thereby stress in the weldings due to said deformation.

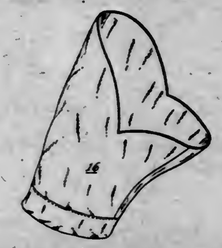
22,906

BLOUSE

Morris Sholder, Chicago, Ill., assignor to Form Fashion, Inc., Chicago, Ill., a corporation of Illinois

Original No. 2,390,188, dated December 4, 1945, Serial No. 437,171, April 1, 1942. Application for reissue September 7, 1946, Serial No. 695,348

8 Claims. (Cl. 2—125)



1. A garment comprising front and back panels stitched together to provide a deep, regularly curved armhole opening generally in one plane, and a sleeve formed from a piece of fabric having at one end a substantially semi-circular portion extending outwardly and a pair of generally triangular wing portions projecting outwardly at each side of the semi-circular portion and each having an edge extending generally radially of the semi-circular portion, each of said edges being adapted to be attached to a lower portion of the armhole, the shaping and arrangement being such that when the other edges of the wing portions are stitched together the piece provides an upper sleeve portion with a curved edge generally in one plane adapted to match the upper portion of the armhole and a lower sleeve portion with a generally curved edge generally in another plane normally at a decided angle to the plane of the upper sleeve portion edge and distorted out of its normal plane for attachment to the lower portion of the armhole, both said sleeve portions being stitched directly to said armhole opening.

22,907

ELECTRIC CIRCUIT CONTROLLER

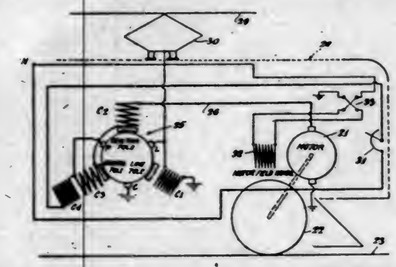
Joseph M. Tyrner, New York, N. Y.

Original No. 2,388,023, dated October 30, 1945, Serial No. 506,533, October 16, 1943. Application for reissue October 12, 1946, Serial No. 703,005

15 Claims. (Cl. 318—344)

1. The combination with an electric motor that has a field winding connected across a power line,

and an armature with brushes for conducting power to the armature circuit; of a motor controller comprising a rotary converter including 3 field pole structures for each 360 electrical degrees, an armature with 3K pole structures, said armature having a winding with a pitch of 120 electrical degrees 3K′ brushes, K and K′ each



being a whole number, and said armature being wound to generate a secondary voltage across two brushes P and C and a tertiary voltage across two brushes L and P when the line voltage is impressed across the brushes L and C, and conductors for connecting the P and C converter brushes with the brushes on opposite sides of the armature circuit of the motor.

22,908
MEASURING TAPE
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan
Original No. 2,314,915, dated March 30, 1943, Serial No. 305,965, November 24, 1939. Application for reissue October 9, 1944, Serial No. 557,887
11 Claims. (Cl. 33—137)



8. A measuring device comprising a metallic strip a surface of which is provided with an indicia area and a background area, the surface of one of said areas being colored, the other area of the metallic strip having a matte surface and an outer coating of metal on the said last named surface and which has assumed the matte characteristics of the underlying matte surface.

PLANT PATENTS

GRANTED AUGUST 12, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

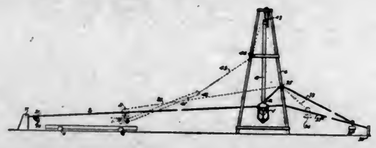
751
APRICOT TREE
Otto H. Helder, Entiat, Wash., assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash.
Application September 9, 1946, Serial No. 695,582
1 Claim. (Cl. 47—62)

The new and useful variety of apricot tree, substantially as herein shown and described, characterized particularly by its early ripening date and its large, somewhat elongated fruit having glossy dark rich-colored skin, small stone, firm, sweet-flavored, fine-textured, dark flesh which is juicy when ripe, and the quality of ripening and coloring evenly while still hard ripe.

PATENTS

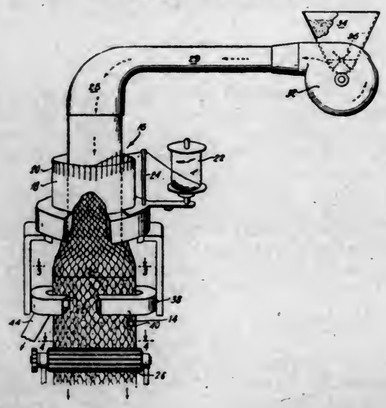
GRANTED AUGUST 12, 1947

2,425,292
PIPE HANDLING APPARATUS
Carl J. McCoy, Orcutt, Calif.
Application December 11, 1945, Serial No. 634,242
3 Claims. (Cl. 214—1)



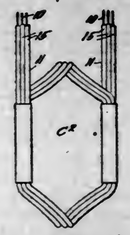
1. A grip for pipe handling apparatus comprising a carriage having a jaw mounting shaft, guide arms upon opposite sides of the shaft in spaced angularly disposed relation thereto, a yoke mounted upon the shaft for sliding and pivotal movement thereon, a pair of jaw members pivoted on the shaft between the yoke arms and slidably movable along the shaft with the yoke, means carried by the jaws engaging the guide arms for imparting pivotal movement to the jaws in response to relative movement of the jaws and shaft longitudinally of the shaft, a sheaved pulley for mounting the carriage on a trolley line, and means connecting the yoke and the sheave for pivotal movement about an axis substantially parallel to the trolley line and also about an axis substantially normal thereto.

2,425,293
METHOD AND APPARATUS FOR MAKING FLEXIBLE INSULATION
Paul F. McDermott, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 8, 1944, Serial No. 544,080
7 Claims. (Cl. 66—9)



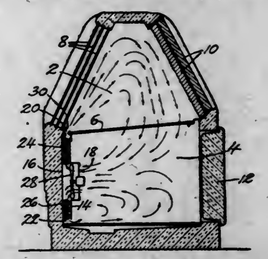
1. In a method of making a blanket or tape, the steps comprising knitting a tubular sleeve around a hollow forming member having an open end, drawing said sleeve from said forming member over said open end as it is knitted, pneumatically delivering a loose fibrous material through said forming member and introducing it into said sleeve as said sleeve is drawn from said forming member, and withdrawing air through said sleeve adjacent the end of the forming member.

2,425,294
METHOD OF MAKING INSULATED MULTI-CONDUCTOR STRUCTURES
John T. Morgan, Charleston, W. Va.
Application December 18, 1944, Serial No. 568,770
5 Claims. (Cl. 171—206)



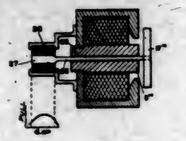
4. The method of making insulated multi-conductor structures comprising shaping a bundle of conductor wires each provided with a coating of thermoplastic insulating material to the approximate contour of an armature coil, attaching thermoplastic insulating material to selected portions of said coil, subjecting the selected portions of said coil and the associated insulating material to heat and pressure to first soften the thermoplastic material and said coatings then to press the same into a solid homogeneous mass, and then shaping the coil under heat and pressure to accurately fit an armature slot.

2,425,295
REFRIGERATED DISPLAY CASE
Harry A. Morris, Trenton, N. J., assignor to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey
Application October 5, 1944, Serial No. 557,341
12 Claims. (Cl. 62—89.5)



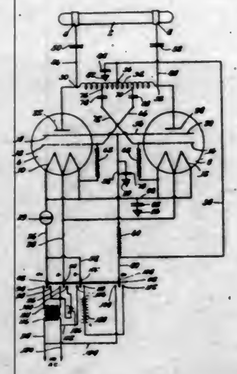
1. In a refrigerated display case having an upper display chamber and a lower storage chamber, means for cooling and circulating air through both of said chambers, comprising a refrigerating coil associated with the display chamber, another refrigerating coil associated with the storage chamber, and means for forcing air over each of said coils and thence into the chamber with which that coil is associated.

2,425,296
VOLTAGE REGULATOR FOR GENERATORS
Joseph W. Allen, Washington, D. C.
Application April 23, 1945, Serial No. 589,832
6 Claims. (Cl. 201—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



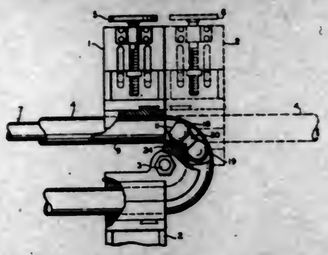
1. In a voltage regulator having a carbon pile, a spring mounted to apply pressure thereto, an armature fixed to the spring, and a voltage coil disposed to attract the armature in opposition to the spring when the coil is energized; an axially bored core in said coil, a stem extending through the core and fixed at one end to the armature, a solenoid plunger fixed to the other end of the stem, and a solenoid disposed around the plunger and connected across a source of energizing current as a voltage coil, whereby said solenoid and plunger oppose the action of the spring when the plunger is moved toward the pile from its equilibrium position in the solenoid and having a pull characteristic that initially increases to a maximum as the plunger is shifted from said position by movement of the armature away from the coil and then decreases upon continued movement of the armature, so that the effective pressure of the spring upon the carbon pile is substantially the same in all positions of the armature at equal output voltages.

2,425,297
LAMP CIRCUIT
Carl E. Atkins, Evanston, and Frank Furedy, Chicago, Ill., assignors, by mesne assignments, to Sun-Kraft, Inc., Chicago, Ill., a corporation of Delaware
Application October 24, 1942, Serial No. 463,256
6 Claims. (Cl. 315—244)



1. A circuit for energizing an ultra-violet gaseous discharge lamp comprising a thermionic tube oscillator circuit including an induction coil, and a circuit including the gaseous discharge lamp connected across the induction coil and forming with said coil a tuned tank circuit determining the frequency of operation of the oscillator.

2,425,298
TUBE-BENDING MANDREL
Richard F. Attridge, Revere, and Ernest J. Blouin, Salem, Mass.
Application May 3, 1945, Serial No. 591,768
2 Claims. (Cl. 153—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a tube-bending mandrel, a sleeve of substantially the same diameter as the tube to be bent attached to the end of the mandrel, a flexible cable anchored within said sleeve and extending through a flared opening in the outer end thereof, a plurality of separate balls carried by the extending end of said cable and having a diameter corresponding to that of the internal diameter of the tube, a spacer sleeve carried by the cable between the balls and having flared sockets in its ends in which said balls rock, the outer end of said cable being anchored to the outermost ball.

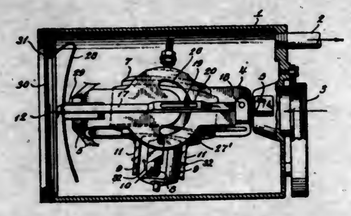
2,425,299
METHOD OF MAKING SOLDER FILLED JEWELRY FINDING
Frederick A. Ballou, Jr., Providence, R. I., assignor to B. A. Ballou & Co. Incorporated, a corporation of Rhode Island
Application June 21, 1944, Serial No. 541,423
3 Claims. (Cl. 29—160.6)



1. The method of forming a jewelry finding which comprises providing a solder-filled wire having a solder core extending longitudinally of the wire and an encircling metal of different material, blanking and shaping from said wire a pin stem finding member having bearings for a rotor, folding said member to provide a flat base and two spaced ears with the bearings in alignment and removing some of said encircling metal at the base to expose the solder for use of the solder for attachment at this location.

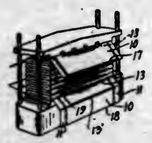
2,425,300
GYROSCOPIC HORIZON
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application May 27, 1944, Serial No. 537,583
4 Claims. (Cl. 74—5)

1. As a means for preventing observable errors in a gyroscopic artificial horizon or gyro-vertical due to turning of the craft, a universally and pendulously mounted gyroscope normally inclined at a predetermined angle in an oblique plane with respect to the craft, power-operated erection devices about the roll and pitch axes of the craft, and gravitationally responsive means controlling said devices, the pendulosity of said gyroscope and the strength of said erection de-



vices being so constructed and arranged with respect to the gyroscopic constants as to cause precession of the gyroscope during turns at the same rate as the craft turns, whereby no change in position of the gyroscope takes place which is apparent to the pilot.

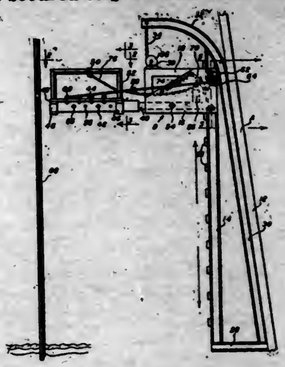
2,425,301
PACKAGING AND METHOD AND MEANS FOR FORMING THE SAME
George R. Browner, Lynchburg, Va., assignor to The Mead Corporation, Chillicothe, Ohio, a corporation of Ohio
Application October 19, 1942, Serial No. 462,615
13 Claims. (Cl. 100—14)



1. In the baling of textile materials, and the like, the method which comprises placing the textile material to be baled between wrapper units comprising essentially a major body portion of paper board and a minor edge portion of fabric with the textile material to be baled extending at each end a substantial and shock absorbing distance beyond the edge of the paper board portion, compressing the material to be baled between the wrapper units, folding the edges of the wrapper units into overlapping relation, applying bale ties while the pressure is maintained, removing the partly completed bale from the pressure zone and affixing end covers by attaching said end covers to said fabric portions.

2,425,302
SAFETY ADJUSTABLE PIPE STABBING BOARD
Curtis L. Calhoun, Shreveport, La.
Application November 16, 1945, Serial No. 629,032
3 Claims. (Cl. 304—14)

1. A platform for an oil well derrick having horizontal girders, comprising a perpendicularly arranged I-beam forming a track secured within the said derrick, a carriage having traction rollers interfitting the beam for travel of the carriage thereon, a crane rising above the beam, a vertically swinging rail carried by the carriage, means for preventing the swinging of the rail downwardly below a horizontal plane, a platform assembly adjustably supported on the rail, and means for latching the carriage in a determined position vertically on the beam laterally extended channel arms secured to the rear of said carriage, and means secured to said arms and to said plat-



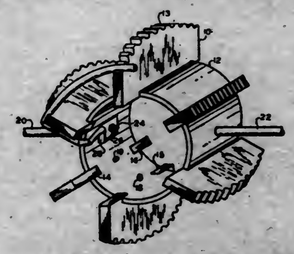
form for aiding the rail in supporting said carriage.

2,425,303
ANTENNA SYSTEM FOR RADIO DRIFT INDICATION
Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1943, Serial No. 488,584
14 Claims. (Cl. 250—11.6)



2. A directive antenna including a conductive base sheet having a radiator element associated therewith in the form of a long narrow conductive flap attached along one edge to said base sheet and forming a small angle with respect to the plane of said sheet and a two conductor transmission line having one conductor connected to said sheet and the other to said flap at a point intermediate its ends, said sheet having dimensions of the order of several times the operating wavelength of said system.

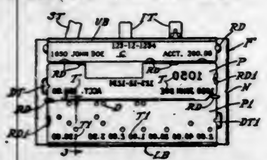
2,425,304
SPHERICAL COIL FOR VARIOMETERS
Edward E. Combs, Long Branch, N. J.
Original application September 6, 1944, Serial No. 552,859. Divided and this application October 4, 1945, Serial No. 620,375
4 Claims. (Cl. 242—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A frame for a spherical radio coil including a ring made of plastic material, a plurality of ce-

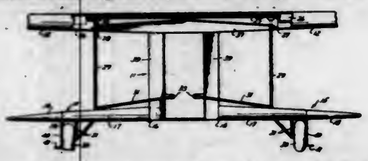
ramic bridges symmetrically and radially disposed around, and fastened to, said ring, the outer ridge surfaces of each bridge forming spaced wire supports for said coil, and a two-piece coil shaft fastened to said ring.

2,425,305
PRINTING DEVICE
Courtney Lee Comegys, University Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application April 29, 1943, Serial No. 485,039
4 Claims. (Cl. 101—369)



1. A printing device including a carrier, a printing plate having type characters thereon, and means for securing said plate to said carrier, said plate and carrier having aligned perforations formed therein at predetermined positions to afford data representations on the device whereby impressions may be made from the type characters and the data representations may be utilized to control operations related to the type characters to which such representations are related.

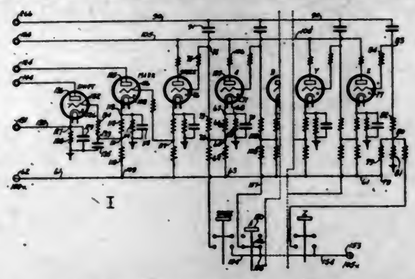
2,425,306
RETRACTILE WING AND LANDING GEAR
Jack S. Conner, Los Angeles, Calif.
Application April 26, 1945, Serial No. 590,446
12 Claims. (Cl. 244—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft comprising, in combination, a fuselage having a pair of main wings attached thereto, each wing having a recess on the underside thereof; a pair of auxiliary wings each consisting of an inboard panel hinged to the fuselage and an outboard panel hinged to the outer end of the inboard panel; power-actuated means to swing the auxiliary wings inwardly so that the inboard panel moves from a substantially horizontal position to a substantially vertical position alongside the fuselage; and means maintaining the outboard panel generally horizontal as the auxiliary wing is moved between its extreme positions, the outboard panel being received within said wing recess when the auxiliary wing is swung inwardly and being aligned with the inboard panel when the auxiliary wing is fully extended.

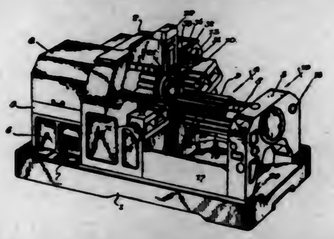
2,425,307
COMMUNICATION SYSTEM
Joseph R. Desch, Ernest V. Guiden, and Robert E. Mumma, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application September 16, 1942, Serial No. 458,546
13 Claims. (Cl. 177—353)

13. A communication system in which different numbers of signals are assigned to represent different symbols which may be transmitted and which comprises a sending station and a receiving station; electron tube means at the sending station for generating uniformly spaced bursts of different numbers of rapidly recurring discrete signals according to symbols being transmitted; means to transmit the bursts of signals one after another over a single communication channel to the receiving station; a plurality of normally inoperative means at the receiving station, each of



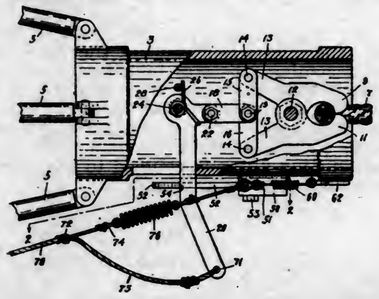
said normally inoperative means being made up of electron tubes and, when operative, being differentially responsive to and controlled solely by the number of signals in a different one of the various bursts to set up a direct representation of the symbol to which the number of signals in the burst has been assigned; and means for rendering different ones of said plurality of means operative as the different bursts are received, thereby to enable the plurality of means to set up direct representations of the symbols according to the numbers of signals in the various bursts.

2,425,308
SINGLE SPINDLE AUTOMATIC MACHINE
Alfred E. Drissner and Kenneth W. Barkinen, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application November 14, 1939, Serial No. 304,319
30 Claims. (Cl. 29—41)



1. In an automatic screw machine, the combination of a rotary work spindle located substantially centrally lengthwise of the machine, means for rotating the spindle, an indexible tool turret having its axis below and in substantially the same plane as the axis of the work spindle and having reciprocating independently operated tool slides, means for reciprocating the slides, locking means for the tool turret comprising a disk having a plurality of lock bolt seats, the surface of said disk tapering toward each of said seats, a lock bolt cooperating therewith, means for controlling the locking means, and means for indexing the tool turret, said indexing means being operatively controlled by the locking means and gradually stopped thereby.

2,425,309
RELEASABLE GLIDER TOW CABLE COUPLING LOCK
Clyde E. Ennis, Danville, Va.
Application July 10, 1944, Serial No. 544,315
7 Claims. (Cl. 280—33.15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a releasable glider tow cable coupling having a lever actuated releasing mechanism and a release cable attached to said lever, a safety lock comprising a movable catch member mounted adjacent said coupling for movement from a position extending into the path of movement of said releasing lever, locking said releasing lever in tow cable retaining position, to a position out of the path of movement of said releasing lever to permit movement of said releasing lever to tow cable releasing position and means for automatically moving said catch member to unlocked position in advance of releasing movement of said releasing lever by said release cable.

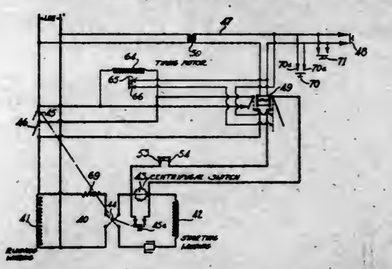
2,425,310
EXPLOSIVE
Hartwell Henry Fassnacht, Wenonah, N. J., and Clifford Akeley Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1943, Serial No. 484,862
4 Claims. (Cl. 52—13)

1. An explosive composition comprising between 5 and 85% of a liquid nitrated organic compound taken from the group consisting of aliphatic liquid nitric esters and aromatic nitrocompounds, 90 to 7% tetryl and 0.1 to 7.1% nitrocellulose.

2,425,311
COMPOSITE CREAM WHICH, WHEN APPLIED TO THE SKIN, FORMS A PROTECTIVE COATING AGAINST FLASHBURNS
Gordon Brown Fauley, United States Navy, and Andrew Conway Ivy, Chicago, Ill.
No Drawing. Application November 3, 1944, Serial No. 561,802
4 Claims. (Cl. 167—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

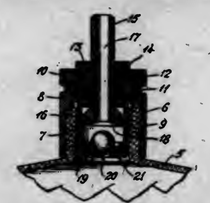
1. A protective ointment containing about 20 to 35 per cent by weight of a volatile solvent, about 10 to 20 per cent by weight of a water insoluble film forming ingredient, about 2 to 10 per cent by weight of a plasticizing ingredient, about 5 to 10 per cent by weight of a water insoluble metallic soap, about 1 to 5 percent by weight of a chemical light filtering compound, about 25 to 50 per cent by weight titanium dioxide, about 0.1 to 3 per cent by weight of a wetting agent, and about 1 to 5 per cent by weight of a neutralizing ingredient, said ointment being characterized by the ability to protect the skin from burns and frostbite.

2,425,312
MOTOR CONTROL SYSTEM
Thomas Charles Gower, Greenville, S. C.
Application May 19, 1945, Serial No. 594,623
17 Claims. (Cl. 172—279)



1. A motor control system comprising a single phase electric motor of the type including a starting winding and associated means for automatically disconnecting the starting winding after the motor has started, means for starting said motor for rotation in a given direction, means for automatically stopping said motor when a predetermined degree of rotation in said given direction has been obtained, means for automatically restarting said motor after a predetermined time interval for rotation in reverse direction with respect to said first mentioned direction of rotation, means for automatically stopping said motor when it has returned to initial position by virtue of said reverse rotation, and controllable means for changing the direction of rotation of said motor to said first mentioned direction of rotation at any time during said reverse rotation.

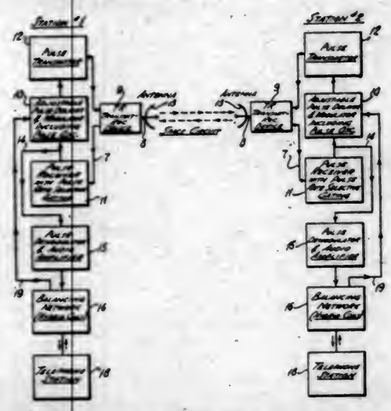
2,425,313
DISPENSING DEVICE
Arthur Hammerstein, Palatine, Ill.
Application December 21, 1944, Serial No. 569,153
1 Claim. (Cl. 215—75)



A dispensing device of the kind described comprising a sleeve adapted for connection with a receptacle and having an inwardly-directed annular flange internally screw-threaded, a hollow member threaded into said sleeve and having a passage provided with a valve-seat at one end, an internally-threaded bushing threaded into said hollow member, a tubular dispensing spout threaded into said bushing and provided with a valve-seat at its inner end in spaced relation to said first valve-seat, and a ball valve in said hollow member movable between said valve-seats to control ejection of the liquid contents of said receptacle, and automatically returning to one

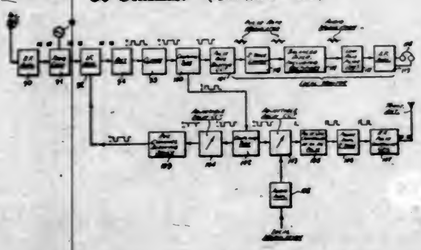
of said seats at the conclusion of an ejecting operation, to seal the receptacle against losses of its contents, said dispensing spout being adjustable to clamp the ball valve between and in sealing engagement with both of said valve-seats to seal the contents in said receptacle.

2,425,314
PULSE COMMUNICATION SYSTEM
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1943, Serial No. 502,585
23 Claims. (Cl. 250—6)



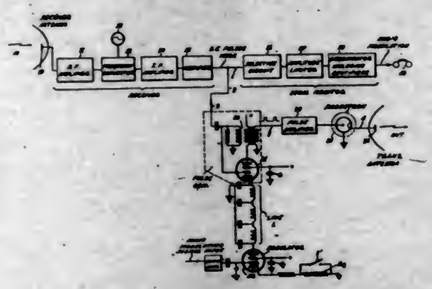
18. A pulse repeater system comprising a blocking oscillator, a circuit for receiving pulses from a remotely located pulsing station and for impressing the same on said blocking oscillator for synchronizing the same, and a pulse transmitter under control of said blocking oscillator.

2,425,315
PULSE COMMUNICATION SYSTEM
John B. Atwood and Harold O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 17, 1944, Serial No. 522,758
30 Claims. (Cl. 250—15)



1. A relay station for relaying pulses of high frequency energy which have a short duration relative to the time interval between them comprising a receiving antenna, a receiver coupled to said antenna and having means for changing said pulses of high frequency energy to pulses of direct current, a clipper coupled to the output of said receiver for removing noise ripples in said direct current pulses, a coupling tube coupled to said clipper and providing two outputs, separate pulse delay circuits for said last two outputs, a blocking device coupled between one of said delay circuits and said receiver, said blocking device being so constructed and arranged and said one delay circuit having such time constants that said receiver is blocked during the interval between incoming pulses of high frequency energy, a pulse generator coupled to said other delay circuit and responsive to a pulse therefrom for producing another pulse of desired polarity, said other delay circuit providing such delay that the pulse produced by said pulse generator occurs during the interval between incoming pulses of high frequency energy at which time the receiver is blocked, a radio frequency generator coupled to said pulse generator and responsive to a pulse therefrom to produce a pulse of radio frequency energy, and a transmitting antenna coupled to the output of said radio frequency generator.

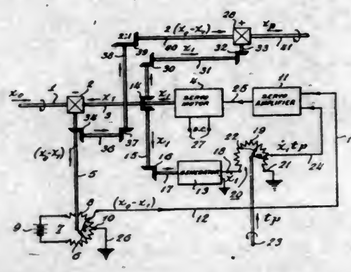
2,425,316
PULSE REPEATER SYSTEM
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 7, 1944, Serial No. 529,946
8 Claims. (Cl. 250—15)



1. In a pulse communication system employing radio frequency energy pulses whose phase or frequency is modulated by intelligence, a repeater station comprising a receiving antenna, a continuously operative receiver coupled to said receiving antenna for converting the pulses of radio frequency energy to pulses of direct current, a local monitor including a discriminator coupled to the output of said receiver for deriving the modulation components from said direct current pulses, a pulse generator also coupled to the output of said receiver and synchronized by the received pulses to produce a series of pulses which are short compared to the time intervals between them, said pulse generator being so constructed and arranged as to be non-responsive to pulses received during the intervals between incoming signal pulses, a radio frequency oscillator under control of the pulses produced by said pulse generator to thereby produce substantially corresponding duration pulses of radio frequency energy, and a transmitting antenna coupled to the output of said radio frequency oscillator.

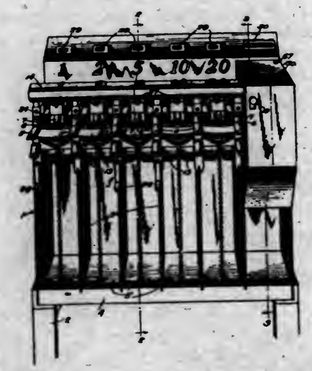
2,425,317
PREDICTION APPARATUS
Herbert Harris, Jr., Cedarhurst, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application July 13, 1943, Serial No. 494,479
9 Claims. (Cl. 235—61.5)

5. A prediction device having an input shaft displaced in accordance with one coordinate of the present position of a target, a differential having one input displaced by the shaft, a servo motor for driving a second input for the differential, means for controlling the servo tending to maintain the rate and direction of the second input in equilibrium with the first, comprising a time of flight member, a source of potential



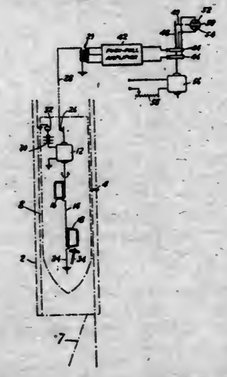
jointly controlled according to the output of the servo motor and by the time of flight member for producing a voltage proportional to a component of prediction, a source of voltage controlled by the output of the differential, amplifier means controlled differentially by the voltages from both sources for driving the servo motor, and output means controlled in proportion to prediction by the output of the servo motor.

2,425,318
PAPER MONEY SORTING MACHINE
Thomas E. Hayes, Washington, D. C.
Application April 18, 1945, Serial No. 588,939
3 Claims. (Cl. 235—92)



1. A machine for piece counting and value totalizing paper money manually sorted in said machine, comprising in combination a totalizer of that type having a units wheel and a tens wheel in which the tens wheel is operated by the units wheel and alternatively independently thereof, a series of compartments, each one designated for receiving only like bills of one digit denominations, a series of compartments, each one designated for receiving only like bills of two digit denominations, bill feeding means for each compartment comprising a pair of rolls between which bills are fed to said compartment, a piece-counter for each compartment including an armature connected to the piece-counter and an actuating solenoid therefor, a switch for each feeding means actuated by the passage of a bill between said rolls, circuits, one for each switch through the respective piece-counter solenoids for energizing said solenoids for moving the corresponding piece-counters to potential counting position, a switch for each piece-counter having an element movable with the armature of said piece-counter, positioned to close said switch after a count-assuring movement of said piece-counter, totalizer actuating solenoids, one for each piece-counter, in circuit with the respective piece-counter switches, means for independently turning the units and tens wheels of said totalizer, and individual releasable means corresponding to the respective piece-counters of units denomination and independently locking said units wheels against movement, individual releasable means corresponding to the respective piece-counters of tens denominations, for independently locking said tens wheel against movement, said locking means being constructed to limit the respective amplitudes of movement of said wheels when released, proportionate to the denomination values with which the corresponding units piece-counters are associated, and to limit the respective amplitudes of movement of said tens wheel when released, proportionate to the denomination values with which the corresponding tens piece-counters are associated.

2,425,319
TOOL ORIENTING METHOD AND APPARATUS
Donald Hering, Long Beach, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application December 23, 1942, Serial No. 469,867
20 Claims. (Cl. 255—1.6)

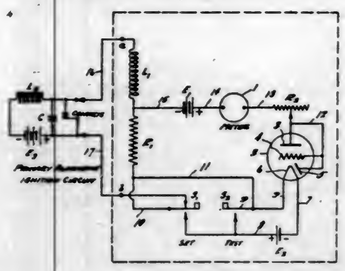


5. The method of orienting a tool within a bore hole including lowering the tool into the bore hole on a hollow drill stem, the lower portion of which drill stem is provided with means bearing a predetermined relationship to the tool carried thereby, lowering within the drill stem an instrument containing means for indicating a known azimuthal reference direction and means responsive to the location of the first mentioned means for transmitting to the surface periodic pulses indicative of the relationship of said means at the lower portion of the drill stem to the azimuth indicating means, detecting the relationship of the transmitted pulses by means of a stroboscopic apparatus, and rotating the drill stem to bring the tool into a predetermined azimuthal position.

2,425,320
CLEANING AND PICKLING OF METALS
William H. Hill, Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application October 23, 1942, Serial No. 463,133
23 Claims. (Cl. 252—149)

1. A cleaning and pickling composition for metal subject to atmospheric corrosion and for removing oxides and other corrosion products from surfaces of said metal, said composition comprising a pickling acid solution having dissolved therein a relatively small proportion of a reaction product of an aldehyde and a preformed thiocyanate of a basic, nitrogenous organic compound having at least one nitrogen-containing radical selected from the group consisting of NH_2 and NH, said reaction product being soluble in said pickling acid solution in a proportion which inhibits dissolution of said metal by said acid.

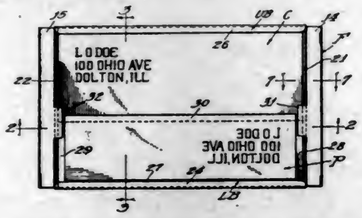
2,425,321
IGNITION TESTING DEVICE
John W. Horton, East Orange, N. J.
Application January 28, 1943, Serial No. 473,874
5 Claims. (Cl. 177—311)



1. An apparatus for determining the ratio of the length of time of closure to the total time of closure and separation of the contact points of an ignition system comprising a main circuit including in series connection an ammeter, a high resistance, a source of direct current potential less than the potential across said contact points, and a rectifier, means for imposing on said circuit in opposition to the source of direct current potential, the potential across the contact points to be tested, said means comprising a circuit separate from said main circuit and including in series connection the contact points, an inductance and said high resistance, said main circuit and the separate circuit being coupled through said high resistance.

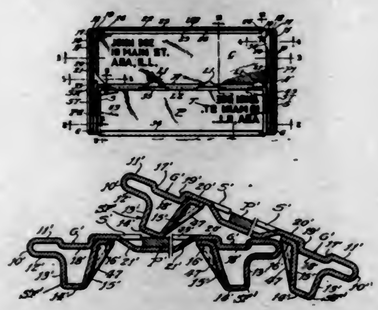
2,425,322
PRINTING PLATE BLANK AND CARRIER THEREFOR
Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 9, 1942, Serial No. 450,319
13 Claims. (Cl. 101—369)

1. A printing device including a carrier having a panel depressed in one face thereof, a printing plate and an index card mounted in said panel in side-by-side relation and between opposite ends of said panel with marginal edges thereof disposed to be interengageable, means along opposite free edges of said panel for retaining said plate and card against separating movement in said panel, and means for preventing movement of said plate and card upwardly from said panel and effective, in cooperation with said opposite ends of the panel and the means along opposite free edges of the panel, to limit movement of the plate and card in and away from said panel.



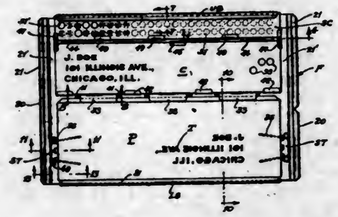
11. A blank for a printing plate on which type characters may be embossed to appear in relief on one face and in intaglio on the opposite face thereof, a flange along one edge of said plate formed to have one face thereof disposed substantially flush with the face of said plate on which type characters embossed on the plate are to appear in relief and having the other face thereof disposed to lie below the plane of the face of the plate on which type characters embossed on the plate are to appear in intaglio, and at least one other flange along another marginal edge of said plate that is formed to have one face disposed to lie substantially flush with the face of said plate on which type characters embossed thereon are to appear in intaglio and having the other face thereof disposed to lie below the plane of the face of the plate on which type characters embossed thereon are to appear in relief.

2,425,323
PRINTING PLATE AND CARRIER THEREFOR
Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 9, 1942, Serial No. 450,320
27 Claims. (Cl. 101—369)



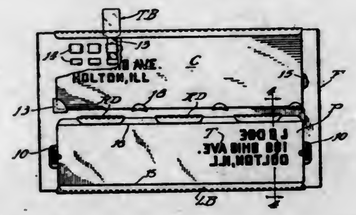
1. A printing device of the character described embodying a carrier having spacing means projected from one face thereof that have rails at the free edges thereof, and plate locating elements formed to extend above the other face of the carrier, the exposed faces of such locating elements being disposed substantially in a common plane and including substantially continuous parts and being of such configuration that projecting spacing means on another similar carrier may be freely slid thereover, the widths of said rails being greater than any spaces between said elements.

2,425,324
MEANS FOR RETAINING PRINTING PLATES ON CARRIERS
Carl J. Hueber, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 1, 1945, Serial No. 596,991
4 Claims. (Cl. 101—369)



4. In a substantially rectangular printing device carrier formed from sheet material, means for releasably securing a printing plate in position along a marginal portion of the carrier and on a predetermined face thereof, said means including at least one spring tongue formed from the sheet material of the said carrier and having an operating portion arranged to be disposed above the surrounding surface of said face of the carrier when said spring tongue is in retaining relationship to a printing plate disposed on said face of said carrier, and upstanding embossures formed from the material of said carrier so as to project upwardly from said predetermined face thereof, adjacent opposite edges of said spring tongue, and affording protecting surfaces operable to guide parts of other carriers or the like over the operating portion of said spring tongue and thereby prevent catching of such parts on said spring tongue.

2,425,325
PRINTING PLATE AND CARRIER THEREFOR
Carl J. Hueber, Euclid, and William J. Hampton, South Euclid, Ohio, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 3, 1945, Serial No. 591,738
11 Claims. (Cl. 101—369)

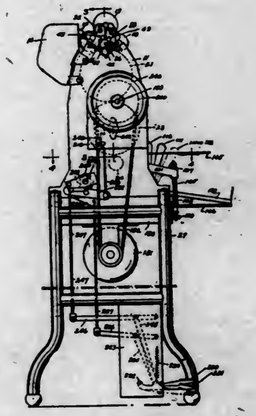


10. A printing device including a carrier, retaining means on the carrier disposed in spaced apart and at least substantially parallel relation, an embossable printing plate on the carrier having opposite edges thereof respectively disposed for cooperation with the spaced apart retaining means, and means on the carrier for preventing movement on the plate in a direction parallel to the extent of the retaining means, said plate having portions of reduced thickness swaged along opposite edges thereof to provide shoulders on the plate inwardly of said opposite edges, said retaining means being constituted and arranged to include portions that engage the shoulders on the plate when said swaged portions are disposed in said retaining means to thereby hold the plate against movement on the carrier in a direction angularly related to the extent of said spaced apart retaining means on the carrier, the portions of the plate adjacent to said shoulders being of slightly increased thickness by reason of the swaging of said portion on the plate whereby the height of the shoulders is increased and effective cooperation thereof with the retaining means is assured.

2,425,326
2-(P-AMINOBENZENESULFONAMIDO)-4-HYDROXY - 5,6,7,8 - TETRAHYDROQUINAZOLINE
James H. Hunter and Alan H. Nathan, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application August 28, 1944, Serial No. 551,625
1 Claim. (Cl. 260—239.6)

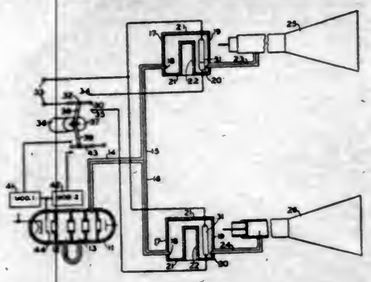
2-(p-aminobenzene sulfonamido)-4-hydroxy-5,6,7,8-tetrahydroquinazoline.

2,425,327
PRINTING MACHINE
Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 29, 1944, Serial No. 533,276
10 Claims. (Cl. 101—142)



1. In an offset printing machine of the planographic type, the combination of a plate cylinder, an offset cylinder, a platen, means for applying repellent to a plate on the plate cylinder, means for applying ink to such plate, two hand levers each having two positions and both located so that they may be actuated by the operator without changing his position, mechanism connecting one hand lever with the repellent applicator and the ink applicator and operative to apply the repellent by movement of that hand lever into one position and ink by movement of the same hand lever into another position, and mechanism operated by the other lever to put the plate cylinder into coaction with the offset cylinder in one position of that lever, and to put the platen into coaction with the offset cylinder in the other active position of that lever.

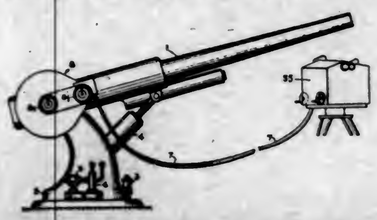
2,425,328
SWITCHING AND MODULATION SYSTEM
Frederic A. Jenks, Rockville Centre, and Donald F. Folland, East Hempstead, N. Y.
Application August 1, 1944, Serial No. 547,534
24 Claims. (Cl. 250—11)



1. In an instrument landing system of the character described, a pair of electromagnetic radiators, an ultra high frequency generator, means connecting the output of said generator to said pair of radiators, hollow resonator means having an electron discharge tube disposed thereon included in said connection and normally tuned to the output of said generator, and means for causing the detuning of said hollow resonator means to effect alternate energization of said radiators.

23. A cavity resonator comprising a substantially enclosed chamber having side and end walls including a re-entrant portion formed thereby, a gaseous atmosphere contained within said chamber and electrical elements contained within said atmosphere adapted to alter the state of said atmosphere so as to vary the resonant frequency of said chamber.

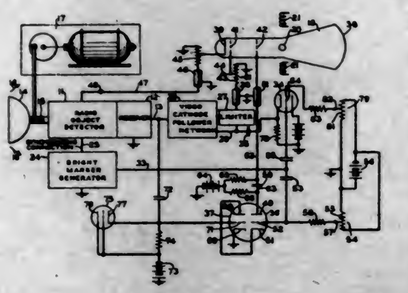
2,425,329
GUN POSITIONING SYSTEM
Joseph F. Joy, Claremont, N. H.
Application May 18, 1942, Serial No. 443,418
4 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Automatic gun positioning apparatus comprising, in combination with a gun and a remote sighting device therefor, a hydraulic motor operatively connected to said gun, a reversing valve for said motor normally spring biased to neutral position, electric valve operators to operate the valve for each direction of movement, a data receiver adapted to receive indications from said sighting device, a rotation contactor on said data receiver adapted to select one of said valve operators corresponding to the direction of rotation of said receiver, a positioning disk rotated by said receiver, a follow-up disk rotated by said gun and axially opposed to said positioning disk, apertures through each of said disks in opposed relation when said disks are in synchronous relation, means to project light through said openings when in opposed relation, and light sensitive means to receive light projected through said apertures, said light sensitive means being adapted to complete an electric circuit through said rotation contactor to one of said valve operators when said apertures are displaced and to interrupt said circuit when said apertures are in opposed relation.

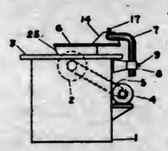
4. Means for positioning an object in accordance with signals from a remotely located control device, said positioning means comprising a data receiver motor constructed and adapted to rotate in response to signals from a remotely located control device, a positioning disc rotated by said receiver motor, a follow-up disc connected to the object to be rotated by the object, said follow-up disc being coaxial with and opposed to said positioning disc, an aperture being formed in each of said discs, said apertures being arranged so as to align with each other in one relative position of said discs, motor means connected to said object to move the same, and means responsive to relative displacement of said apertures to initiate the action of said motor means, said motor means constructed, arranged and adapted on realignment of said apertures to stop the action of said motor means and including a light source fixed in relation to said object adapted to throw a light beam through said apertures when the apertures are aligned therewith, and light responsive relay means carried by one of said discs and adapted to receive light passing through said apertures, said means responsive to relative displacement of said apertures including a contact arm rotatable by said receiver motor to either side of a neutral position depending upon the direction of rotation of said receiver motor, contacts at each side of said arm and circuits to motor governing devices therefrom, the contact arm being adapted to selectively complete an electric circuit governing the direction of action of said motor means.

2,425,330
CATHODE-RAY SYSTEM WITH BRIGHT AND DARK MARKER INDICATIONS
David E. Kenyon, Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 22, 1943, Serial No. 491,766
14 Claims. (Cl. 315—22)



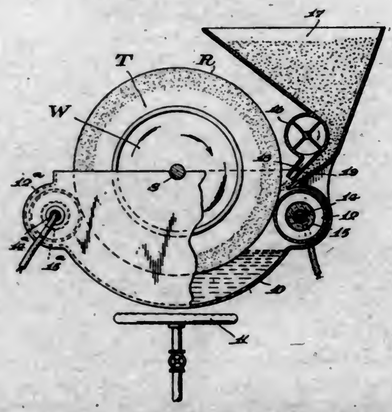
1. An object locator comprising, in combination with a radio detection system, a radio receiver, a cathode ray oscilloscope responsive to the receiver, a standard marker generator for supplying the cathode ray oscilloscope with scale marker indications, an inverter coupled to said marker generator, and means coupling the cathode ray oscilloscope to said inverter for rendering the cathode ray oscilloscope momentarily ineffective in response to an output signal from said generator during a period of receiver output.

2,425,331
GUARD DEVICE FOR CIRCULAR-SAW TABLE SAWING MACHINES
Linzie F. Kramer, Vallejo, Calif.
Application December 13, 1945, Serial No. 634,874
4 Claims. (Cl. 143—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A guard for a rotary saw having a table for supporting material in position to be sawed including, an inverted U-shaped supporting bracket mounted for universal adjustment rearwardly of the saw and above the table, the bracket having depending flanges disposed parallel to and on either side of said saw, bearing rollers carried by the bracket flanges, a guide support extending horizontally longitudinally of said bracket, guide means carried by the support for receiving the bearing rollers whereby said support may undergo longitudinal reciprocation relative to the bracket and saw, guard plates disposed longitudinally of the support and pivotally connected thereto, and means for resiliently maintaining said support forwardly of said bracket end in overlying relation to said saw.

2,425,332
APPARATUS FOR RESURFACING RUBBER TIRES
Jesse D. Langdon, Brooklyn, N. Y.
Application December 16, 1942, Serial No. 469,275
3 Claims. (Cl. 91—18)



1. Apparatus for retreading a tire carcass, comprising a vat containing fluid retreading material, means for rotatably supporting said tire for the immersion thereof in said retreading material to a predetermined depth, there being at least one roller disposed above said retreading material and arranged to be urged against said tire carcass for rolling said retreading material into intimate engagement with said tire carcass, and means for forcibly blowing predetermined amounts of fibrous material against said retreading material prior to the solidification of said material.

2,425,333
PROTECTIVE CUFF
Howard H. McCarl, Sheffield, Ala.
Application October 3, 1945, Serial No. 620,020
4 Claims. (Cl. 2—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A protective cuff comprising a flat sheet of fluid-impermeable flexible material having a flexible limb-encircling edge, said cuff being flat in plan and closable around a portion of the body of the wearer, and said edge being finished with a hem forming a hollow flexible air-filled limb-encircling bead, said bead having its ends closed.

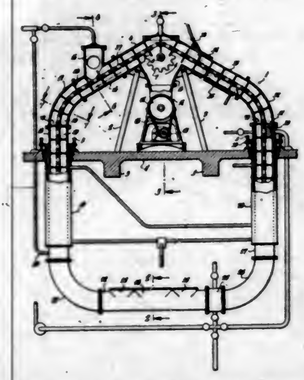
2,425,334
MODIFICATION OF FILAMENTS, ETC., DERIVED FROM SYNTHETIC LINEAR POLYAMIDES
David McCreath, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 7, 1944, Serial No. 517,470. In Great Britain January 18, 1943
4 Claims. (Cl. 8—115.5)

1. A process for modifying the properties of synthetic linear polyamide articles in the form of filaments, bristles, yarn or the like which have not been cold drawn to render said article incapable of being cold drawn by more than about 75% of their original length, said process comprising impregnating the shaped undrawn polyamide article in the form of filaments, bristles, yarns and the like with an aqueous solution having a pH of not greater than 3.0 and having dissolved therein at least 20% by weight of formaldehyde, a catalyst selected from the group consisting of acids having an ionization constant of at least 1.0×10^{-2} at 25° C., and the water soluble ammonium, amine and metallic salts of such acids, removing the surface liquid adhering to the article to prevent tendering on subsequent baking, and then baking the impregnated article at a temperature of 100° to 150° C.

2,425,335
FIBER PROCESSING APPARATUS
Hjalmar S. Messing, New York, N. Y., and Clarence L. Durkee, Wausau, Wis.
Application October 11, 1943, Serial No. 505,884
4 Claims. (Cl. 92—7)

1. In an apparatus for the treating of lignocellulose material in fragmentary form by subjecting the same to the action of a pulping fluid while under pressure a closed loop of conduit forming a descending and ascending portion joined at the top and bottom, a continuous flexible chain within said loop, spaced flights secured to said flexible chain transversely disposed with respect to the run of said conduit, means within said conduit for engaging said flexible chain to cause it to move with respect to said conduit, said conduit being provided with guid-

ing surfaces on its inner side as the sole means for guiding said flexible chain and flights, means adapted to introduce said materials into said conduit forming a pressure barrier, said introducing means being disposed on the leaving side of said driving means, and means for releasing



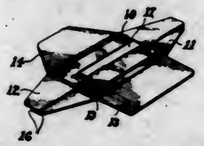
said materials without substantial escape of fluid pressure prevailing in said conduit, said releasing means being disposed to release treated material prior to return contact of the same with said driving means whereby no substantial quantity of material is caused to pass over and interfere with the operation of said driving means.

2,425,336
MICROWAVE DIRECTIVE ANTENNA
George E. Mueller, Keyport, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 17, 1942, Serial No. 469,284
11 Claims. (Cl. 250—33)



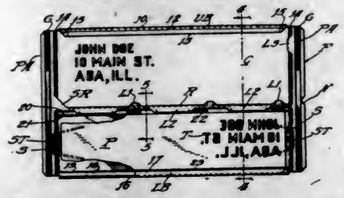
1. An unsheathed dielectric linear unidirective antenna rod having a non-uniformly tapered cross-sectional area and a length dimension extending several wavelengths in the direction of maximum radio action.

2,425,337
BLADE PACKAGE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 21, 1944, Serial No. 519,212
4 Claims. (Cl. 206—46)



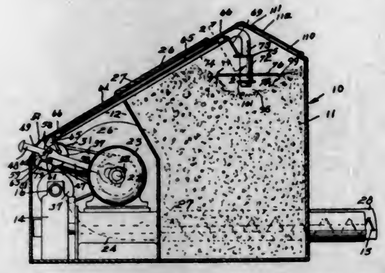
1. A blade package comprising a body of flexible sheet material having a rectangular area defined therein by end cuts and scored side lines, and end flaps, there being a longitudinal fold extending continuously through said rectangular area and end flaps, the material of the fold between the end cuts being erected into a blade-locating rib, and a slotted blade fitting upon said rib.

2,425,338
PRINTING PLATE AND REINFORCED CARRIER THEREFOR
Wilmer H. Nau, South Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 13, 1942, Serial No. 454,679
8 Claims. (Cl. 101—369)



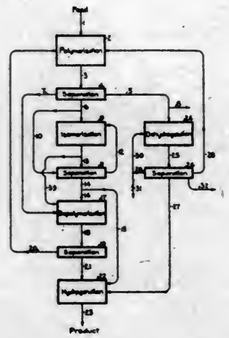
3. A printing device including a carrier, an embossable printing plate, means for securing the plate on one face of the carrier and including retaining means adapted to overlie at least selected of the marginal portions of the plate, said plate being formed from sheet material and including a rabbeted flange of reduced thickness, along at least selected marginal edges thereof that are adapted to be disposed under at least selected of the retaining means, each such selected of the retaining means being formed to project over and closely overlie the flange on the plate that is adapted to be disposed thereunder, and a formed portion in said carrier affording a reenforcement therefor and disposed to underlie a flange of reduced thickness along a marginal edge of the printing plate when said plate is installed in said carrier, such flange embodying a configuration that is complementary to said formed portion in the carrier.

2,425,339
STOKER APPARATUS
Leonard C. Neufeld, Des Moines, Iowa
Application January 22, 1945, Serial No. 573,936
4 Claims. (Cl. 302—17)



1. In stoker apparatus, the combination with a housing having a fuel hopper, of means for feeding fuel by suction into said hopper including a suction-producing means supported on said housing, a motor, means for operating said suction-producing means from said motor including a clutch device for connecting and disconnecting said suction means with said motor, an outlet for said suction-producing means open to said hopper, an inlet for said suction-producing means, a fuel-carrying conduit connected at one end with said inlet, with the opposite end of said conduit being movable to pick up stored fuel for feeding to said hopper, and means for controlling the operation of said motor in response to the actuation of said clutch device to connecting and disconnecting positions therefor.

2,425,340
PRODUCTION OF HYDROCARBONS
Alan C. Nixon and Orris L. Davis, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 12, 1943, Serial No. 506,012
15 Claims. (Cl. 260—683.6)



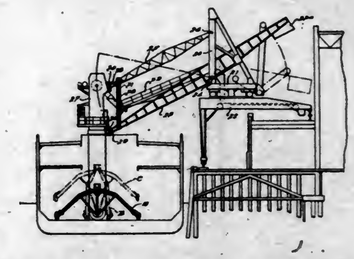
14. A process for depolymerizing olefin polymers which comprises contacting the polymer at 300° C. to 450° C. with a calcined sulfamic acid treated alumina catalyst.

15. A process of producing blending agents for gasoline comprising subjecting a polymer of an olefin having from 3 to 5 carbon atoms to isomerization to produce an isomer having an increased power output, treating the isomerization product to depolymerize unisomerized polymer present therein and hydrogenating the isomerizate.

2,425,341
PRODUCTION OF MONO- AND UNSYMMETRICALLY DISUBSTITUTED GUANIDINES
Joseph H. Paden and Alexander F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 11, 1944, Serial No. 549,124
9 Claims. (Cl. 260—564)

3. A method of preparing unsymmetrically substituted guanidines which comprises the steps of preparing an aqueous solution containing an acid salt of an amine of the group consisting of primary and secondary amines having a dissociation constant of at least 1×10^{-6} and the corresponding free amine in proportions of one mole of the said acid salt to 0.05 to 1.0 moles of the said free amine enough free amine being present to give the solution a pH of at least 8 and adding thereto over a period of time of from about ten minutes to two hours an aqueous solution of cyanamide containing from 5% to 80% by weight of cyanamide and causing a reaction to occur whereby an unsymmetrically substituted guanidine salt is formed by maintaining the temperature of the reaction mixture between 80° C. and 170° C.

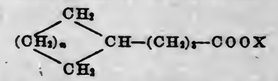
2,425,342
MATERIAL HANDLING APPARATUS
George B. Palmer, Grosse Ile, Mich.
Application December 6, 1944, Serial No. 566,858
34 Claims. (Cl. 214—115)



1. In a material handling apparatus, an upright supporting frame, a pair of scraper members extending from opposite sides of the frame and having their inner ends pivotally supported thereon, scrapers connected to the lower ends of said members, a pair of control members each pivotally supported adjacent its inner end on the frame and extending upwardly therefrom and hingedly connected at its outer end to a scraper member intermediate the ends of the latter, and mechanism for relatively moving the inner ends of said scraper members and control members in a vertical direction to spread said scraper members and to draw the same inwardly toward the frame.

2,425,343
MAKING CYCLOALKYLACETIC ACIDS
Earl L. Pelton and Andrew A. Holzschuh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 14, 1945, Serial No. 588,410
8 Claims. (Cl. 260—514)

1. In a method of making a cycloalkylacetic acid, the step which comprises reacting a compound corresponding to the general formula

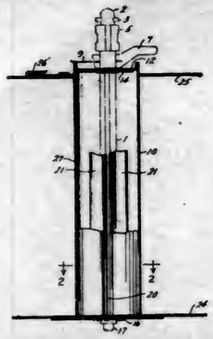


wherein n is one of the integers 2 and 3 and X is a substituent selected from the class consisting of hydrogen and alkali metal, with at least one alkali metal hydroxide at a temperature between about 370° C. and about 430° C.

2,425,344
REEL
William H. Richards, Dayton, Ohio
Application December 18, 1945, Serial No. 635,815
5 Claims. (Cl. 242—74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A winding reel for receiving a flexible material such as photographic film and the like comprising a hollow hub member, radially extending guide members secured to said hub member, a longitudinally extending aperture in said hub member for receiving the material to be wound, a driving shaft extending through the hub member and rotatable relative thereto, a slot extending longitudinally of said drive shaft and adapted to be brought into register with the aperture in the hub member to receive the material to be

wound and to cause the same to wrap around the drive shaft upon rotation of the shaft relative to



the hub and means for clutching the drive shaft in positive driving relation to the hub member.

2,425,345

MICROWAVE TRANSMISSION SYSTEM

Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 23, 1942, Serial No. 469,897
10 Claims. (Cl. 178—44)



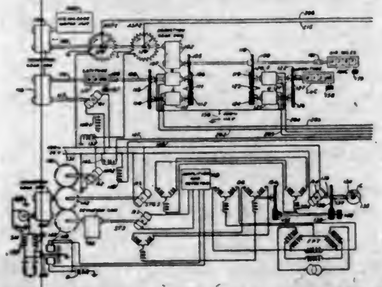
4. In combination, a metallic circular wave guide section, a pair of diametral rods extending completely across said guide, and a linear diametral conductive element extending partly across said guide and positioned at an angle of 45 degrees relative to said parallel rods.

2,425,346

AUTOMATIC DEAD RECKONING DEVICE

Robert O. Rippere, Massapequa, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 2, 1944, Serial No. 556,794
14 Claims. (Cl. 235—61)



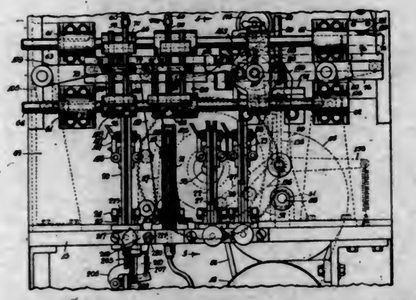
1. In an automatic dead-reckoning device for a craft, a source of current, a latitude indicator, a shaft rotatable at a speed commensurate with the speed of travel of said craft, a potentiometer operable for deriving a potential from said source, means controlled in accordance with the true course angle of said craft for deriving a potential from said source which varies in accordance with the cosine of the course angle, means for continuously comparing said potentials, and a clutch mechanism controllable by said comparing means to cause said latitude indicator to be driven from said shaft whenever said latter potential is greater than said first potential.

2,425,347

APPARATUS FOR TESTING AND CLASSIFYING INSULATING SHEETS ACCORDING TO DIELECTRIC STRENGTH

Frank R. Schmitt, New York, N. Y., assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass., a corporation of Massachusetts

Application October 7, 1942, Serial No. 461,238
32 Claims. (Cl. 209—81)



1. An automatic electrical machine for selectively rejecting below-standard dielectric sheets, said machine comprising a supply magazine, a testing block and a pair of collector magazines, one nearer the testing block for the selected sheets and the other at a greater distance therefrom for the rejected sheets, means for feeding the sheets in sequence from the supply magazine to the testing block, means for applying testing current to each sheet while on the block, means for feeding the successive sheets from the testing block, and means responsive to the electrical property of a normal sheet as determined on the testing block to deposit such sheets in one magazine and an auxiliary drive responsive to the testing current on a defective sheet to superimpose upon said normal feed a further displacement upon the sheet to deposit the rejected sheets in the other magazine.

2,425,348

MIXTURE OF CYCLIZED RUBBER AND RESORCINOL-FORMALDEHYDE RESOL

Herman E. Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 9, 1943, Serial No. 501,657
4 Claims. (Cl. 260—3)

1. A composition for bonding textile materials to rubbery polymers comprising a blend of a cyclized rubber, obtained by heating a solution of a member of the group consisting of natural rubber, rubbery polymers of 2-chlorobutadiene-1,3 and rubbery polymers of butadiene-1,3 with a small proportion of sulfuric acid and a small proportion of a phenol, and a heat-convertible resol which is the reaction product of formaldehyde and resorcinol only, the cyclized rubber constituting from 25% to 90% by weight of the total solids of the composition.

2,425,349

LAMINATED STRUCTURES

Herman E. Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 28, 1943, Serial No. 504,144
7 Claims. (Cl. 154—136)

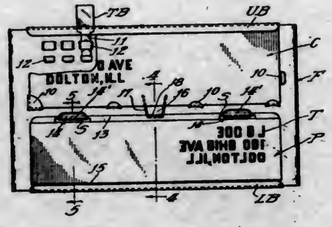
1. A laminated structure comprising a rubbery polymer and a textile material adhered to each other by a blend of a cyclized rubber, obtained by heating a solution of a member of the group consisting of natural rubber, rubbery polymers of 2-chlorobutadiene-1,3-and rubbery polymers of butadiene-1,3 with a small proportion of sulfuric acid and a small proportion of a phenol, and a heat-converted-in-situ resol which is the reaction product of formaldehyde and resorcinol only, the cyclized rubber constituting from 25% to 90% by weight of the total solids of the blend.

2,425,350

PRINTING PLATE AND CARRIER THEREFOR

Elmer A. Schultz, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 9, 1942, Serial No. 450,331
11 Claims. (Cl. 101—369)



11. A printing plate on which type characters may be embossed to appear in relief on one face and in intaglio on the opposite face thereof, and flanges along opposite edges of said plate that have corresponding faces thereof disposed to lie substantially flush with one face of said plate, other corresponding faces of the flanges being disposed to lie below the other of the opposite faces of said plate, at least one of said flanges having at least one slot formed therein to thereby define a rail intermediate the free edge of said flange and said slot, said flange having a notch formed in the free edge thereof in predetermined spaced relation with a slot formed therein.

2,425,351

PRODUCTION OF CELLULOSE ETHERS

John Henry Sharphouse, Prestwich, and John Downing, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain

No Drawing. Application October 13, 1944, Serial No. 558,616. In Great Britain November 22, 1943
6 Claims. (Cl. 106—186)

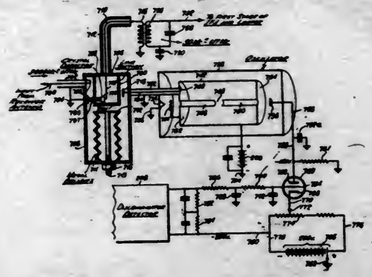
1. A cellulose ether composition comprising an ethyl cellulose containing at least two ethyl radicles per $C_6H_{10}O_5$ unit of cellulose and from 1 to 10% of the weight of ethyl cellulose of N.N'-di-beta-naphthyl-paraphenylene diamine.

2,425,352

ULTRA HIGH FREQUENCY ELECTRON DISCHARGE DEVICE SYSTEM

Robert Sloss, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 26, 1944, Serial No. 551,289
4 Claims. (Cl. 250—36)



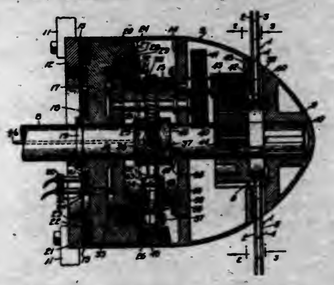
1. An ultra high frequency device including a hollow electrically closed metallic chamber adapted to have periodically repeating electromagnetic waves produced therein, a bracket mounted on the exterior of said chamber, an electron discharge device circuit assemblage supported from said bracket in spaced relation to said chamber, said assemblage including an electron discharge device, an energy coupling element carried by said assemblage and extending into the interior of said chamber through an aperture in said chamber, and means for adjusting the position of said assemblage and coupling element as an integral unit relative to said chamber.

2,425,353

FLEXIBLE, VARIABLE-DIAMETER PROPELLER

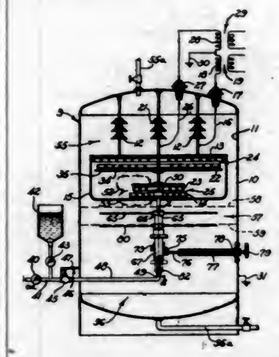
Lyman Spitzer, Jr., New Haven, Conn.

Application September 5, 1942, Serial No. 457,429
17 Claims. (Cl. 170—160)



1. In an airplane propeller, the combination of a propeller shaft, and a plurality of torsionally flexible blades extending outwardly from said propeller shaft, each blade having an average thickness not more than one-thirtieth times its average width to give an efficient blade cross-section at supersonic velocities and having a length at least sixty times its average width to make the twisting moment due to centrifugal force less than the aerodynamic twisting forces for the desired range of propeller pitch angles, composed of a metal having a fatigue strength in excess of thirty-one tons per square inch to permit efficient operation at propeller tip velocities up to and greater than the velocity of sound and at forward propeller velocities up to and greater than the velocity of sound.

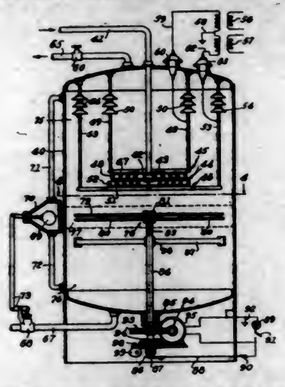
2,425,354
ELECTRIC TREATER
Richard W. Stenzel, Long Beach, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application February 23, 1940, Serial No. 320,337
2 Claims. (Cl. 204—307)



1. In an electric treater, the combination of: a tank containing superimposed bodies of treated oil and separated water respectively occupying oil and water zones, there being a sludge zone therebetween; spaced electrode means in said oil zone above said sludge zone for establishing an electric field therebetween; a riser pipe extending vertically in said tank through said sludge zone; a discharge means for jetting emulsion from the interior of said riser pipe directly into said electric field at a position between said electrode means in a manner to draw material from said sludge zone into said electric field for electrical treatment thereof in said field; an arm means extending horizontally outward in said sludge zone from a position near said riser pipe; means for journalling said arm means on said riser pipe to move in a substantially horizontal plane in a locus of motion lying exclusively within said sludge zone; and means for slowly turning said arm means to move same through said sludge zone to modify the sludge in a manner facilitating its electrical treatment when drawn into said field.

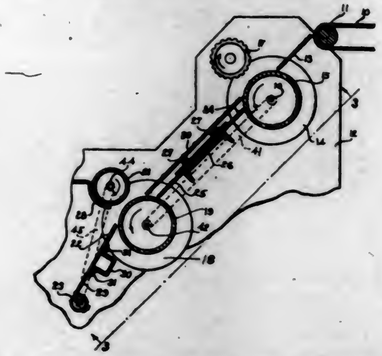
2,425,355
ELECTRICAL APPARATUS FOR SEPARATING THE CONSTITUENTS OF AN OIL-WATER SYSTEM
Claudius H. M. Roberts, Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application August 2, 1940, Serial No. 350,013
14 Claims. (Cl. 204—304)

1. In combination with a receptacle containing superimposed bodies of liquids comprising respectively oil and water which has separated from the oil, a device for resolving sludge in a sludge zone maintained in a substantially fixed position just above the separated water, which device includes: a pair of elongated electrodes extending in said sludge zone and spaced from each other; means for insulating one of said electrodes from the other and for retaining said electrodes side by side in spaced relation; means for impressing a potential difference between said electrodes whereby an electric field is established therebetween of such intensity as to resolve the sludge; and means for moving said electrodes in said sludge zone as a unit to bring different portions



of said sludge into the electric field between said electrodes.

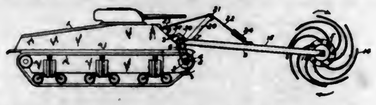
2,425,356
BREAD MOLDING MACHINE
Merlin A. Sticelber, Kansas City, Mo., assignor to Quik-Seal, Inc., a corporation of Missouri
Application February 2, 1944, Serial No. 520,750
8 Claims. (Cl. 107—12)



1. In a machine of the character described, cooperating, paired, hollow rollers rotating on parallel axes and having their outer surfaces in contact with atmospheric air, straight edged scrapers engaging said rollers, said rollers having means for passing a cooling medium longitudinally therethrough comprising a cooling medium inlet at one end of each thereof and a cooling medium outlet at the other end of each thereof and means for controlling the flow of said cooling medium to maintain the surface of said rollers at a temperature above the freezing point of water but low enough to condense water from the air surrounding said rollers onto the same.

2,425,357
APPARATUS FOR EXPLODING LAND MINES
Brooks Walker, Piedmont, Calif.
Application March 16, 1945, Serial No. 583,135
2 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A mine exploder adapted to be attached to a combat vehicle for propulsion by the latter comprising two parallel supporting beams each adapted to be pivotally mounted at one end thereof on said vehicle, a carrier rotatably mounted between the other ends of said beams, a plurality of spaced resilient spring members curved in one direction around said carrier each of said members being attached adjacent one end thereof to said carrier, said members supporting said carrier on the ground in elevated position, outer ends of said members curved to provide



linear contact with the ground on rotation of said carrier, said outer ends when below the center of said carrier extending generally in the direction of said propulsion, and means providing drive rotation of said carrier and attached members in a direction aiding said propulsion with the resulting drag of said outer ends in linear contact with the ground being in the nature of tractive propelling effort.

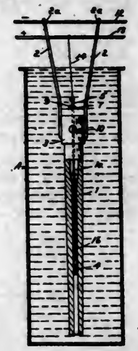
2,425,358
AIRPLANE TAB BALANCING MEANS
Lee S. Wasserman, Dayton, Ohio
Application September 13, 1944, Serial No. 553,851
5 Claims. (Cl. 244—82)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft control system including a control surface and means pivotally mounting it on the aircraft and a tab hinged to the control surface, balancing means for the tab comprising an arm carried by the tab, a second arm mounted on said pivotal mounting means to swing about the hinge line of the control surface, means operatively connecting said arms, and weight means associated with the said second arm to be actuated thereby, so that rotary motion of the weight means is in a direction opposite to that of the tab arm, said second arm and said weight means being housed within the confines of the aircraft and protected from exterior air currents, whereby vibration of the control surface will cause the weight to apply a balancing inertia moment to the tab.

2,425,359
APPARATUS FOR PRODUCING TAPERED ELECTRODEPOSITS
Arthur Zavarella, Agawam, Mass., assignor to The United States of America, as represented by the Secretary of War
Application June 16, 1942, Serial No. 447,271
3 Claims. (Cl. 204—272)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Apparatus for producing a tapered depth electroplated deposit on the chamber and adjacent portion of the bore of a firearm barrel comprising a fixture of electrically insulating material engaging the chamber end of the barrel, said fixture having fluid circulation openings, a rod-like anode concentrically supported within the barrel, the chamber end of the anode being supported by said fixture, said anode being formed from electrically conducting material and having a uniform cross-section, the cross-sectional area of said anode being proportioned with respect to its resistivity to provide sufficient electrical resistance per unit length so that a normal electroplating voltage applied to only the chamber end of such anode is reduced by voltage drop along the anode to substantially the threshold electroplating voltage at the other end of the anode, means for supplying electroplating current to



only the chamber end of said anode, and means supporting the barrel immersed in an electroplating solution with the chamber end down whereby the gases liberated in the plating operation assist in the production of a tapered depth electroplated deposit on the interior barrel surfaces decreasing in thickness from the chamber end to the muzzle end.

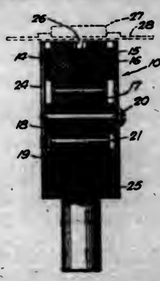
2,425,360
ALIPHATIC BIS-DIOXYDIACETONITRILES
Charles F. H. Allen and James A. Van Allan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application February 13, 1942, Serial No. 430,786. Divided and this application May 15, 1945, Serial No. 593,962
4 Claims. (Cl. 260—464)

1. An aliphatic dinitrile of the following general formula:

$$NC—CH_2—O—(CH_2)_n—O—CH_2—CN$$

wherein n represents a positive integer of from 2 to 10.

2,425,361
MAGNETIC TESTING APPARATUS
Raymond W. Brown, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1942, Serial No. 468,241
2 Claims. (Cl. 175—183)



1. In an apparatus for testing magnets, a search coil comprising a laminated cylindrical

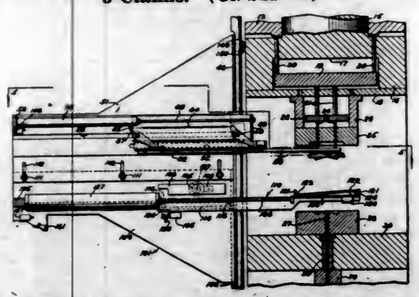
core having a bifurcated upper portion, a coil of semi-cylindrical shape wound about each part of the core, said coils being interconnected, a block of insulating material for supporting said core, a sleeve of conducting material surrounding said core and coils serving as a shield for said coils mounted on said block and connected to one of said coils, and a ring of conducting material mounted on said block and spaced from said sleeve, said ring being connected to the other of said coils.

2,425,362

UNLOADING APPARATUS

George L. Cherry, Western Springs, and Charles C. Veale, Wheaton, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1944, Serial No. 558,008
3 Claims. (Cl. 214—1)



3. An unloading apparatus for a die casting machine comprising a casting conveyor for receiving parts cast in the machine, means for moving said conveyor into position to receive parts, an ejecting device comprising a comb for engaging an article, a pantograph leverage mechanism operable to move said comb in one plane and then in another plane to strip a part from the machine onto the conveyor, and actuating means for said ejecting means.

2,425,363

PROCEDURE FOR FIXING NONGELATIN EMULSIONS AND IMPROVED NONGELATIN EMULSION FIXING BATHS

John I. Crabtree and George T. Eaton, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 23, 1943, Serial No. 491,914
9 Claims. (Cl. 95—88)

1. The process of rapidly fixing a photographic element which includes a non-gelatin layer selected from the group consisting of cellulose esters and synthetic resins of limited permeability to water containing a developed silver image which process comprises immersing said photographic element in a bath which contains as the essential fixing constituents a water soluble thiocyanate and thiourea.

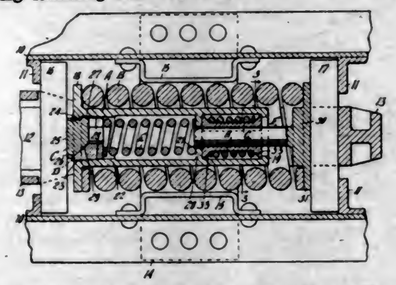
2,425,364

RAILWAY DRAFT SPRING AND FRICTION SHOCK ABSORBING MECHANISM

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application July 22, 1944, Serial No. 546,121
4 Claims. (Cl. 213—24)

1. In a shock absorbing mechanism, the combination with a friction casing having a spring follower flange at its outer end; of a friction post having a spring follower flange at its outer end, said casing and post being movable in lengthwise direction toward and away from each other; a main spring resistance interposed between said follower flanges of the casing and post and yieldingly opposing relative lengthwise movement of the casing and post toward each other; cooperating stop means on said post and casing limiting relative lengthwise movement of



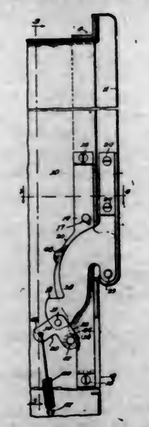
the casing and post to less than the full compression stroke of the mechanism; friction shoes within the casing embracing the friction post and having sliding engagement therewith; stop shoulders on the casing engaging said shoes to hold said shoes against movement lengthwise of the casing; means for yieldingly pressing said shoes against the post; and a spring resisted friction clutch slidingly telescoped within the casing and receiving the actuating force.

2,425,365

COUNTERBALANCED DOOR STRUCTURE

Herman A. Davidson, Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y., a corporation of Delaware

Application November 13, 1945, Serial No. 627,999
3 Claims. (Cl. 126—191)



1. A door structure comprising, a casing having a door opening, a door for closing said opening, hinge brackets rigidly mounted on the casing and door, respectively, and pivotally connected for swinging movement of the door, the bracket on the door having an inwardly projecting arm, the bracket on the casing having a vertically extending curved track with cam-means on its inner edge, a bell-crank lever fulcrumed on the inner end of the arm on the bracket on the door, having a downwardly extending arm provided with means for

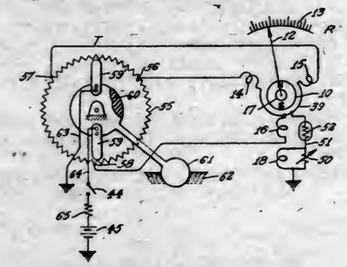
engaging the track and an inwardly extending arm, and a spring between the inwardly extending arm on the lever and the casing for exerting yielding torque to swing the lever to engage the track and to exert lifting torque on the door.

2,425,366

POINTER RETURN DEVICE

Clarence A. de Giers, Forest Hills, and Abraham Edelman, New York, N. Y., assignors to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application July 8, 1946, Serial No. 681,796
7 Claims. (Cl. 177—351)



1. In a measuring and control device, in combination a magnet rotor, control means for controlling the angular position of said rotor, indicating and control means controlled by the rotor position, magnetic means constructed and positioned to urge the rotor into a predetermined angular position, a coil included in a circuit with a source of current and positioned to produce a field balancing the influence of the magnetic means on the rotor position, voltage regulating means connected with said circuit for supplying constant current to the balancing coil independently of voltage variations of the source of current, and means for deenergizing the balancing coil, when said control means is rendered inoperative for the purposes aforesaid, thereby controlling the rotor position by the magnetic means only.

2,425,367

PREPARATION OF POLYNITROPARAFFINS

William I. Denton, Woodbury, Richard B. Bishop, Haddonfield, and Edwin M. Nygaard, Woodbury, N. J., and Thomas T. Noland, Richmond, Ky., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application August 30, 1945, Serial No. 613,712
15 Claims. (Cl. 260—644)

1. The process for the preparation of a polynitroparaffin having from three to five carbon atoms and characterized by attachment of at least two nitro groups to other than primary carbon atoms, which comprises: reacting a nitroparaffin selected from the group consisting of a mono-nitroparaffin and a poly-nitroparaffin having at least one less nitro group than said first-mentioned poly-nitroparaffin with a nitrating agent at a temperature from about 150° C. to about 250° C. at an elevated pressure in excess of about 150 pounds per square inch, said nitroparaffin reactant having from three to five carbon atoms, being characterized by attachment of each nitro group to other than a primary carbon atom and being further characterized by at least one hydrogen atom attached to other than a primary carbon atom.

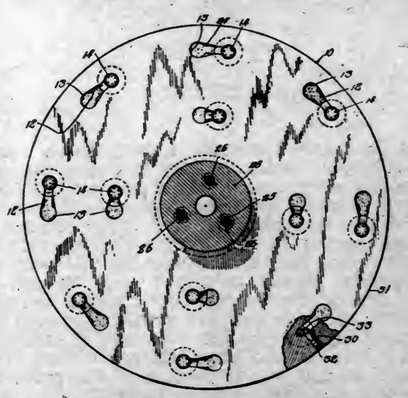
14. The process for the preparation of 2,2-dinitropropane from 2-nitropropane, which comprises: reacting about one molar proportion of 2-nitropropane with a quantity of 70 per cent nitric acid containing one molar proportion of nitric acid at about 200° C., a pressure of about 900 pounds per square inch and a space velocity of about 4.

2,425,368

ABRASIVE DISK UNIT

Albert J. Doermann, Chicago, Ill., assignor to Titan Abrasives Company, a corporation of Illinois

Application April 6, 1945, Serial No. 586,859
7 Claims. (Cl. 51—209)



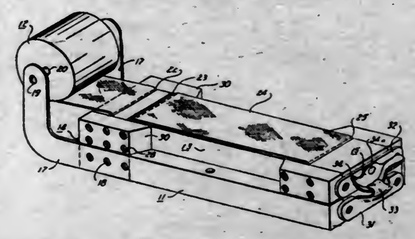
1. An abrasive disk unit comprising: backing plate means provided with a plurality of slots; an abrasive disk assembly having studs with enlarged heads extending from the rear face thereof, said slots having enlarged ends for receiving said studs, the opposite ends of said slots being of a size to snugly receive said stud; and resilient means on said studs to clamp them to the backing plate.

2,425,369

DEVICE FOR SHARPENING CUTLERY

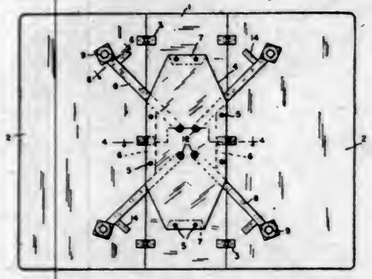
William E. Fleming, Cedar Rapids, Iowa

Application April 11, 1947, Serial No. 740,887
6 Claims. (Cl. 51—185)



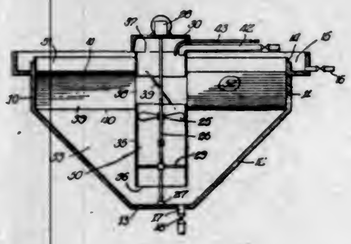
1. In a sharpening device of the character described, a base member, a top member having a plurality of slots extending therethrough adjacent the ends thereof, an abrasive strip extending over the portion of the top member between said slots, the ends of the said abrasive strip passing downwardly through the said slots and between the adjacent surfaces of said base and top members, means for hingedly connecting the said base and top members together at one end, and means, adjacent the opposite end thereof, for clamping said members together.

2,425,370
DROP-LEAF TABLE
Frank Giberson, South Lyons, Mich.
Application June 8, 1945, Serial No. 598,294
6 Claims. (Cl. 311—63)



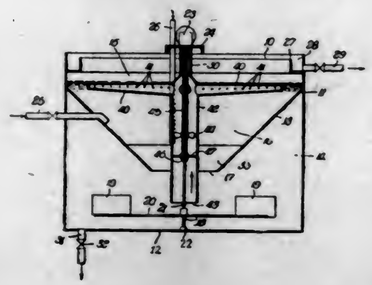
3. In a drop leaf table, a fixed leaf, a pair of drop leaves, means hinging the drop leaves to opposite margins of the fixed leaf, a guide downwardly spaced from the center portion of the fixed leaf, four relatively spaced supports for the guide carried by the fixed leaf, four swinging arms guided between the fixed leaf and guide and outwardly projecting respectively through the four spaces between said supports and limited in their inward and outward swinging by said supports, a leg fixed on the outer end of each arm, and pivots for said arms jointly mounted in the fixed leaf and center portion of the guide and spaced inwardly from said supports.

2,425,371
APPARATUS AND PROCESS FOR IMPROVING SEPARATION OF CLARIFIED LIQUID FROM A SLURRY BY SUBDIVIDING THE SLURRY AT THE SEPARATION INTERFACE INTO A PLURALITY OF SHALLOW STREAMS
Walter H. Green, Batavia, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application January 7, 1943, Serial No. 471,634
18 Claims. (Cl. 210—16)



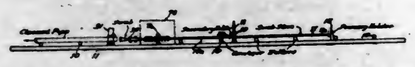
1. A slurry type water treating apparatus wherein water and a precipitating reagent are mixed in a pool of slurry having a clearly defined upper surface from which clear water escapes comprising a tank having a clarified water outlet from its upper portion, a plurality of steeply sloping settling plates extending horizontally across the cross-sectional area of said tank at an intermediate level therein vertically spaced below said clarified water outlet, said plates functionally separating said tank into a reaction space in the lower portion of said tank and a clarified water space overlying said reaction space, means for supplying water and a reagent into the reaction space, a solids outlet at a level below said clarified water outlet, and means to cause a horizontal flow of slurry along said plates, said means including a mechanically driven liquid moving member in said reaction space, a partition structure surrounding said liquid moving member and extending from adjacent the bottom of said tank to adjacent the level of said settling plates, and a motor operatively joined to said liquid moving member.

2,425,372
APPARATUS AND PROCESS FOR IMPROVING SEPARATION OF CLARIFIED LIQUID FROM A SLURRY BY MAINTAINING A SLURRY CIRCULATION INCLUDING A FLOW OF SLURRY ADJACENT THE SEPARATION INTERFACE
Walter H. Green, Batavia, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application January 7, 1943, Serial No. 471,635
26 Claims. (Cl. 210—16)



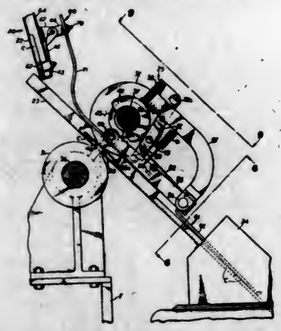
1. In a water treating apparatus of the type wherein during operation there is maintained a pool of slurry having a clearly defined upper surface from which clear water escapes, said apparatus comprising a tank, a sloping wall structure in said tank dividing the same into a lower space which during operation is normally completely filled with said slurry and an upper zone which is of greater cross-sectional area in its upper portion than in the lower part thereof, in which zone is maintained the clear water escape surface within the vertical limits of said sloping wall structure, above which surface is a clarified water space and below which surface the zone is filled with slurry, said wall structure having an open passageway between said lower space and said upper zone at the lower end thereof, a clarified water outlet from the upper portion of said zone, an inlet for admitting water into the slurry containing part of the tank, means for delivering treating reagent to water to be treated, a waste discharge from the tank, and a power driven slurry moving member within the lower portion of the tank, means for delivering a horizontal flow subjacent said surface thereby improving the escape of clarified water therefrom, said means comprising a flow means between said lower space and said upper zone, said flow means opening horizontally within said upper zone at a level adjacent to but below the normal elevation of said surface, and means to cause flow between said lower space and said zone through said flow means.

2,425,373
METHOD AND APPARATUS FOR SALVAGING PIPE LINES
Arthur M. Hill, Edward J. Miller, and Eugene G. Baker, Tulsa, Okla., assignors to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
Application April 30, 1943, Serial No. 485,260
11 Claims. (Cl. 134—8)



1. A pipe swabbing apparatus comprising a guide stem, means for anchoring one end of said stem, a swab stem flexibly linked to the other end of said guide stem in substantial axial alignment therewith, means for independently anchoring said swab stem, roller means disposed below said guide stem for conveying the pipe sections longitudinally along said guide stem, swab means fixed to the free end of said swab stem, a first traction means for urging a conduit longitudinally over said swab stem, and a second traction means for withdrawing the pipe from said swab at a relatively high rate.

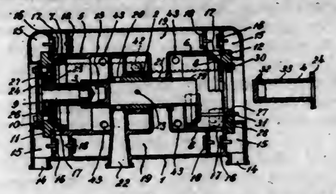
2,425,374
CAP EMBOSSING DEVICE
William Herbert Kagley, Lindsay, Calif., assignor to Lindsay Ripe Olive Company, Lindsay, Calif., a corporation of California
Application November 13, 1944, Serial No. 563,297
14 Claims. (Cl. 101—6)



2. A cap embossing device comprising: a slotted cap gravity chute, die wheels mutually cooperating through the slot of said chute in due transverse direction to emboss a cap, means to deliver caps into said chute, and means operable in another transverse direction to yieldably arrest the caps in position in the chute to be acted on by the die wheels.

2,425,375
FREE PISTON ENGINE
Walter Kilchenmann, Winterthur, Switzerland, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland
Application October 2, 1945, Serial No. 619,883
In Switzerland April 13, 1945
9 Claims. (Cl. 230—56)

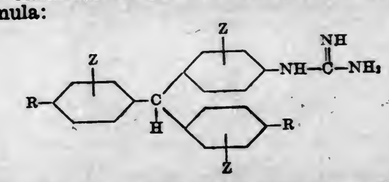
1. A free piston engine having a compressor cylinder closed by a cover, an internal combustion cylinder connected to the compressor cylinder, a compressor piston arranged in said compressor cylinder, an internal combustion piston working in said internal combustion cylinder, said internal combustion piston being detachably connected to said compressor piston, and said cover being fitted with a closable opening so that the internal combustion piston can be built into



the engine and removed from it through the compressor piston and through the cover without removing the compressor piston and the cover.

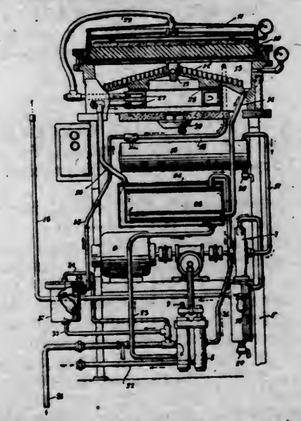
2,425,376
GUANIDINE DERIVATIVES AND METHOD OF PREPARING THE SAME
Samuel Kushner, Montvale, N. J., and Louis Brancone, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 14, 1945, Serial No. 599,520
8 Claims. (Cl. 260—391)

1. Chemical compounds having the following formula:



wherein R is a member of the group consisting of amino radicals and guanido radicals, and Z is a member of the group consisting of hydrogen and methyl radicals.

2,425,377
RECLAIMING APPARATUS
Theodore A. La Brecque, Elmira, N. Y., assignor to The Hilliard Corporation, Elmira, N. Y., a corporation of New York
Application December 6, 1944, Serial No. 566,882
3 Claims. (Cl. 196—16)



1. A unitary oil reclaiming apparatus including in combination liquid-filtering means, vaporizing

means disposed below and connected to said filtering means to receive liquid therefrom, said vaporizing means having a vapor outlet, heating means acting to heat said vaporizing means and to correspondingly raise the temperature of the liquid therein, whereby vapor emanating from said liquid may pass through said outlet, a liquid-supply line extending to said filtering means, a liquid-discharge line extending from said vaporizing means, a pump to receive oil from said discharge line, a vacuum pump, a distillate-receiving tank connected thereto and to the outlet of said vaporizing means, a pressure pump interposed in said liquid-supply line, and means for intermittently connecting said vacuum pump with said supply line at a point adjacent said pressure pump whereby to elevate liquid within said supply line.

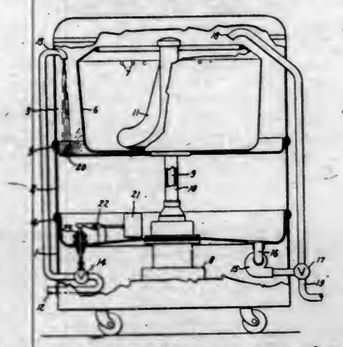
2,425,378

SUDS-LOCK DECREASING MEANS FOR SPINNER TYPE CLOTHES WASHING MACHINES

Charles A. Lindemann, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application April 21, 1943, Serial No. 483,883

2 Claims. (Cl. 68—23)



1. In a washing machine, a spinner basket for receiving clothes to be washed and centrifugally dried, a casing surrounding the basket having storage space below the basket for liquid contents of the basket, an inwardly extending ledge on the casing adjacent the lower end of the basket, and nozzle means for discharging a stream of fresh water downwardly against the ledge, the arrangement being such as to produce a spray at the lower end of the basket to decrease suds-lock.

2,425,379

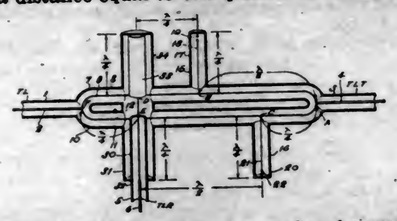
TRANSMISSION LINE CIRCUIT

Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 4, 1943, Serial No. 501,273

7 Claims. (Cl. 178—44)

1. A switching circuit adapted to be connected between a first and a second pair of transmission lines and including a pair of parallel transmission lines, each of said transmission lines including an outer shell conductor and an inner conductor, the conductors of said pair of transmission lines being connected in a parallel relationship to conductors of said first and second lines, the length of each of said pair of lines being one wavelength, means for connecting the conductors of a third transmission line in a push-pull relationship to inner conductors of said pair of lines at a distance equal to a quarter of the operating wavelength from the connection to the first transmission line, a quarter wave trap spark circuit connected across one of said pair of lines at a distance equal to one quarter of the operat-



ing wavelength from the other end and a quarter wave trap spark circuit connected across the other of said pair of lines at a distance equal to one half of the operating wavelength from said other end.

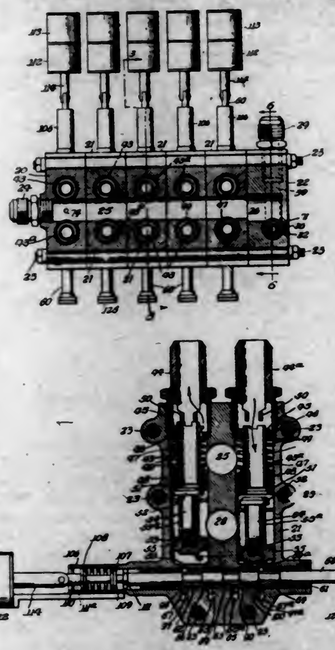
2,425,380

SELECTOR VALVE MECHANISM

Carlos B. Livers, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application June 19, 1943, Serial No. 491,430

2 Claims. (Cl. 137—144)



1. Mechanism for selectively and hydraulically controlling a plurality of two-way hydraulic systems, comprising: a plurality of like units for individually controlling the systems, respectively, each unit comprising a casing section adapted to mate with the casing section of another unit, a pair of parallel cylindrical chambers, substantially parallel pressure and return ducts extending through the casing section between and communicatively intersecting the cylindrical chambers, a slidable piston and valve in each cylindrical chamber for controlling the flow of actuating fluid from the pressure duct to the respective

system, a slidable valve and piston in each of the cylindrical chambers for controlling the flow of fluid from said system to the return duct, means for conducting fluid from the pressure duct to each of the cylindrical chambers, means for conducting fluid from each of the cylindrical chambers to the return duct, a pilot valve in the casing movable between a neutral position and two actuating positions and being provided with means for controlling flow through each of said fluid conducting means, a by-pass through the casing for fluid from the first-mentioned fluid conducting means, and means controlled by the pilot valve for opening said by-pass when the pilot valve is in neutral position and for closing the by-pass and building up pressure in the fluid to the pilot valve when the pilot valve is shifted to an actuating position.

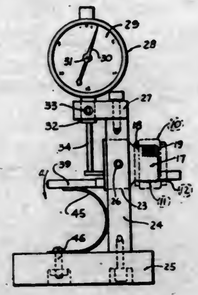
2,425,381

CONCENTRIC THREAD GAUGE

John B. Lovick, Glendale, Calif., assignor to Allied Appliance Co., Los Angeles, Calif., a copartnership comprising William P. Todd and Milton C. Miller, Jr.

Application March 28, 1944, Serial No. 528,458

4 Claims. (Cl. 33—199)



1. A gauge for testing relative eccentricity of a threaded bore and another longitudinally aligned bore within a machined part, which comprises a support, a fixed mandrel carried thereby having thread portions on one side of the axis thereof agreeing in number and pitch with the threads in the bore of the work piece and also agreeing in pitch diameter therewith, whereby when the work piece is mounted on said mandrel the pitch diameters of the threads on the mandrel and the threads on the bore of the work piece will be coincident, a gauge finger pivoted for radial swinging movement on the mandrel and extending into the other bore of the work piece and contacting with the bore surface thereof opposite to that engaged by said threaded portions whereby relative eccentricity between the threaded bore and the other bore will cause movement of the finger as the work piece is rotated.

2,425,382

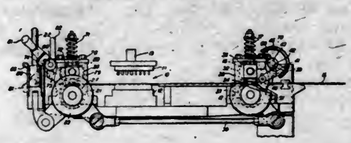
APPARATUS FOR ADVANCING STRIP MATERIAL

Carl B. Lubbert, Annesiie, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 26, 1945, Serial No. 590,377

8 Claims. (Cl. 164—116)

8. Apparatus for feeding material to a punch press, which comprises a set of pushing rolls movable into and out of operative relationship with a strip of material for advancing it toward the punch press when moved into operative relationship therewith, a set of pulling rolls movable into and out of operative relationship with the strip for advancing it from the punch press when moved into operative relationship therewith, means for urging the set of pushing rolls out of operative relationship with respect to the strip, means for moving the pushing rolls into operative relationship with respect to the strip, means for latching the set of pushing rolls in operative relationship with respect to the strip, means for moving the set of pulling rolls into



operative relationship with respect to the strip, a solenoid having a winding for releasing the latching means when energized, a switch having normally open contacts in series with the winding of the solenoid, and means associated with the last-mentioned moving means for closing the contacts of the switch when the set of pulling rolls is moved into operative relationship with the strip, whereby the set of pushing rolls is moved out of operative relationship with the strip at the same time that the set of pulling rolls is moved into operative relationship therewith.

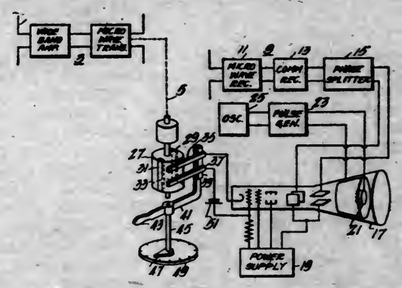
2,425,383

RADIO DIRECTION FINDING

David G. C. Luck, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 31, 1943, Serial No. 489,167

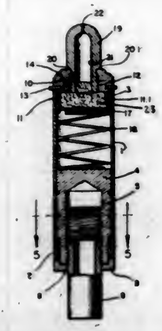
15 Claims. (Cl. 250—11)



1. A radio direction finder system including a wave collector element, means for revolving said element in a circular path about a fixed point whereby a signal picked up by said element is phase modulated at a frequency equal to the frequency of revolution of said element and in a phase determined by the azimuth of arrival of said signal, a cathode ray tube provided with orthogonally disposed deflection means, radial deflection means and a beam intensity control electrode, means for applying said phase modulated signal to said orthogonally related electrodes to produce circular deflection of the cathode ray beam of said tube whereby a circular scanning pattern is produced on the screen of said tube, a pulse generator connected to said radial deflection means, means for controlling said generator to produce pulses at a repetition frequency substantially equal to the carrier frequency of said phase modulated signal, means for generating

voltage pulses at a repetition rate equal to twice said frequency of revolution, means for applying said last mentioned pulses to said radial deflection control electrode whereby two discrete radial deflections are produced on said circular scanning path, and means for varying the phase of said last mentioned pulses to vary the angular positions of said deflections upon said scanning pattern.

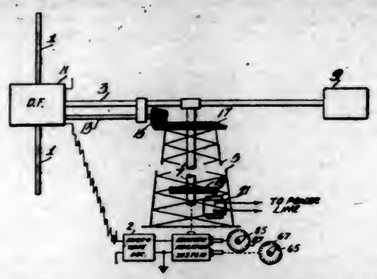
2,425,384
APPLICATOR
Stephen Malko, Chicago, Ill., assignor to Malko & Lock Machine Products, Chicago, Ill., a partnership composed of Stephen Malko and John A. Lock
Application November 12, 1946, Serial No. 709,143
3 Claims. (Cl. 128—185)



3. In an applicator for forcing air into nasal passages an open-ended cylinder having internal threads at each end thereof, a piston in said cylinder, a piston rod removably secured to said piston and extending beyond one end of said cylinder, an externally threaded cap, an externally threaded bushing, said cap and bushing each having an axial aperture therein threaded one into each end of said cylinder, said rod being positioned in said bushing, a finger grip loosely anchored to said cap, a nozzle removably secured to said cap and having a chamber therein and an air port therein communicating with said chamber, a screen in the forward end of said cylinder, a coil spring interposed between said screen and said piston for normally urging said piston away from said screen, and a porous medicated material positioned in said cylinder between said port and said piston, whereby medicated air under pressure may be emitted from said port upon operation of said cylinder.

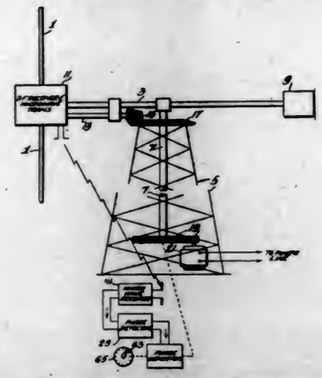
2,425,385
DIRECTION FINDER
Lowell E. Norton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1943, Serial No. 489,033
4 Claims. (Cl. 250—11)

1. In a radio direction finder system providing phase modulation of the carrier of an arriving wave, the method of determining the azimuth of arrival of said wave, comprising the steps of locally generating an unmodulated voltage having a frequency equal to the frequency of said carrier, locally generating a second voltage having a frequency equal to the frequency of said phase modulation of said carrier, further modulating said phase modulated carrier with said second locally generated voltage, adjusting the phases of said carrier and of said second locally generated voltage so that the superimposed phase modulations



of said carrier are opposite, and measuring the magnitudes of said phase adjustments.

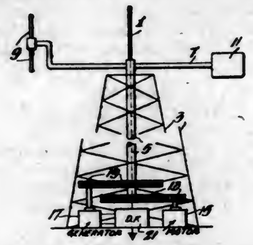
2,425,386
DIRECTION FINDER
Lowell E. Norton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1943, Serial No. 489,034
5 Claims. (Cl. 250—11)



1. In a radio direction finder system providing phase modulation of the carrier of an arriving wave, the method of determining the azimuth of arrival of said wave, comprising the steps of locally generating a modulated voltage having a frequency equal to that of the carrier of said wave, converting said phase modulated signal to an intermediate frequency signal bearing corresponding phase modulation, converting said locally generated voltage to a modulated voltage of intermediate frequency, continuously comparing said intermediate frequency voltage in phase to derive a third voltage having a frequency equal to that of said phase modulation of said signal carrier, locally generating a fourth voltage of constant phase having a frequency equal to said phase modulation of said signal carrier, and comparing the phases of said third and fourth voltages.

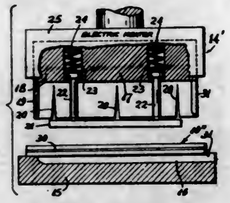
2,425,387
DIRECTION FINDER
Lowell E. Norton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1943, Serial No. 489,035
4 Claims. (Cl. 250—11)

1. A radio direction finder system comprising a fixed antenna and a substantially resonant antenna, means for revolving said substantially resonant antenna about said fixed antenna as a center, a radio receiver means including a demodulator connected to said fixed antenna, means for locally generating an alternating voltage cor-



responding in instantaneous magnitude to the angular position of said revoluble antenna with respect to a predetermined reference line, and means for comparing the phase of said voltage with the phase of the output voltage of said demodulator means.

2,425,388
PLASTIC INNER SOLE
Bernard Oestricher, Brooklyn, N. Y.
Application April 23, 1943, Serial No. 484,132
3 Claims. (Cl. 154—42)



2. Means for the manufacture of plastic inner soles, comprising a base die section having a curved edge recess in its top face, a top cutting die section having a flexible cutting edge for cutting superimposed layers of plastic material into the shape of an inner sole as said cutting edge enters the recess in the bottom die section and engages said curved edge, means on said top die section for holding said layers against shifting during the cutting operation, and means for heating said top die section to melt the superimposed cut edges of the inner sole during the cutting operation so these edges may be fused to form a unit of said layers.

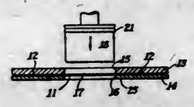
2,425,389
MANUFACTURE OF VINYL ESTERS
Horace Finningley Oxley and Edward Boaden Thomas, Spondon, near Derby, and Winton Gordon Boyce Mills, Wimbledon, London, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application August 23, 1945, Serial No. 612,294. In Great Britain September 4, 1944
12 Claims. (Cl. 260—491)

1. Process for the manufacture of a vinyl type ester of formula RR'C:CH.OAc, where R and R' are selected from the class consisting of hydrogen and alkyl groups and Ac is an acyl group derived from a fatty acid containing at most 5 carbon atoms, which comprises forming the vinyl type ester by heating a diester of formula

$$RR'CH.CH(OAc)_2$$

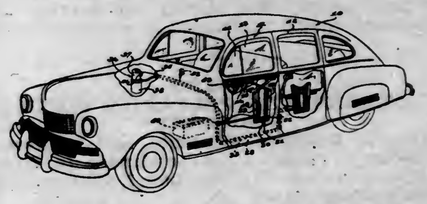
where R, R' and Ac have the meanings set out above, in admixture with more than the equimolecular quantity of the anhydride of the carboxylic acid AcOH and with an aromatic hydrocarbon sulphonic acid as catalyst, and simultaneously removing the vinyl type ester by distillation from the reaction zone.

2,425,390
FORMING FLANGED OR BEADED CONTAINERS
Kendrick Palmer, Robert E. Kugler, and Harvey M. Bryans, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 15, 1946, Serial No. 641,394
15 Claims. (Cl. 18—56)



1. A method of forming a controlled peripheral enlargement on a deep-drawn container made from a sheet of thermoplastic material comprising, restraining the sheet in a plane, conditioning the sheet for drawing, forcing a drawing member against said sheet and past the plane thereof to cause said sheet to assume the shape of said member, and then increasing the drawing speed of said member during the drawing operation to cause the formation on said container of an enlarged peripheral portion.

2,425,391
HYDRAULIC REGULATOR MECHANISM FOR VEHICLE WINDOWS OR THE LIKE
John B. Parsons, Toledo, Ohio
Application July 3, 1944, Serial No. 543,363
1 Claim. (Cl. 268—20)



In a vehicle body, a plurality of window glasses mounted for movement between open and closed positions, a regulator mechanism associated with each window glass for effecting such movement, each mechanism comprising a fluid motor for effecting window closing movement, said motor including a cylinder and piston, an operative connection between said piston and the opposite edge portion of the window glass, an electromagnetically controlled normally closed valve controlling the passage of fluid to and from said cylinder, a pump for supplying fluid under pressure to said cylinder, an electric motor for operating said pump, a fluid reservoir communicating with said pump, a contractile spring anchored at one end, means providing an operative connection between said spring and said window glass for tensioning the spring during movement of the window glass in one direction, thereby to enable the spring to

move the window glass in the opposite direction, a switch individual to each regulator mechanism having one contact electrically connected to the respective electromagnetic valve, another contact electrically connected to said electric motor, and an armature electrically connected to a source of electricity for concomitantly operating such electromagnetic valve and said electric motor when disposed in one position or for operating only such electromagnetic valve when in another position, and another switch separate from the first-named switches and having a plurality of separate contacts electrically connected to said electromagnetic valves respectively, another contact electrically connected to said electric motor, and an armature electrically connected to said source of electricity for energizing all of said electromagnetic valves and the electric motor when in one position or for energizing all of said electromagnetic valves only when in another position, thereby to cause movement of all of the window glasses simultaneously either toward open or closed position.

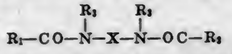
2,425,392

DIAMIDE TEXTILE LUBRICANTS

Edwin A. Robinson, Chatham, and Maurice J. Kelley, Newark, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application June 23, 1943, Serial No. 491,969
19 Claims. (Cl. 260—404.5)

1. Diamides having the general formula:



wherein R_1—CO— represents an aliphatic acyl radicle containing from 8 to 22 carbon atoms; —OC—R_2 represents a fatty acyl radicle containing from 2 to 5 carbon atoms; R_3 in each occurrence, and independently of its other occurrence, represents a substituent chosen from the group consisting of hydrogen atoms and alkyl radicles; and —X— represents an aliphatic linking chain selected from the group consisting of bivalent hydrocarbon chains and bivalent hydrocarbon chains interrupted by an ether linkage.

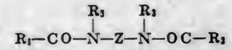
2,425,393

HYDROXYLATED POLYAMIDE TEXTILE LUBRICANTS

Edwin A. Robinson, Chatham, and Maurice J. Kelley, Newark, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application June 23, 1943, Serial No. 491,970
11 Claims. (Cl. 260—404.5)

1. A hydroxylated polyamide having the formula:



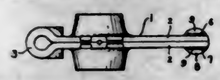
wherein R_1—CO— represents a fatty acyl radicle containing from 8 to 22 carbon atoms; —OC—R_2 represents a fatty acyl radicle containing from 2 to 5 carbon atoms; Z represents an aliphatic linking radicle having an unsatisfied valence at both ends thereof chosen from the class consisting of (a) aliphatic hydrocarbon radicles, (b) aliphatic hydrocarbon radicles having a hydrogen atom replaced by a hydroxyl group and (c) aliphatic hydrocarbon radicles and aliphatic hydrocarbon radicles having a hydrogen atom replaced by a hydroxyl group which radicles are interrupted by groups selected from the class consisting of imino and neutralized imino groups; R_3 in each occurrence, and independently of its other occurrence, represents a substituent chosen from the class consisting of hydrogen atoms, alkyl groups, aliphatic acyl groups and alkylol groups; with the proviso that at least one of the substituents R_3 and Z must contain a hydroxyl group.

2,425,394

ENGINE ROCKER ARM

Henry C. Ronfeldt, Toledo, Ohio, assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application August 25, 1944, Serial No. 551,160
2 Claims. (Cl. 74—519)



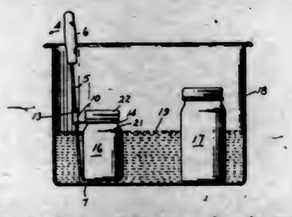
1. An engine rocker arm comprising an arm member, said arm member comprising a plurality of sheet metal layers provided with oppositely extending lugs at one end thereof; a hub intermediate said ends; and a cupped member provided with ears whereby said cupped member is rigidly secured to said lugs.

2,425,395

FRUIT JAR LIFTER

William A. Root, Huntington Park, Calif.

Application October 9, 1944, Serial No. 557,830
3 Claims. (Cl. 294—32)



1. In a fruit jar lifter, a shank member, an apertured, channel-shaped body member mounted on the shank member, the apertures being arranged in pairs at different elevations in the channel-shaped member, a resilient loop yieldingly and pivotally mounted in the apertures of the body member at a given elevation, the loop being removable from said elevation and dimensioned to be pivotally mounted in the apertures of the body member at a different elevation, the inherent resilience of the loop tending to maintain it in its pivoted relation with the body member in each elevation.

2,425,396

WATER-SOLUBLE SALTS OF N.N'-DI-(SULFOALKYL) - 4.4' - DIAMINODIPHENYLSULFONES AND PREPARATION

Francis Leslie Rose, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 14, 1943, Serial No. 472,427. In Great Britain January 24, 1942
3 Claims. (Cl. 260—397.6)

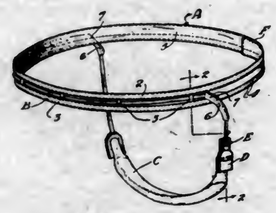
1. Process for the manufacture of a water-soluble derivative of 4:4'-diaminodiphenylsulphone, which comprises reacting one molecular proportion of 4:4'-diaminodiphenylsulphone with two molecular proportions of acetaldehyde-sodium bisulphite.

2,425,397

BELT FOR GARTERS AND SANITARY PADS

Leo Roseman, Newark, N. J.

Application August 18, 1943, Serial No. 499,062
5 Claims. (Cl. 128—291)



1. In combination a support to encircle the body, and a tape having devices at its end portions to be connected to an article of apparel, said support having guide means in which the intermediate portion of said tape between said end portions is slidable, said guide means including tubular flexible guide members arranged spaced circumferentially of the support, one for each end portion of said tape with one end of each guide member directed circumferentially of said support and the other portions of said guide member curved downwardly away from the support, the walls of each guide member at the upper side and over a portion of the circumference thereof being squeezed together, a line of superposed tying stitches penetrating said squeezed-together portion and said support for securing the upper side of said end of each guide member to said support, the lower side of each guide member being yieldable and flexible, and said tape being threaded through both of said guide members with its end portions projecting from the other ends of the respective said guide members.

2,425,398

MANUFACTURE OF PHTHALIC ANHYDRIDE

Robert F. Ruthruff, Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a company of Ohio

Application April 17, 1942, Serial No. 439,336
2 Claims. (Cl. 260—342.5)

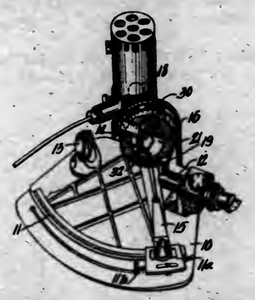
1. A process for the preparation of phthalic anhydride from a petroleum fraction of the nature of heavy naphtha comprising, in combination, vaporizing said petroleum fraction, passing the resulting vapors through a first fluidized bed of catalyst, exhibiting combined reforming and oxidizing properties, at reaction temperature for a time sufficient to effect extensive aromatization of said petroleum fraction, separating a fraction rich in dimethyl naphthalenes from the reaction products, vaporizing said fraction rich in dimethyl naphthalenes, passing the resulting vapors, in admixture with a gas containing free oxygen, through a second fluidized bed of catalyst, exhibiting combined reforming and oxidizing properties, at reaction temperature for a time sufficient to effect substantial conversion of said dimethyl naphthalenes to phthalic anhydride, passing catalyst from the first fluidized bed of catalyst to the second fluidized bed of catalyst to accomplish the regeneration thereof, passing regenerated catalyst from the second fluidized bed of catalyst to the first fluidized bed of catalyst, and cooling said last mentioned catalyst to maintain the reaction temperature substantially constant therein.

2,425,399

METHOD AND APPARATUS FOR MEASURING THE INDEX OF REFRACTION OF THIN LAYERS OF TRANSPARENT MATERIAL

Lawrence T. Sachtleben, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application June 17, 1943, Serial No. 491,132
9 Claims. (Cl. 88—14)



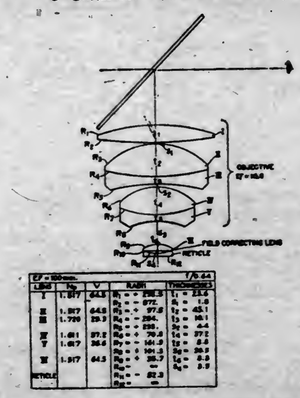
1. A refractometer including a rotatable specimen support, a light source rotatable about the same axis as said support for illuminating said specimen, a stationary observation member including means for polarizing the reflected light image of said specimen in a plane parallel to the incidence of the light on said specimen, and means for establishing between said support and said source a rotational speed relation such that a stationary light beam is directed toward said stationary observation member.

2,425,400

HIGH APERTURE COLLIMATING LENS SYSTEM

Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

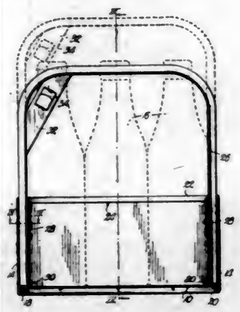
Application November 27, 1943, Serial No. 511,964
9 Claims. (Cl. 88—57)



1. A high aperture collimator objective comprising three positive components of which the front one is biconvex with its more strongly curved surface to the front and each of the other two is a meniscus with its front surface more strongly convex to the front than the front surface of the component immediately in front of it, the two meniscus components being compound and each consisting of a bi-convex element cemented onto the front of a negative ele-

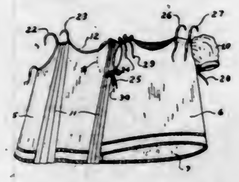
ment whose refractive index is higher than that of the biconvex elements on the average for the two components by at least 0.05, and in which the axial thickness of each component is greater than either airspace between the components.

2,425,401
BOTTLE CARRIER
Clyde M. Shaw and Herbert S. Putney, Topeka, Kans., assignors to W. A. Morse, Mission, Kans.
Application July 16, 1945, Serial No. 605,342
2 Claims. (Cl. 224—45)



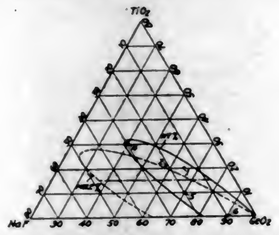
1. In a bottle carrier of the kind described, a body having a bottom wall, opposed side walls, and end walls substantially perpendicular to the bottom wall, said side and end walls being formed of resilient sheet material, the upper edges of the side and end walls being provided with an inwardly rebent portion to present a continuous shoulder next to the sides of the bottles in the carrier, the normal distance between the rebent portions of the side walls respectively being slightly less than the combined outside diameters of two bottles which the carrier supports whereby to establish a grip on the bottles.

2,425,402
INFANT'S GARMENT
Ona Sieloff, Ferndale, Mich.
Application May 18, 1944, Serial No. 536,065
2 Claims. (Cl. 2—75)



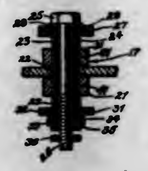
1. In a device of the character described, the combination of a central panel having a double thickness of material open at the bottom and adapted to serve as respective sections of an outer skirt and an under skirt, a wing panel on either side of said central panel, one of said wing panels being arranged to fold completely over said central panel to form another section of the under skirt, and the other said wing panel being arranged to fold over said first-named wing panel to form another section of said outer skirt, and means to secure said panels in predetermined position.

2,425,403
FLUOGERMANATE GLASS
Kuan-Han Sun, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1946, Serial No. 644,180
6 Claims. (Cl. 106—47)



1. An optical glass resulting from a batch preponderantly of germanium oxide and containing also alkali fluoride and titanium oxide.

2,425,404
ELECTRIC TERMINAL FOR HERMETIC COMPRESSORS
Jens Touborg, Tecumseh, Mich.
Application June 10, 1946, Serial No. 675,597
5 Claims. (Cl. 174—153)

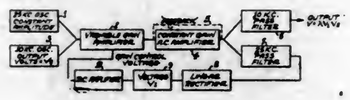


1. An electrical terminal assembly comprising a wall member having bosses on either side thereof, said wall and bosses being formed with aligned apertures defining a straight sleeve, a plastic non-conductive bushing positioned in the sleeve adjacent the wall, relatively rigid non-conducting bushings positioned in the sleeve on each side of the plastic bushing, said rigid bushings being of such length as to extend beyond its adjacent boss when unstressed, a stud passing through all of said bushings and projecting beyond the bosses on each side of the wall, relatively rigid insulating washers positioned around the stud and abutting the rigid bushings at their exposed ends, a head on one end of the stud adapted to retain an electrical conductor on the stud against one of the insulating washers, and a nut and spring washer on the opposite end of the stud adapted to retain an electrical conductor and to exert compressive force against the plastic bushing through the other of said insulating washers.

2,425,405
ELECTRONIC COMPUTING CIRCUIT
Arthur W. Vance, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1942, Serial No. 456,590
4 Claims. (Cl. 235—61)

1. The combination of a variable gain amplifier having a cathode and a control grid, means for applying to said cathode first and second alternating potentials having different frequencies,

a constant gain amplifier for amplifying the output of said variable gain amplifier, means connected to the output of said constant gain amplifier for segregating the second of said alternating potentials, means providing a unidirectional potential, means including a linear rectifier for providing a control potential proportional to the difference between said segregated and unidirectional potentials, means for applying said control potential to said control grid, and means for deriving from the output of said constant gain amplifier an alternating potential which has the same frequency as that of said first alternating potential and has an amplitude proportional to the product of the amplitudes of said unidirectional and first alternating potentials.



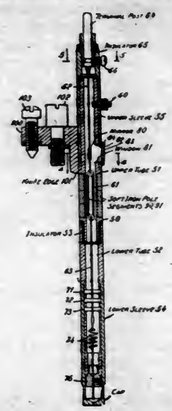
2,425,406
FLY BALL
George Walters, New York, N. Y.
Application February 26, 1944, Serial No. 523,987
1 Claim. (Cl. 46—86)



A fly ball, comprising a leather casing having top and bottom sections with outwardly directed flanges sewed together, a plug adhesively mounted in the top of said top section, a non-resilient filler member mounted within said casing, feathers mounted on and projecting from said plug, said plug and said filler member being hollow, a casing mounted within said hollow filler member, a parachute within said casing, and a curved blade releasibly mounted on and projecting from said casing and connected with said parachute, and tending to turn when travelling through air, and said releasible mounting including pins on the staff of the blade engaging bayonet slots in the top of said casing.

2,425,407
GALVANOMETER
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 9, 1943, Serial No. 513,530
6 Claims. (Cl. 171—95)

1. In a galvanometer, the combination which comprises a magnet, a tubular barrel mounted between the poles of the magnet with its axis transverse to a line connecting the poles, a galvanometer coil mounted within the barrel between the poles and rotatable on the axis of the barrel, a soft iron segment mounted adjacent the coil between the pole pieces and adjustably movable around the axis of the barrel, means projecting outside the galvanometer for so adjusting the segment, and means for adjusting



the zero position of the coil with respect to the barrel.

2,425,408
FRICTIONAL DAMPING MEANS FOR GALVANOMETERS
Albert J. Williams, Jr., Philadelphia, and Olive B. Tatman, Narberth, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 2, 1944, Serial No. 561,622
12 Claims. (Cl. 171—95)

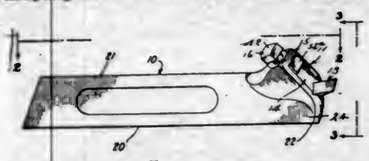


1. The combination with an electrical measuring instrument, of a rotatable element, spaced resilient supporting means therefor, filamentary suspension means connected to each supporting means and to said rotatable element for mounting it for rotation about a common longitudinal axis of said filamentary means, and means including smooth surfaces slidably engaging said suspension means for rapidly damping out undesired vibrations and oscillations thereof in any direction without interfering with rotational movement of said element about its said axis of suspension.

2,425,409
TOOLHOLDER
Harry C. Wilson, Beverly Hills, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application February 21, 1944, Serial No. 523,267
5 Claims. (Cl. 29—96)

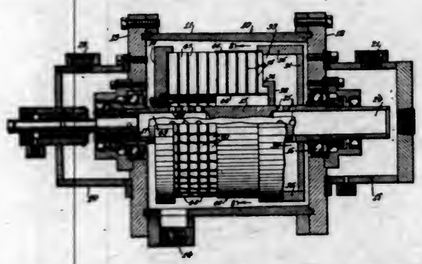
1. A tool holder of the character described including, an elongate shank having a plain bot-

tom adapted to rest on a horizontal support, an elongate head projecting from the forward end of the shank and angularly related thereto to be pitched away from one side of the shank to extend horizontally forward and laterally relative to the shank, the inner end portion of the head being joined to the forward end of the head while the forward end portion of the head is laterally removed horizontally a substantial amount from the plane of said side of the shank, a polygonal tool carrying socket extending through the head



lengthwise thereof and opening at the forward end thereof, an extension on the upper portion of the head angularly related thereto to be pitched away from the shank in the same general direction that the head is pitched therefrom to project diagonally upward and laterally from the head, and clamp means carried by the extension to engage and clamp a tool in the socket including a clamp screw carried by and extending in the direction of the said extension and clamping toward one corner of the socket, the screw having an operating head at the top of the extension.

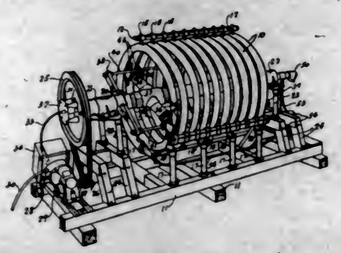
2,425,410
OIL SEPARATOR
Alexander Zeitlin and Leo Robbins, New York, N. Y.
Application February 3, 1945, Serial No. 576,084
4 Claims. (Cl. 183—77)



1. A separator for separating a liquid from a compressed gas, comprising a centrifugal element rotatable about an axis, and means for delivering the gas and liquid mixture to the element axially thereof, said element comprising a plurality of corrugated discs joined to form radial passages open at their outer and inner ends, said discs having axially aligned openings to provide continuous passages therethrough for the gas and liquid mixture in a direction substantially parallel to the axis of rotation.

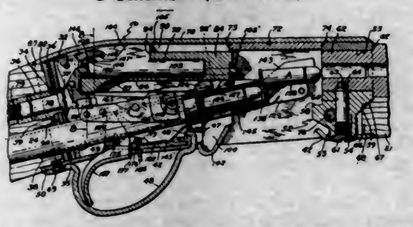
2,425,411
HIGH-FREQUENCY TUNING COIL
Paul D. Zottu, Indian Hills, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application May 2, 1944, Serial No. 533,798
7 Claims. (Cl. 171—242)

1. A variable inductance device comprising a helically coiled conductor, a second conductor extending along the axis of said coiled conductor, slidable means mounted on said second conductor having a pair of arms extending outwardly therefrom, one of said arms completing a connection from said second conductor to said first conductor and the other of said arms being electrically divided by insulating material, each of said arms having at the outer end thereof a plurality of resilient fingers for engaging at opposite sides of said coil adjacent turns thereof, a driving arm



rigidly secured to said second conductor, torque transmitting members extending from said driving arm and into driving relation with the outer portions of said first-named arms for producing rotation thereof without application of torque through said slidable means, and means for rotating said driving arm and said torque members to produce movement of said arms and of said slidable means lengthwise of said coil.

2,425,412
FIRING MECHANISM FOR FIREARMS
Charles H. Barnes, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 13, 1944, Serial No. 540,015
5 Claims. (Cl. 42—3)

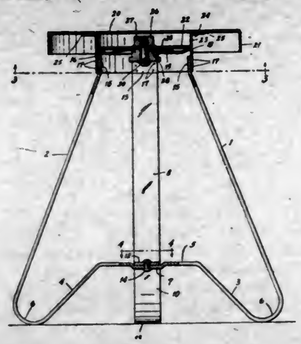


5. In an automatic firearm, a receiver; a breech block reciprocable in said receiver; a firing pin carried by said breech block; fire control means comprising a pivoted sear and sear connector for holding said firing pin in cocked position in said breech block and for releasing said firing pin; fastening means carried by said pivoted sear to pivot said connector thereto; and a spring in said breech block adapted to engage said firing pin to urge said firing pin forwardly in said breech block, said spring being arranged to cooperatively engage said connector to enable said sear to hold said firing pin in cocked position in said breech block.

2,425,413
MILK STOOL
Mike Black, Cincinnati, Ohio, assignor to H. H. Nieberding, Cincinnati, Ohio
Application July 8, 1944, Serial No. 544,063
2 Claims. (Cl. 155—95)

2. A swivel seat stool, comprising: a pedestal of a plurality of standards each composed of a flat metal strip shaped approximately to an A-configuration providing a pair of aligned converging

limbs, and limb connecting cross-bar toward the lower ends of the limbs, and the standards relatively angularly disposed with their cross-bar portions intersecting and fixed together, a cap connecting the upper terminals of the standards and providing a seat supporting head for the



pedestal and a seat having a hub extending centrally from its underside in bearing contact upon the pedestal cap and in swivel connection therewith, the face sides of said hub and cap in relative annular bearing contact by a circumferential ridge extending from the face side of one thereof.

2,425,414
REGENERATION OF SPENT CAUSTIC SOLUTIONS FOR TREATING GASOLINE
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application August 26, 1944, Serial No. 551,453
3 Claims. (Cl. 23—184)

1. The method of regenerating used aqueous alkali solution from the removal of acidic sulfur compounds from hydrocarbon fluids comprising contacting said solution in the presence of an organic oxidizable catalyst comprising a phenolic substance capable of promoting oxidation of said acidic sulfur compounds with a mixture of substantially pure oxygen and vapor of a hydrocarbon which is normally liquid and does not boil at regeneration temperature and pressure and which is water-immiscible and inert under regeneration conditions; the amount of oxygen in the mixture being just sufficient to oxidize a sufficient amount of said sulfur compounds to enable said solution to extract further amounts of said sulfur compounds, but insufficient to irreversibly oxidize said catalyst.

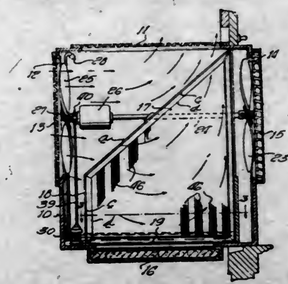
2,425,415
ACIDIZING EARTH BORES
Donald C. Bond, Northbrook, and George W. Ayers, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 5, 1945, Serial No. 633,048
7 Claims. (Cl. 252—8.55)

1. The method of treating a siliceous earth formation containing substances of the class consisting of calcium and magnesium compounds in order to render said formation more permeable to fluids comprising, injecting in said formation aqueous fluoboric acid solution containing a small amount of free boric acid, said free boric acid being present in amount sufficient to induce solution of calcium and magnesium compounds, and subsequently injecting into said formation aqueous fluoboric acid solution containing a small excess of free hydrofluoric acid, said free hydrofluoric acid being present in amount sufficient to enhance the action of the fluoboric acid on siliceous materials in the earth formation.

2,425,416
PREPARATION OF ISOPARAFFINS
Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 3, 1945, Serial No. 620,186
10 Claims. (Cl. 260—676)

1. The method of preparing isoparaffin which comprises contacting ethylene with anhydrous zirconium tetrachloride at a temperature of approximately 250–570° F. in the presence of hydrogen chloride, the volume ratio of hydrogen chloride to ethylene being between 0.15 and 0.5.

2,425,417
DRY AIR COOLER
Jack J. Booth, Dallas, Tex.
Application June 17, 1946, Serial No. 677,153
6 Claims. (Cl. 62—139)

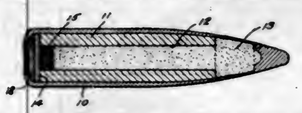


1. An air cooling apparatus including a cabinet having front, top and bottom openings and a controlled rear opening, a heat exchanger in said cabinet comprising an assembly of parallel chambers, every other chamber in said assembly being open, along its top and front to define an intermediate chamber open at its bottom and rear, said chambers forming respectively water and air chambers, the water chambers being numerically one less than the air chambers; means for cascading water into said water chambers to continuously moisten the walls thereof, means including the walls of said water chambers for constraining air to pass through the front opening of said cabinet across the walls of said chambers and outwardly through the top of said cabinet, means including the walls of said air chambers for causing air to pass through the bottom of said cabinet, through said air chambers and outwardly through the rear of said cabinet, and means for directing the water collected in the water chambers to the cascading means.

2,425,418
AMMUNITION
Philip H. Burdett, Bridgeport, and Joseph H. Hodgson, Westport, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application April 18, 1942, Serial No. 439,522
2 Claims. (Cl. 102—56)

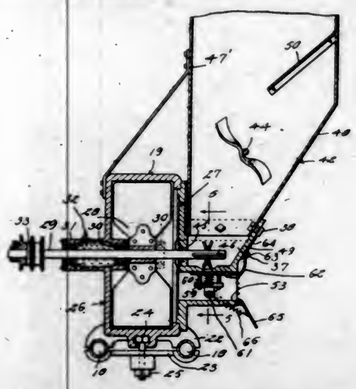
2. A projectile comprising a jacket, a hollow core, a combustible composition within said core,

a gas check comprising a body of coalesced inert granular material superposed on said charge and



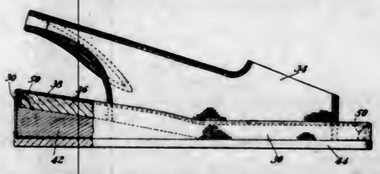
terminating flush with the end of said core, and a heel closure comprising a steel disk and a superposed disk of softer material.

2,425,419
BLAST DUSTER
Albert Roscoe Carnes, Chilton, Tex.
Application June 4, 1942, Serial No. 445,769
2 Claims. (Cl. 222—193)



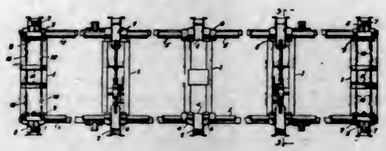
1. A device of the class described comprising a blower, said blower having a casing provided with a hopper portion extending outwardly from one side wall, said hopper portion having a discharge opening in its bottom, said blower having a shaft journaled to said wall and extending into the hopper portion, agitating means on said shaft and disposed in said hopper portion, a conduit integral with the blower casing disposed below said hopper portion bottom and into which said opening leads, said conduit at one end communicating with the atmosphere and at the other end communicating with the interior of the blower casing, and valve means in the conduit for said opening.

2,425,420
SHOE AND METHOD OF MAKING THE SAME
James D. Chandler, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 25, 1945, Serial No. 612,598
43 Claims. (Cl. 36—19.5)



33. In a shoe, the combination of an upper, a platform sole, a sock lining covering the inner surface and edge face of the platform sole, a wrapper strip, stitches securing the wrapper strip and upper to the platform sole and sock lining, the margins of the upper and wrapper strip overlying the portion of the sock lining which covers the edge face of the platform sole, said stitches passing substantially through the corner at the inner edge of the platform sole and extending diagonally through the sole, the wrapper strip being turned over upon itself along the line of stitches and extending downwardly opposite the edge face of the platform sole and inwardly beneath its bottom surface, thereby covering said stitches, and an outsole attached to the inturned portion of the wrapper strip.

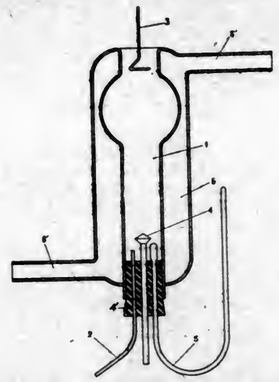
2,425,421
AUTOMATIC GRAB
Arthur T. Deily, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 4, 1944, Serial No. 561,949
3 Claims. (Cl. 294—67)



1. In a lifting device, in combination, a frame, depending side arms pivotally mounted on said frame, means cooperating with said arms to normally and yieldingly force said arms out of lifting position, means for suspending the lifting device from the mechanism for lowering and raising said device, said suspension means being linked to said arms to normally force the arms into lifting position during suspension, a ratchet mechanism, means cooperating with said ratchet to periodically prevent movement of said arms into lifting position and a link connecting the said ratchet mechanism and said suspension means and operable by the suspension operation to cause timed movement of the ratchet mechanism with respect thereto.

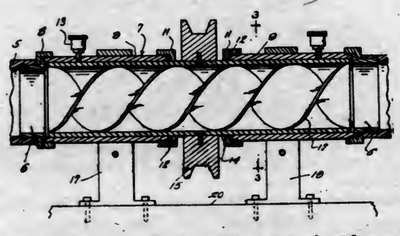
2,425,422
ELECTRICAL APPARATUS FOR DISINFECTING CASINGS (INTESTINES), ESPECIALLY CATGUT
Laura Arnanz, Viuda de Tallada, Barcelona, Spain
Application June 30, 1943, Serial No. 492,922
In Spain September 5, 1942
2 Claims. (Cl. 99—253)

1. An electrical apparatus for sterilizing intestines especially catgut, comprising in combination, a receptacle made of a poor conductor of electric currents, such as glass, adapted to contain the intestines to be sterilized, and having an electrolyte therein of sufficient quantity to submerge the intestines contained in the receptacle, the receptacle being in the form of an open-ended tubular member, a removable bottom member for the tubular member made of a poor conductor of electric currents, such as rubber, means comprising electrodes arranged to extend into the receptacle and the electrolyte therein for passing the electric current through the electrolyte, a support within the receptacle for the intestines, the support and the lower electrode being carried by and removable with the bottom member, and a jacket carried by and surrounding the receptacle and having inlet and outlet apertures, respectively, for enabling a cooling



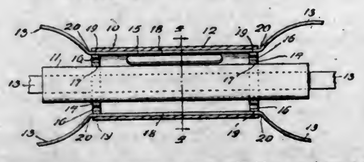
fluid to circulate through the jacket for cooling the electrolyte.

2,425,423
PUMP
Donald D. Donaldson, Marshfield, Oreg.
Application November 17, 1943, Serial No. 510,678
1 Claim. (Cl. 103—91)



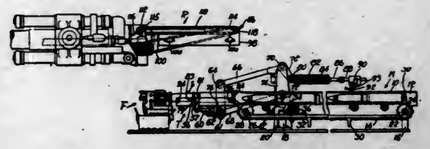
A conduit pump comprising a pair of conduit ends, a pump structure interposed between the conduit ends, said pump structure consisting of a rotary tube of uniform diameter from end to end thereof provided with a screw therein extending from end to end of the same, packing means at each end of the tube and drive means at the intermediate central portion of the tube, said conduit ends being secured to the packing means and a pair of stationarily mounted sleeves upon opposite sides of the drive means in which the ends of said tubes are journaled, said packing means being secured to said sleeves.

2,425,424
ELECTROLYTIC WATER PURIFIER
Theodore C. Jones, Louisville, Ky.
Application October 12, 1945, Serial No. 621,911
6 Claims. (Cl. 204—248)



1. A self-energizing, electrolytic water correction device comprising a tubular metal casing member constituting a positive electrode, end members secured to the ends of said tubular casing member, resilient strips extending longitudinally through said tubular casing member and secured between said end members and said casing member, and a negative electrode galvanically cooperable with said tubular casing member, said negative electrode extending longitudinally through said tubular casing member and being supported by said end members, the ends of said resilient strips projecting beyond said end members and constituting resilient supporting fingers for said device, at least one of the aforesaid members being apertured to admit water into said tubular casing member.

2,425,425
GUN-LOADING MECHANISM
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application June 18, 1943, Serial No. 491,353. Divided and this application December 23, 1944, Serial No. 569,540
18 Claims. (Cl. 89—45)



1. In combination, a gun, transfer mechanism for carrying a shell into ramming position relatively to the gun, said transfer mechanism comprising a shell-supporting tray, means supporting said tray for movement from a shell-receiving position into ramming position, means mounting said tray on said supporting means for movement relatively thereto into alinement with the barrel of the gun, means for ramming the shell into the gun, a support for said ramming means carried by the gun, means carried by said support cooperating with said tray for positioning the tray when moved to ramming position in accordance with the position of the gun, and means associated with said last-named means for guiding the empty shell case as it is ejected from the gun.

2,425,426
POLYHALOGENO ALIPHATIC NITRILES
Robert M. Joyce, Jr., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1943, Serial No. 514,820
5 Claims. (Cl. 260—464)

1. Omega-polyhalogeno aliphatic compounds of the general formula

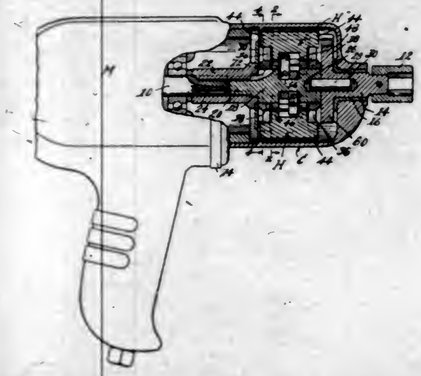
$$X_3C_4H_{(t-3)}—(CH_2)_m—CN$$

in which the terminal valencies X are satisfied by halogen, t is a member of the group consisting of the integers 7 and 9, and m is an integer less than 12.

2,425,427
IMPACT WRENCH
Clifford E. Fitch, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application December 26, 1944, Serial No. 569,671
10 Claims. (Cl. 192—30.5)

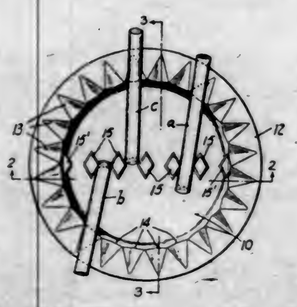
1. In a tool of the character disclosed, relatively rotatable driving, anvil and hammer members

and means for driving said hammer member from said driving member comprising a floating cage between said driving member and said anvil member, said hammer member being guided for substantially radial movement relative to said floating cage, a U-shaped link having its ends connected with said hammer member and its central cross-bar portion extending around said driving member on the opposite side from said hammer member, said driving member having a depression adapted to receive said link and permit said hammer member to move outwardly from the center of rotation by centrifugal force,



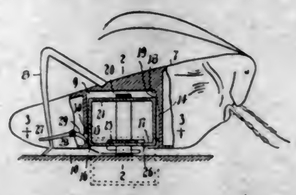
whereupon its continued rotation results in the hammer member striking the anvil member to deliver an impact blow thereto and the hammer member being stopped in its rotation by the anvil member, said depression upon further rotation of said driving member pushing the cross-bar portion of said link away from the center and thereby pulling the hammer member toward the center and out of engagement with said anvil member to permit the hammer member to then rotate with the driving member and, after passing the anvil member, move outwardly again by centrifugal force to strike another impact blow.

2,425,428
ASHTRAY
Fredrick Graffenberger, Milwaukee, Wis.
Application July 14, 1944, Serial No. 544,905
1 Claim. (Cl. 131—240)



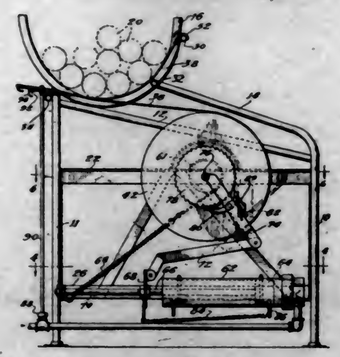
An ash tray comprising a bowl having a circular series of grooves formed in the rim thereof, each of said grooves being adapted to receive and cradle an end portion of a cigar or cigarette lodged thereon, and a row of upstanding substantially diamond shaped lugs extending diametrically across the bottom of said bowl, the side corners of successive lugs being spaced apart to form recesses adapted to receive and cradle the opposite end portion of the cigar or cigarette in any of the various angular positions the latter may assume relative to the row of lugs.

2,425,429
FIGURE TOY
Louis E. Hansen, Toronto, Ontario, Canada
Application November 23, 1945, Serial No. 630,180
12 Claims. (Cl. 46—145)



2. In a figure toy, a body adapted to rest upon a supporting surface, a plunger slidably contained therein for downward movement into contact with the supporting surface aforesaid, resilient means for achieving such movement of the plunger, a detent for constraining the plunger against the effort of the resilient means, and a trip device for releasing the plunger from the detent.

2,425,430
BUNDLING MACHINE
Nathan C. Heaton and Stephen A. Sarnecki, Chicago, Ill., assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application September 16, 1943, Serial No. 502,624
10 Claims. (Cl. 100—31)



1. In a bundling machine the combination of a bundle-receiving basket, crossed flexible bundle-compressing members adapted to lie along the lower outline of the basket, means for securing the bundle-engaging ends of said members together after passing around opposite sides of a bundle resting in said basket, means for applying sufficient initial tension to one of said members to take up slack independently of the size of said bundle, and power-operated means for applying uniform bundling tension to said one of said members.

2,425,431
MANUFACTURE OF CHOCOLATE ARTICLES
Benjamin M. Le Vangie, Randolph, Mass., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application November 12, 1943, Serial No. 510,002
7 Claims. (Cl. 99—23)

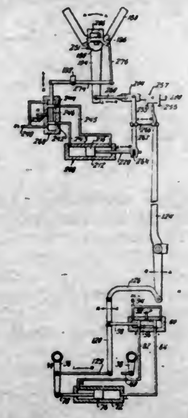


1. The method of making chocolate articles having a plurality of superposed distinct layers of chocolate united integrally over substantially their entire areas which comprises tempering the melted chocolate for the layers, depositing the tempered chocolate for a supporting layer in a mold, partially cooling the chocolate in the mold until 10–40% of its fat content is crystallized to form a substantially non-fluid mass capable of supporting a superposed layer substantially without mixing of the layers, then depositing a superposed layer of tempered chocolate on the supporting layer in the mold, and then cooling the mass to cause crystallization and solidification throughout both layers with the fat crystals of the layers forming a continuous crystalline structure whereby the layers are integrally united.

2,425,432
CHLORO CYANOBUTANES
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation
No Drawing. Application May 7, 1943,
Serial No. 486,113
3 Claims. (Cl. 260—464)

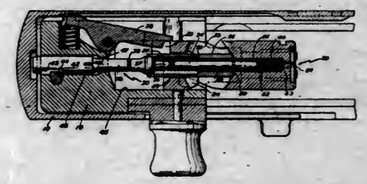
1. The 2-chloro 2-cyanobutanes containing an additional chlorine radical in one of the positions adjacent to the 2-position.

2,425,433
CONTROL MECHANISM FOR GUN TRAINING APPARATUS
Lambert S. Linderoth, Jr., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 14, 1943, Serial No. 472,387
8 Claims. (Cl. 89—41)



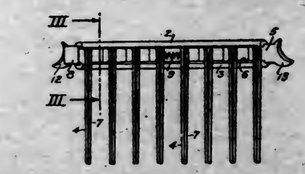
1. Control mechanism for power-operated gun-training apparatus having a gun to be trained, a motor for training the gun and control means therefor including a member movable from a neutral position to determine the direction, speed and extent of movement of the gun by the motor, said mechanism comprising a manually shiftable member, movable at will by the operator, for selectively displacing the movable member from its neutral position to cause said motor to impart a corresponding training movement to the gun, and power-operated means under the control of said shiftable member for continuing the movement of said control member to cause the motor to continue the training movement of the gun at a rate dependent upon the extent of the initial movement of said shiftable member by the operator.

2,425,434
FIRING PIN SUPPORTING MEANS FOR FIREARMS
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 14, 1943, Serial No. 514,195
3 Claims. (Cl. 89—132)



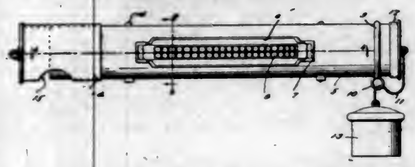
2. In a firearm breech closing means comprising a breech bolt having an aperture, and a carrier for said breech bolt; a two part firing pin comprising a fore pin and an aft pin; and means for supporting said firing pin in said breech closing means comprising a sleeve member received in said bolt aperture in surrounding relation to said fore pin and arranged for limited axial and transverse movement relative to said bolt and to said fore pin to support the fore pin substantially in axial alignment with said aft pin without capacity for transmitting bending stresses between said pins.

2,425,435
CLAMP COMB
James E. McArthur, San Francisco, Calif.
Application July 21, 1945, Serial No. 606,303
4 Claims. (Cl. 132—23)



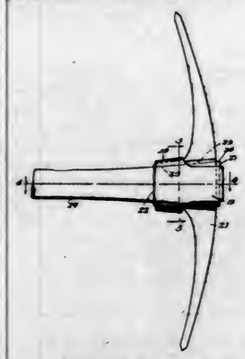
4. A clamp comb comprising a grid having overhanging longitudinal edges with interspaced lateral openings through said grid; stationary teeth integral with said grid adjacent the ends of the openings in said grid and having their edges in offset relation to and parallel with the plane of said grid; a plate longitudinally slidable within the overhanging edges of said grid and projecting beyond one end of said grid and having thereon offset teeth projecting through said openings in the grid and aligning with said stationary teeth on the grid; and a spring interposed in said plate between a tooth on the grid and a tooth on the plate and normally urging the teeth on the plate against the teeth on the grid.

2,425,436
MUSICAL INSTRUMENT
Patrick McAuliffe, New York, N. Y.
Application September 25, 1943, Serial No. 503,803
12 Claims. (Cl. 84—378)



1. A musical instrument comprising a tube open at each end and having a longitudinal slot in one side, a harmonica positioned in the slot with its mouth engaging edge outwardly of the tube, means carried by the tube for constricting the slot into clamping engagement with the sides of the harmonica and means for selectively closing both ends of the tube.

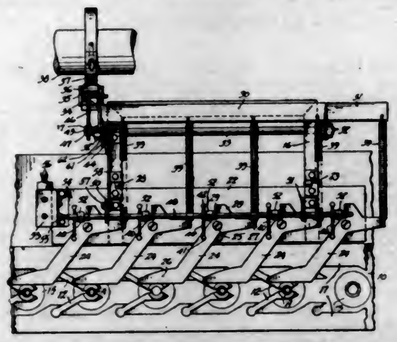
2,425,437
HANDLE LOCK FOR TOOLS
Ernest C. Neal, Chicago, Ill.
Application January 31, 1944, Serial No. 520,401
4 Claims. (Cl. 306—37)



1. A tool head clip for securing a handle, having a shank providing a grasping end and a head mounting end, to a striking tool head, having an opening therethrough for receiving said mounting end, whereby to form a tool assembly having a clip mounting portion at the mounting end of said shank, said clip comprising resilient means forming a collar adapted to contractingly embrace said clip mounting portion, said collar having a lateral opening therein and being expansible to permit said clip mounting portion to enter the collar through said lateral opening in mounting the clip on said mounting portion, and an offset holding lug on said collar in position to overlie the shaft remote side of the tool head and the end of the handle exposed at said remote side.

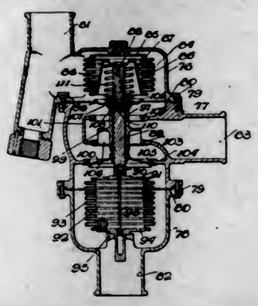
2,425,438
MACHINE STOP
Wilbert O. O'Neal, Lees Summit, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 15, 1944, Serial No. 540,411
11 Claims. (Cl. 192—125)

1. In a stop mechanism for detecting the absence of any one of a plurality of articles carried in predetermined spaced relation in article transfer means, a support adjacent the transfer means, a plurality of movably mounted detector members on the support in spaced relation matching that of the articles, each of said detector members being adapted to have projecting movement into contact with the article opposed thereto and to have a further projecting movement in the absence of such an article, intermittently oper-



ating actuating means, individual connections from said actuating means to each of the detector members to simultaneously impart projecting movement to all of the detector members, means to simultaneously retract all of the detector members, and stop means arranged to be actuated by said further movement of any one of the detector members.

2,425,439
TEMPERATURE REGULATOR
Louis M. Puster, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application October 21, 1942, Serial No. 462,845
11 Claims. (Cl. 236—34)

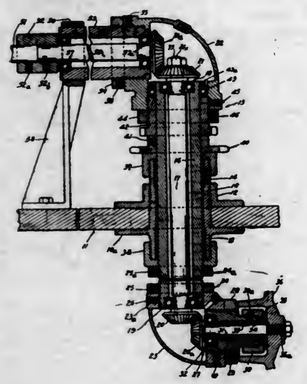


1. A temperature regulator of the type employing thermostatically controlled valve mechanism for predetermining the flow of medium through either or both of a main line and a by-pass and in combination with a thermostat subjected to the temperature of said medium and including an expansible and collapsible chamber having a movable end wall responsive to variations in the pressure acting exteriorly on said thermostat, means providing main and by-pass ports, a pressure responsive member operatively connected to said thermostat in opposing relation thereto, said thermostat and said pressure responsive member being respectively disposed on opposite sides with respect to one of said ports so that when said port is closed one of said thermostat and said pressure responsive member is shielded from the pressure acting on the other, said pressure responsive chamber including a partially evacuated, gas-charged, expansible and collapsible chamber having a movable end wall provided with an effective area which is equal to the effective area of the movable end wall of said thermostat, and main and by-pass valve mechanism operatively connected to the movable end walls of said thermostat and pressure responsive member and including a valve member cooperating with said port separating said thermostat and said pressure responsive member and having an effective area equal to that of the movable end walls of said thermostat and said pressure responsive member.

2,425,440
PROCESS FOR SEPARATING PYRROLE AND PYRIDINE BASES
George Riethof, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 15, 1945, Serial No. 599,768
1 Claim. (Cl. 202—42)

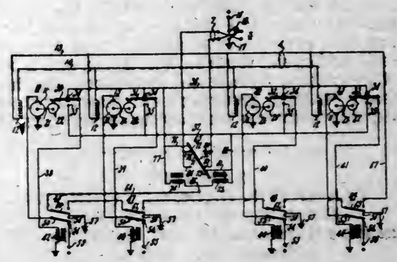
The process of purifying pyrrole from pyridine bases, comprising adding phenol in amount at least effective to form a maximum azeotrope with all pyridine bases present, and fractionally distilling the mass.

2,425,441
MECHANICALLY DRIVEN BOAT
Leo L. Riley, Redondo Beach, Calif.
Application September 28, 1944, Serial No. 556,224
6 Claims. (Cl. 115—35)



6. A demountable propeller assembly for boats comprising a tubular structure insertable upwardly through an opening therefor in the bottom of a boat, said tubular structure including within it a longitudinally extending turnable tube, propelling means carried by the lower end portion of said tube, driving means for said propelling means extending through said tube, a wheel secured to and surrounding the said tube to cooperate with a power transmitting steering connection, a packing gland structure surrounding said tube to prevent leakage therearound through the bottom of the boat, said gland structure including an apertured packing nut surrounding said tube in an overlying relation to the packing, and a bearing structure for the tube, said bearing structure including a supporting collar surrounding said tube and spaced sufficiently above said packing nut to provide between it and the latter a vertical space wherein said wheel has a working fit.

2,425,442
ANTIDISPARITY MOTOR CONTROL SYSTEM
William R. Schall, Jr., and Lloyd H. Van Dermark, Piqua, Ohio, assignors, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application July 17, 1944, Serial No. 545,330
16 Claims. (Cl. 172—293)

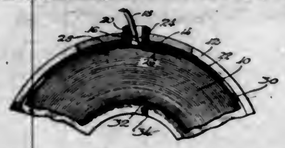


16. A control system for driving a plurality of members in alignment comprising, in combination, a plurality of direct current shunt wound motors each having one armature terminal electrically connected to one terminal of a source of direct current, the field windings of said motors being electrically connected across the source of current; means mechanically connecting each motor to move one of said members; a plurality of relay means each operatively associated with one of said motors, each relay means including a normally deenergized operating coil, a first switch arm normally electrically connecting the other terminal of the associated motor to the other terminal of the source of current and a second switch arm open when said coil is deenergized; a cam operated switch operable by each motor, each cam operated switch including a switch arm connected to the other terminal of one of said coils, a pair of contacts and cam means operable by each motor and each associated with one of said arms to alternately engage the same with the contacts of the pair associated therewith; a relay; and circuit means connecting said second switch arms in series with each other and with said relay and the source of current; said relay including switch means operably connecting opposite sets of said cam operated switch contacts to opposite terminals of said source of current and coil means operable upon closure of all of said second switch arms to operate said switch means to reverse the polarity of said sets of contacts.

2,425,443
COIL CONSTRUCTION
Edgar M. Soreng, Skokie, Ill., assignor to Soreng Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application December 27, 1943, Serial No. 515,673
4 Claims. (Cl. 175—21)

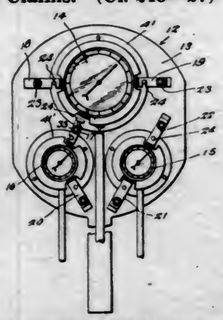
1. A coil construction for electrical apparatus of the class described, comprising in combination a coil formed of many turns of insulated wire, said wire having exposed ends, a sheet of flexible insulating material separating one of said ends from said turns, a lead wire attached to said last-named end, an insulating strip of flexible ma-

terial overlying said connection, a metal eyelet attached to said strip and surrounding said lead wire, a ring of insulating material clamped between one end of said eyelet and the insulating strip to which said eyelet is attached, said lead wire passing through said eyelet and having insulation terminating therein whereby said eyelet



protects an end of said insulation, a metal housing enclosing said coil and having an opening receiving said eyelet and ring, said ring serving to insulate said eyelet from said housing, and a binding of insulating tape between said coil and housing, said binding securing said sheet and strip to said coil to form a unitary assembly thereof.

2,425,444
CLAMP FOR GAUGE HOUSINGS
Ralph Stover, Oelwein, Iowa
Application November 25, 1944, Serial No. 565,131
2 Claims. (Cl. 248—27)



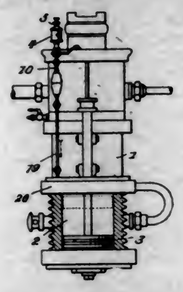
1. On an instrument board, means for fixing instruments on said board, said means including a series of bolts fixed to said instrument board, certain of said bolts projecting through apertured casing flanges of said instruments, clamp members pivotally seated on certain other of the first bolts to secure said instruments to the board.

2,425,445
METHOD OF MAKING SHOES
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 28, 1945, Serial No. 602,041
20 Claims. (Cl. 12—142)



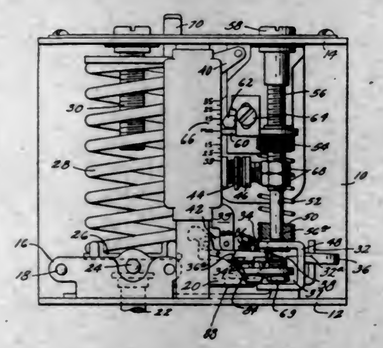
1. That improvement in methods of making shoes which consists in providing a prewelt upper in which the welt projects a substantial distance beyond the lower edge of the upper, securing the projecting portion of the welt off a last to the marginal portion of a thin flexible sole member which is smaller than a last bottom by approximately the amount that the welt projects beyond the upper, inserting a last into the upper, and attaching a sole to the welt.

2,425,446
VALVE FOR LUBRICATION
Francisco Averhoff Terry, Habana, Cuba
Application August 26, 1944, Serial No. 551,342
7 Claims. (Cl. 230—206)



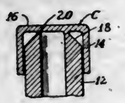
1. An air compressor, a lubricating control valve for use with such air compressors or the like, said valve including a channel-form receiver open to an oil supply, and a member to direct said supply to the compressor, and compressor operated means to open the receiver to the oil supply and simultaneously close the member against the compressor under a suction stroke of the compressor, said means closing the channel-form receiver against the oil supply and opening the receiver to the member and the member to the compressor on a pressure stroke of the compressor.

2,425,447
CONTROL STRUCTURE
Leland B. Wagner, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application June 29, 1943, Serial No. 492,677
2 Claims. (Cl. 200—83)



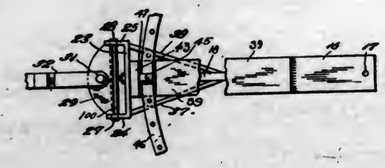
1. In a control structure, an actuating lever having a range of movement, a spring, an adjustable anchorage for one end of said spring, a yoke carried by the other end of said spring, a portion of said actuating lever being positioned in said yoke and of less thickness than the distance between its sides, a pair of limit stops for said yoke in opposite directions, said anchorage being adjustable to cause said spring to either pull said yoke against one of said stops whereby said actuating lever may engage one side of the yoke and move it away from said stop, or push said yoke against the other of said stops whereby said actuating lever may engage the other side of said yoke and move it away from said last stop.

2,425,448
WELDED BULB AND CAP
Millard F. Welda, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application May 16, 1944, Serial No. 535,893
2 Claims. (Cl. 220—3)



1. In a welded bulb and cap structure, a bulb having a neck provided with an exteriorly chamfered edge presenting a relatively narrow tubular end, and a cup-shaped cap having a side wall loosely fitting around the outside of said neck and a top wall engaging said narrow tubular end and welded thereto to form said bulb and cap into an integral structure with the weld enclosed within said side wall of said cap, the interior surface of said cap being substantially straight axially of the cap.

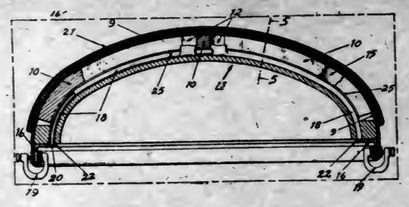
2,425,449
TRACTOR HITCH
Kelly Wilson, Lookout, Okla.
Application April 11, 1945, Serial No. 587,753
3 Claims. (Cl. 280—33.44)



1. A hitch comprising a pair of parallel, horizontally disposed members, vertical connecting plates therefor, an inclined connection between said members, all integrally formed, a bearing member having a pivot bearing in an opening in one of the plates, a rod connected to the pivot, a collar fixed on the rod, a collar loose on the rod and fixed to one of said plates, a coil spring on the rod between said collars and fixedly connected to each thereof, said rod projecting through an opening in the other plate, and having a nut screwed thereon, a hitch plate pivotally mounted on said bearing member, and braces connecting said bearing member and said rod.

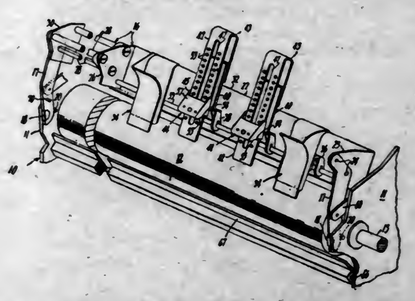
2,425,450
FLUID-PRESSURE APPARATUS FOR FABRICATING LAMINATED ASSEMBLIES
John Young, Hagerstown, Md., assignor to Duramold Aircraft Corporation, New York, N. Y., a corporation of Delaware
Application March 29, 1944, Serial No. 528,604
7 Claims. (Cl. 144—281)

7. A device for fabricating an assembly of molded wood and the like material, comprising, a rigid die having spaced forming surfaces against which structure may be pressed, the space between said surfaces being adapted to contain material to be adhered to structure on the forming surfaces; a pressure fluid responsive member in the space between said surfaces, said member having a movable wall for engaging the material contained therein and to exert pressure directed to and through the material against the structure on the forming surfaces; means for urging said structure against said forming surfaces; and



means for applying fluid under pressure to said member.

2,425,451
FRONT FEED MECHANISM FOR WRITING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application June 11, 1946, Serial No. 675,956
6 Claims. (Cl. 197—127)

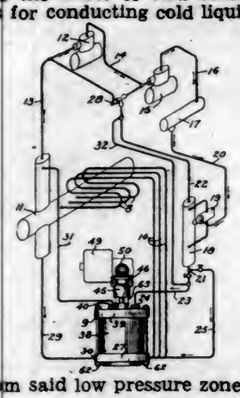


1. In a record preparing machine, a work-sheet guiding means to facilitate movement of a work-sheet to a desired position on the machine, said guiding means comprising guiding surfaces in a common plane, for contacting one face of a work-sheet at two laterally spaced locations, work-sheet gaging means located intermediate the two laterally spaced guiding surfaces and projecting a short distance across said plane from the side of the plane opposite to that from which the guiding surfaces are contacting said work-sheet, and deflecting means to bow the work-sheet over the projecting gaging means while the work-sheet is being moved toward said desired position with the said guiding surfaces active in guiding the work-sheet, said gaging means including a face whereagainst to gage the work-sheet in the desired position after moving it past the gaging means.

2,425,452
DISTRIBUTOR FOR REFRIGERATION SYSTEMS
Ernst S. H. Baars, Milwaukee, Wis., assignor to The Vilter Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 13, 1943, Serial No. 479,029
8 Claims. (Cl. 62—3)

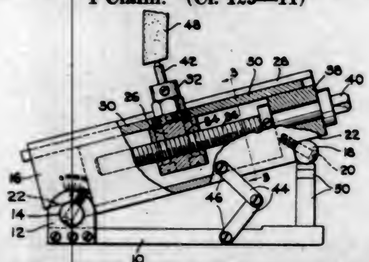
1. In a low temperature closed refrigeration system, several cooling elements having their outlets connected to a low pressure zone, a pair of compressors connected in series for delivering refrigerant from said low pressure zone to a high pressure zone, feed means for periodically delivering liquid refrigerant under the influence of the high pressure in said high pressure zone suc-

cessively to the inlets of said cooling elements, and means for conducting cold liquid refrigerant



directly from said low pressure zone to said feed means.

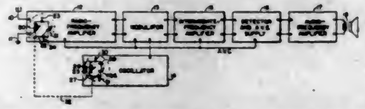
2,425,453
GRINDING WHEEL DRESSING TOOL
Reno R. Bavosi, Milford, Mass.
Application May 7, 1945, Serial No. 592,298
1 Claim. (Cl. 125—11)



A grinding wheel dressing tool comprising a flat base, plug thereon, a frame angularly adjustable relative to the base and resting on the plug at one end thereof, a plug secured to the frame at the other end thereof, the base being capable of supporting gage blocks supporting the frame-secured plug and determining the angle of the frame, said frame including a bottom plate, a pair of side walls thereon, a journal block connecting said side walls at the end of the frame to which the second named plug is secured, a shaft in the block, said shaft extending above the bottom plate between and parallel to the side walls, means to rotate the shaft, spaced channels in the side walls, a plate slidable in said channels, a block fixed to and depending from the plate, said shaft passing through the block and operatively engaged therewith to travel the block and attached plate, a tool holder on the plate in the area of the plate-attached block, said plate slidably guiding the tool and acting as a dust guard, said sliding plate, bottom plate, side walls, shaft and journal block all contributing to increase the rigidity of the frame.

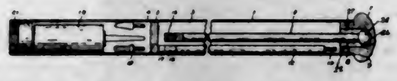
2,425,454
TRACKING TUNABLE SYSTEM
Alfred Bloch, Wembley, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application October 22, 1943, Serial No. 507,284
In Great Britain October 23, 1942
9 Claims. (Cl. 250—40)

1. A tracking tunable system including a plurality of circuits individually tunable over different predetermined operating-frequency ranges comprising, a first tunable circuit including a reactance means of a first type and a reactance means of a second type simultaneously adjustable to have such values as to tune said first circuit over a first predetermined operating-frequency range, a second tunable circuit including a reactance means of said first type and a reactance means of said second type simultaneously adjustable to have such values as to tune said second circuit over a second predetermined operating-frequency range, and unicontrol means for simultaneously tuning said first



and second circuits over their respective operating-frequency ranges, the values of said reactance means of said first and second circuits being so proportioned and their laws of variation being so determined that said first and second circuits have substantially equal and constant ratios of inductance to capacitance over their respective operating-frequency ranges, whereby a predetermined constant relation is maintained between a frequency characteristic of each of said first and second circuits as said first and second circuits are tuned over their respective operating-frequency ranges.

2,425,455
GUN-ROD KIT
Julius Bloch, San Francisco, Calif., assignor to Brooks Manufacturing Corporation, a corporation of California
Application October 5, 1945, Serial No. 620,493
1 Claim. (Cl. 206—16)

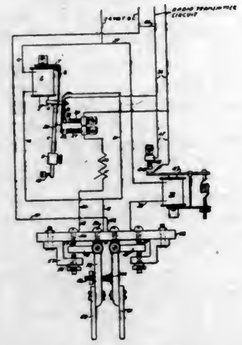


A gun-rod kit of the character described, comprising a tube having a compartment longitudinally formed therein and open at an end thereof, a sectional gun-rod formed of a handle section and of other rod sections, detachable connections between said sections, a handle knob on said handle section, a plug formed on said handle knob and fitting into said open end of said compartment to plug the same when said handle section is inserted into the compartment, all of said sections fitting into said compartment along said handle section, a partition in said tube forming the bottom of said compartment, said partition being spaced from the other end of said tube and forming a second compartment for cleaning accessories for said gun rod, and a closure on said second end of said tube.

2,425,456
REMOVAL OF FILTER CAKE FROM EARTH BORES
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Continuation of application Serial No. 514,967, December 20, 1943. This application July 23, 1945, Serial No. 606,721
6 Claims. (Cl. 252—8.55)

1. The method of removing from the wall of an earth bore filter cake deposited from basic dye, positively charged, colloid, drilling mud composed substantially only of water, basic dye, an anti-gas-cutting agent, bentonite in the amount of approximately 1 to 2% by weight based on the unweighted mud, sufficient barytes to weight the mud to desired specific gravity and a material selected from the group consisting of starch, wheat gluten and acid casein, comprising introducing fluoboric acid of sufficient concentration to attack said filter cake into contact therewith.

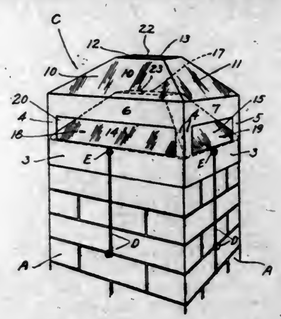
2,425,457
ELECTROMAGNETICALLY OPERATED PENDULUM TYPE TELEGRAPH KEY
Bernard H. Breedlove, San Mateo, Calif.
Application August 6, 1945, Serial No. 609,282
8 Claims. (Cl. 178—82)



1. An impulse actuator comprising a pendulum including an armature, a magnet for pulling the armature to move the pendulum to one side of its swing, a key controlled electric circuit for energizing the magnet, a second circuit for energizing the magnet and including contact points operatively connected to the pendulum and separated to open the circuit when the pendulum is pulled to one side of its swing by the armature and engaged to close the circuit when the pendulum moves to the opposite side of its swing, and a variable resistance in the second circuit.

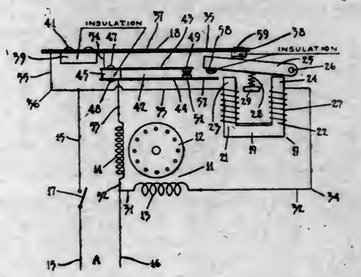
2,425,458
CHIMNEY CAP
Frank B. Charroin, Bellingham, Wash., assignor to Arthur B. Charroin, San Diego, Calif.
Application September 7, 1943, Serial No. 501,484
2 Claims. (Cl. 98—78)

1. A cap for chimney flues comprising four side plates to fit over and extend above the upper end of the chimney flue, the upper ends of the side plates being inclined toward each other forming baffles and defining a central outlet, floor plates within the cap rising to an inward angle of approximately 45° from the side plates at the junction of such side plates and chimney flue, the floor plates terminating at the upper end to define an opening in line with but of slightly less dimensions than the flue, each floor plate being in spaced parallelism with an inclined upper end of a side plate, each side plate being formed with an opening the same distance below each baffle of nearly the full width of that side plate and of a vertical dimension approximately one-half only of that of the adjacent floor plate whereby the air currents entering an opening are directed against the adjacent floor plate and caused to flow upwardly between the floor plate and the top of the cap then over the opening formed by the upper ends of the floor plates above the flue and down over an opposite floor plate and out



the opposite opening in the side plate to thereby cause a vacuum pull on the smoke in the flue, the downward flow of air through the cap outlet being directed to increase the vacuum flow to induce a siphon effect on the smoke in the flue.

2,425,459
SINGLE-PHASE MOTOR STARTER CIRCUIT CONTROL
Richard T. Cornelius, Minneapolis, Minn.
Application February 12, 1944, Serial No. 522,066
3 Claims. (Cl. 172—279)



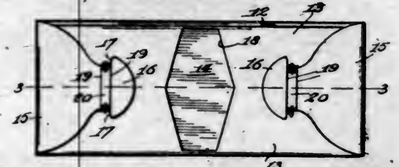
1. An electric motor including a running winding circuit, a running winding in said circuit, a starting winding circuit, a starting winding in said starting winding circuit, a normally closed switch in said starting winding circuit, an electromagnet for operating said switch comprising a core formed with poles, a winding on said core connected in said running winding circuit and continuously energized during energization of said running winding, said electromagnet further including an armature movable toward and from said poles and normally positioned beyond its active position, said armature during movement from its active position to the poles of the core functioning to open the starting circuit switch with a snap action and a thermally responsive member connected in the starting winding circuit and adapted to be heated solely by means of the current flowing through the starting winding circuit, said thermally responsive member, during heating, moving said armature from its inactive position to its active position and initiating actuation of said switch by said armature, said thermally responsive member becoming deenergized upon opening of said switch and remaining deenergized during normal operation of the motor.

2,425,460
OVERALL TYPE GARMENT
Willa H. Davis, New York, N. Y., assignor to Mills B. Lane, Jr., Atlanta, Ga.
Application September 7, 1946, Serial No. 695,425
2 Claims. (Cl. 2—227)



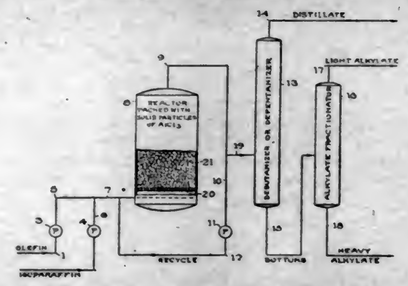
1. A bifurcated overall garment having a waistband which opens at the front, a fly front and a bib, the bib normally covering the fly but being capable of dropping to expose the fly, the bib being of a length to extend to a substantial distance above the waistband, one element of a separable fastener arranged at each side of the opening at the front of the waistband, and a plurality of spaced complemental fastener elements at each side of the bib for selective engagement with the fastener element on the waistband, whereby the upper edge of the bib may be adjusted to different heights.

2,425,461
FLEXIBLE STITCHLESS BILLFOLD
Louis Feld, Los Angeles, Calif.
Application December 6, 1944, Serial No. 566,819
1 Claim. (Cl. 150—36)



A billfold formed from a single substantially rectangular piece of thin flexible material foldable on transversely disposed parallel lines to form four walls, rectangular in shape and substantially identical in size and shape, the second wall from the upper end of the piece of material serving as the outer or back wall of the completed billfold, the wall that is connected to the upper edge of said back wall lying against the inner face of said back wall to combine therewith in forming a secret pocket, one of the free corners of second mentioned wall being cut away on inclined lines so as to enable said corner to be readily engaged by the finger ends and pulled from its position against said back wall and open the secret pocket, the third wall connected to the lower edge of said back wall being provided with a centrally disposed aperture, the length of which is less than the width of said third wall, so that the longitudinal edges of the latter are continuous from end to end, so as to counteract strains tending to distort said wall lengthwise, said third wall being provided with a pair of transverse slits between its ends and said aperture, a fourth imperforate wall having one longitudinal edge connected throughout its length to the edge of said third wall, and lying between said second and third walls and flaps integral with the ends of said back wall, the free ends of which flaps are releasably inserted in the slits of said third wall.

2,425,462
ALKYLATION OF HYDROCARBONS
Leslie U. Franklin, Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1946, Serial No. 657,834
3 Claims. (Cl. 260—683.4)

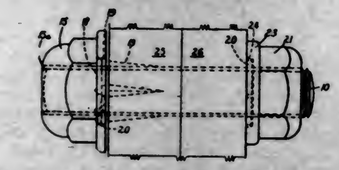


3. The process of alkylating hydrocarbons which comprises passing a mixture of hydrocarbons comprising olefins and isoparaffins through a catalyst bed made up of discrete particles of anhydrous aluminum chloride unmounted on any unreactive carrier, maintaining the content of olefins in the hydrocarbon feed stock within the approximate range of 0.1 per cent to 2.5 per cent, maintaining the flow of hydrocarbons over the catalyst at such a rate that the time of contact of hydrocarbon with catalyst will be not less than one second and not more than ten seconds, and maintaining the temperature of the hydrocarbons within the approximate range of 50° to 75° F.

2,425,463
CATALYTIC CONVERSION OF HYDROCARBONS
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 13, 1944, Serial No. 535,551
2 Claims. (Cl. 196—52)

1. A method of catalytically converting hydrocarbon oil into gasoline hydrocarbons that comprises contacting the hydrocarbon oil at a temperature within the range of about 800–950° F. with a catalyst comprising alumina which has first been subjected to dehydration of such extent that not more than about 7% of firmly bound water remains in the catalyst and then treated with anhydrous silicon tetrafluoride to effect absorption of silicon tetrafluoride by the catalyst in amounts of about 5–15% by weight of the catalyst.

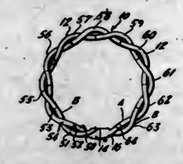
2,425,464
LOCK BOLT
Seth C. George, Los Angeles, Calif.
Application August 9, 1944, Serial No. 548,715
3 Claims. (Cl. 151—2)



3. In combination, a pair of juxtapositioned plates having axially aligned holes therethrough,

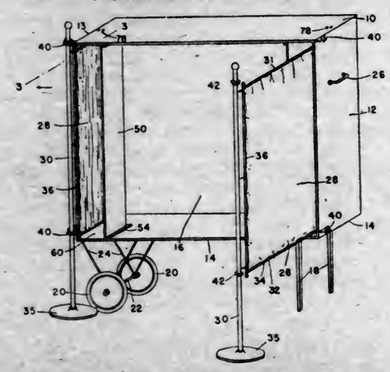
a bolt positioned in the holes, a radially enlarged tightening element disposed on each end of said bolt, at least one of said elements being threadedly mounted thereon, a flat washer disposed between each plate and its adjacent tightening element and having substantially flat, inwardly extending, prong means therein, and a split, lock washer seated within said flat washer with its split end located adjacent an edge of said prong means, the combined thickness of said prong means and lock washer not exceeding that of the encircling flat washer, and the abutting face of each of said tightening elements extending circumferentially beyond the adjacent aperture of the flat washer so as to seal same against passage of moisture.

2,425,465
LINK BRACELET
Joseph Goldblatt, New York, N. Y.
Application April 5, 1946, Serial No. 659,968
6 Claims. (Cl. 59—80)



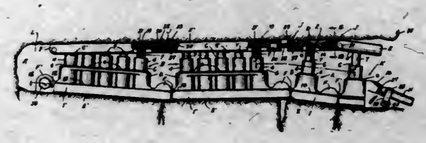
1. An article of manufacture having cooperating fastener elements at the opposite ends thereof comprising a plurality of strands shiftable with respect to each other, each strand comprising a number of end-to-end pivotally connected links, each link being generally S-shaped in plan and of inverted U-shape in elevation, with the end of each link member being in the same vertical and horizontal planes, the article assuming a generally circlet form when the cooperating fastener elements are engaged, and being extendable into substantially straight-line form when the cooperating fastening elements are disengaged.

2,425,466
BED SCREEN
Paul N. Gregory, Nampa, Idaho
Application December 3, 1945, Serial No. 632,508
7 Claims. (Cl. 135—5.1)



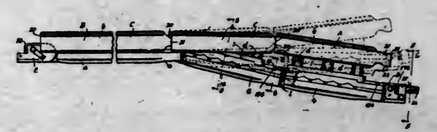
1. A screen assembly comprising a housing adapted to be positioned adjacent one end of an object to be shielded, a standard movable from and toward said housing, a curtain supporting cable extending between said standard and said housing when the former is spaced from the latter, a curtain carried on said cable which serves to shield one side of the object, and means in said housing for retracting said cable when said standard is moved toward said housing.

2,425,467
COAL-MINING MACHINE
Charles Edwin Hair, Benton, Ill.
Application April 1, 1944, Serial No. 529,106
6 Claims. (Cl. 262—12)



1. In a mining-machine, a pair of power-units, each unit including a co-operable cylinder and reciprocatory piston, means joining the cylinders for unit articulation, pressure-pads mounted on and movable with the respective pistons, and means comprising a rigid member having a movable connection with the pads for coupling the pistons for accommodating unit articulation.

2,425,468
COAL-MINING MACHINE
Richard T. Hair and Charles F. Ball, Franklin, Pa., assignors to Richard T. Hair, Charles E. Hair, and Binkley Mining Co. of Indiana, a corporation of Indiana, collectively doing business as Hydrabuster Company
Application April 13, 1944, Serial No. 530,790
12 Claims. (Cl. 262—12)

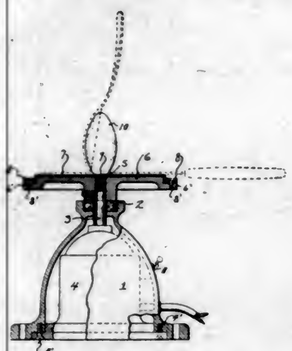


12. A mining machine including a plurality of connected base members each having a series of spaced parallel co-operable cylinders and reciprocatory pistons, and a hood mounted upon and disposed over each of the several series of pistons, each hood being rockably mounted upon the upper ends of such pistons for movement into angular position in a direction longitudinally of the machine and being substantially limited to angular movement in such longitudinal direction, said hoods being endwise engaged for rockable movement with respect to each other.

2,425,469
POLISHING MACHINE FOR TABLEWARE
Emery M. Hanrahan, Kenosha, and William A. Mertins, Racine, Wis.
Application August 16, 1946, Serial No. 691,006
1 Claim. (Cl. 51—181)

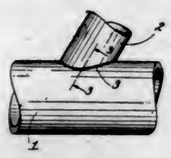
A polishing machine of the character described, comprising a domed open bottom base, an electric motor encased therein having a flange secured to the open bottom of the base, a motor shaft extending through the upper crowned portion of said base, the shaft being provided with

a threaded socket at its ends, a disc secured to the shaft having a step edge, terminating with a flange below the disc face, a polishing cloth fitted to the face of the disc, having its edge stepped downwardly and engaging the disc flange, a ring



fitted to the edge of the cloth disposed below the disc surface, means for securing the ring to said disc flange, and an oval polishing unit having a threaded shank in engagement with the shaft socket.

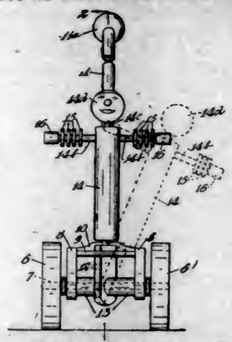
2,425,470
WELDED JOINT
Kenneth V. Hart, Cleveland, Ohio
Application December 15, 1944, Serial No. 568,258
1 Claim. (Cl. 285—111)



A metal structure comprising a tubular metal member, an opposed metal member and a resistance surface weld uniting an end of said tubular member to a side of said opposed member, said weld having a radial thickness at least fifty per cent greater than the wall thickness of the tubular member, the end surface of said tubular member penetrating into said opposed member to between about 15% and about 25% of the wall thickness of the tubular member, said penetration being incident to pressure applied during the welding process the depth of heat penetration in the tubular member, as evidenced by carbon precipitation, being less than the wall thickness of the tubular member.

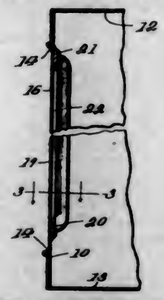
2,425,471
ANIMATED TOY
George F. Helgren, Mound, Minn.
Application August 14, 1944, Serial No. 549,385
5 Claims. (Cl. 46—99)

1. An animated toy comprising, a mounting, a revoluble shaft journaled in said mounting, means for revolving said shaft, an actuated member mounted for oscillation on a vertical axis and for swinging movement from its lower end and having the latter loosely mounted upon said shaft and an actuating element connected with said shaft and revoluble therewith and having a terminal surface, bearing against one of the side surfaces of said actuated member and ex-



tending outside of a plane normal to the axis of said actuated element.

2,425,472
CONTAINER FOR EXPLOSIVES
Jack Edward Hodgson and Eugene Victor Abel, Memphis, Tenn., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 12, 1943, Serial No. 498,386
3 Claims. (Cl. 102—24)

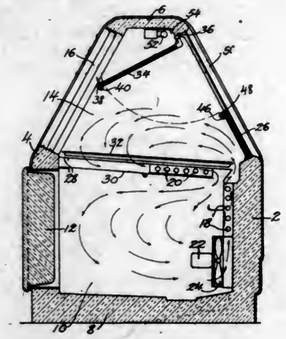


1. An explosive container comprising a body and ends closing the same, said body having longitudinally spaced openings therein, one of said openings being of a length to receive a detonating cap and another opening being shorter, and an internal plate attached and sealed to the body and closing the openings, said plate having an inwardly projecting rib within its area, said rib extending longitudinally of the body and providing with the adjacent parts of the body a tunnel which is closed at its ends and is sealed from the interior of the container and communicates with the exterior through said openings, said openings and tunnel being constructed and arranged to permit a length of fuse cord to be passed through the tunnel from opening to opening with the walls of the openings and tunnel effective to maintain bends in the fuse cord at said openings whereby the fuse cord is held against slipping from position.

2,425,473
REFRIGERATED DISPLAY CASE
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Company, Inc., Trenton, N. J., a corporation of New Jersey
Application July 28, 1945, Serial No. 607,513
4 Claims. (Cl. 62—89.5)

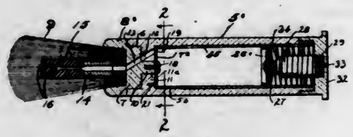
1. A refrigerated display case embodying a refrigerating unit, means forming a display space,

deflector means extending along the front edge of said display space, and a movable access and viewing means pivotally mounted at its upper edge for movement about a horizontal axis to an open and rearwardly inclined position permitting



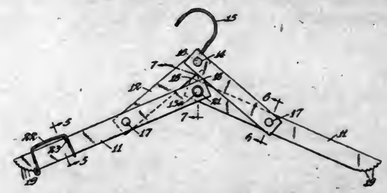
access to said display space, and interengaging fastening elements positioned on the rear wall of said display means and the lower edge of the movable access and viewing means engageable to hold said access and viewing means in an open position.

2,425,474
FOUNTAIN SHAVING BRUSH WITH HAND-FEED VALVE
Vinton A. Hussey, Augusta, Maine
Application December 30, 1943, Serial No. 516,228
1 Claim. (Cl. 15—138)



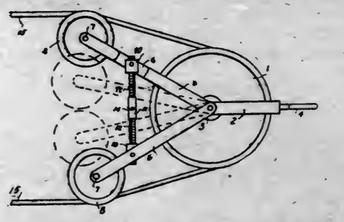
A fountain brush comprising a barrel, a shaving preparation containing cartridge threaded into said barrel from one end thereof, said cartridge having an open front end and a plunger therein for discharging the preparation out of said front end, a diametrical wall in said barrel spaced forwardly of said front end of the cartridge and having a through port therein for feeding the preparation discharged from said cartridge through said wall, said barrel having a front end bore therein, a bristle brush having a head rotatably fitted in said bore and a through port therein for alignment with the first named port by rotation of said head and to pass the preparation from the first named port into the bristles of the brush, and a disc valve rotatably fitted in said barrel between the front end of said cartridge and said wall for controlling the discharge of the preparation from the cartridge into this first named port, said valve having a discharge port in the same for registration with the first named port by rotation of the valve, and means to operatively connect said head to said valve passing through said wall for rotation of the valve by said head.

2,425,475
GARMENT HANGER
Carl A. Isaacson, St. Paul, Minn.
Application December 6, 1943, Serial No. 513,077
10 Claims. (Cl. 223—94)



1. A garment hanger comprising a pair of rigid main arms directly pivoted together adjacent their inner ends, and a pair of rigid supplemental arms pivoted directly to one another at a point directly above the point of pivotal connection of the main arms, said pair of supplemental arms diverging outwardly and downwardly from their point of pivotal connection and being pivotally connected at their lower ends each to the intermediate portion of a different main arm, and means suspending the hanger directly from the pivot between the supplemental arms.

2,425,476
CLOTHESLINE TIGHTENER
Frederick Leonard Lade and William T. Irwin, Vancouver, British Columbia, Canada
Application April 30, 1945, Serial No. 591,214
2 Claims. (Cl. 211—119.15)



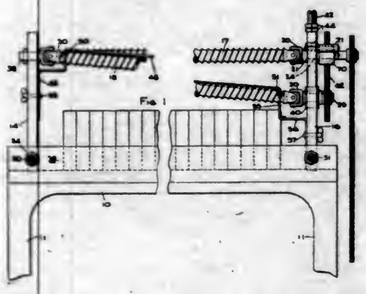
1. A clothes line tightener comprising in combination a clothes line sheave pivotally mounted within a frame, a pair of links pivotally connected to the frame and having idler sheaves adjacent their outer ends, a nut rockingly mounted in each link, and a bolt having a right hand thread at one end and a left hand thread at the other engaging said nuts to spread the idler sheaves.

2,425,477
BRACELET
Karl B. Larson, Minneapolis, Minn., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn., a corporation of Minnesota
Application July 30, 1945, Serial No. 607,826
6 Claims. (Cl. 63—3)



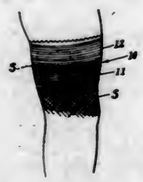
5. A bracelet comprising alternate assembly and connecting links, the end portions of the assembly links being folded thereunder to afford coupling members, and ornaments extending between the assembly links and their coupling members and removably held thereby, and affording closures that prevent removal of the connecting links from the coupling members.

2,425,478
AUTOMATIC DIVERGENT SORTING AND GAUGING SCREW ROLLER
Maxwell Lawton and Philip Rosenberg, Buffalo, N. Y., assignors to Howard Industries, Inc., Buffalo, N. Y.
Application September 6, 1944, Serial No. 552,884
6 Claims. (Cl. 209—107)



1. Sorting apparatus comprising a pair of adjacent screws for supporting objects disposed thereacross with the objects resting in the spaces between threads of the screws, said screws being divergent and one of said screws being at a higher elevation than the other to urge the objects by gravity toward the other screw, means cooperating with the other screw for engaging the objects to limit their gravitational movement and orient a given end of each object into alignment with the others, and means for rotating said screws to move objects therealong in the direction of divergence until individual objects fall clear of the screws assorted as to a length dimension.

2,425,479
GARTER
Edward V. Le Blanc, Arlington, Mass.
Application June 14, 1946, Serial No. 676,664
2 Claims. (Cl. 2—338)



1. An endless garter having an elastic body portion to extend around the limb of the wearer having a lower portion adapted to engage a portion of a garment, and having an upper portion adapted to directly engage the limb of the wearer, said upper portion only embodying adhesive on the inner surface thereof, said lower portion being untreated with adhesive.

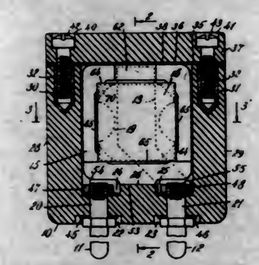
2,425,480
PULL-OVER GARMENT
George K. Manus, Los Angeles, Calif.
Application December 1, 1943, Serial No. 512,671
1 Claim. (Cl. 2—115)

In a pull over garment comprising a collar portion surrounding a neck opening, shoulder portions, inner and outer cross over chest portions and a back portion; a full length front portion formed as an extension of the outer cross over chest portion, a first side panel secured along the whole length of one of its edges to the whole length of one vertical edge of the outer cross over chest portion, a second side panel secured along the whole length of one of its edges to the other vertical edge of said outer cross over chest portion and to the vertical edge of the inner cross over portion, both said side panels being provided with front part arm holes, the top front of the garment being defined by the upper edges of the inner and outer cross over chest portions each of which run diagonally from the front of the neck



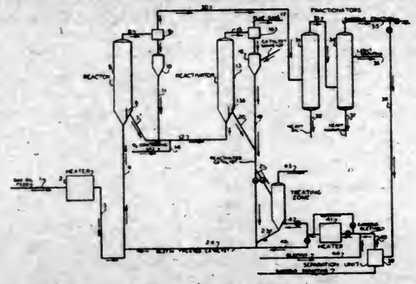
opening at one side downward and across to the vertical seam at the opposite side between the chest portion and side panel and are secured to the garment only at said side seams at about arm pit level leaving the lower edge of the inner cross over portion free from the outer cross over portion across the chest between said vertical seams, the back portion being connected to the free edges of the side panels and back of the shoulder and collar portions.

2,425,481
QUARTZ OSCILLATOR PLATEHOLDER
Louis R. Morse, New York, N. Y., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania
Application September 21, 1943, Serial No. 503,246
14 Claims. (Cl. 171—327)



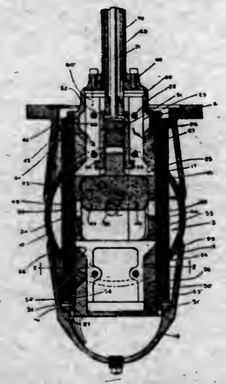
1. In a quartz oscillator plate holder, the improvement comprising a casing, a pair of external socket prongs secured to the casing, a pair of spaced sliding contacts in the casing, each sliding contact connecting with the base of a socket prong, a removable chase in the casing between the sliding contacts, the walls of the chase being provided with a plurality of projecting stops and the projecting stops being spaced in relationship to one another to accommodate a pair of electrodes, a quartz crystal oscillator plate, and a spring conductor and to provide a free space between the walls of the chase and the edges of the electrodes and oscillator plate, whereby contact of the oscillator plate with the chase is limited to the projecting stops.

2,425,482
PRETREATMENT OF REACTIVATED HYDROCARBON CRACKING CATALYST WITH NORMALLY GASEOUS OLEFINS
Charles E. Moser, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 26, 1944, Serial No. 524,016
6 Claims. (Cl. 196—52)



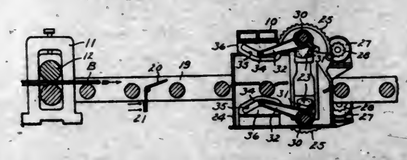
1. In the catalytic cracking of hydrocarbon feed oil higher boiling than gasoline by contact at elevated temperatures with a silica alumina cracking catalyst which is periodically reactivated to remove carbonaceous material by combustion the steps which comprise treating the reactivated catalyst prior to contact with said feed oil by contact with a normally gaseous hydrocarbon consisting essentially of olefins at substantially said elevated temperatures, then resuming said contact with feed oil in the substantial absence of olefins used for treating said catalyst.

2,425,483
PIPE-LINE STOPPER
Frank H. Mueller, Hot Springs National Park, Ark., and John J. Smith, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 25, 1945, Serial No. 590,142
10 Claims. (Cl. 138—94)



1. A pipe line stopper insertable through a side wall opening in a main which has a substantially larger inside diameter than said opening, said stopper comprising an elongated body, a rubber sleeve surrounding said body, means in said body oppositely projectible to substantially conform said sleeve to the opposite inner walls of the main, means for projecting said projectible means, a split ring surrounding said body within said sleeve at one end of said projectible means, and means for expanding said ring to bulge said sleeve peripherally to seal the side wall opening, the stopper including means for establishing a seal between it and the main opposite the opening, whereby the stopper is capable of establishing a complete seal across the main at the opening.

2,425,484
ELECTRICALLY DRIVEN ROTARY SHEAR
Edmund S. Murrah, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application July 19, 1946, Serial No. 684,856
10 Claims. (Cl. 164—68)

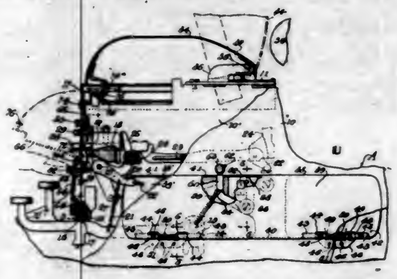


10. Shearing apparatus comprising a rotary flying shear for cutting longitudinally traveling metal bars, a rolling mill arranged to deliver bars to the shear and to control the speed of the bars, an electric motor connected to the shear to drive the same, a main electric generator connected in circuit with the motor and having a field, a regulating exciter connected in circuit with the generator field, the exciter having a control field, a pilot generator having a field, means subjecting the control field to a voltage which is a function of the voltage produced by the main generator and of the voltage produced by the pilot generator, means to drive the pilot generator at a speed bearing a definite ratio to the speed of the rolling mill, means providing two excitation circuits for the pilot generator field, the first of the excitation circuits being such as to establish a cutting speed for the shear in synchronism with the speed of the bars and the second excitation circuit being such as to establish an idling speed for the shear different from the cutting speed, and means operable in timed relation with the rotation of the shear to render the first excitation circuit effective during each cut and to render the second excitation circuit effective for a portion of the cycle between successive cuts.

2,425,485
MASK FOR TYPEWRITER OR LIKE MACHINE
Lewis C. Myers, Freeport, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application June 2, 1944, Serial No. 538,448. Divided and this application March 28, 1945, Serial No. 585,335
2 Claims. (Cl. 197—186)

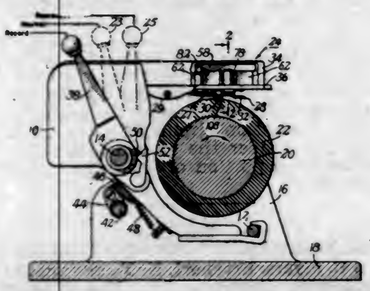
1. In a mask suitable for housing typewriter mechanism, a fixed and hinged panel construction comprising a relatively fixed panel; a first pair of axially aligned spaced sleeves on an edge of said relatively fixed panel and formed integrally with said relatively fixed panel; a relatively movable panel; a second pair of spaced sleeves on an edge of said relatively movable panel, formed integrally with said relatively movable panel and aligned axially with the sleeves of said first pair, both sleeves of one of said pairs being disposed between the sleeves of the other of said pairs; a pair of hinge pins respectively extending through adjacent sleeves of different

pairs of sleeves; reduced diameter stems formed integrally with and projecting from said pins towards each other in the space between the sleeves of said one of said pairs; a coil spring surrounding said stems and having its ends engaging said relatively fixed panel and said relatively movable panel respectively for urging said relatively movable panel from a first to a second predetermined position, in one of which positions



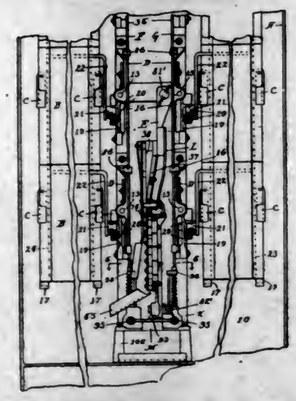
it is substantially aligned with the relatively fixed panel; and a shroud formed integrally on one of said panels and having a portion curved substantially concentrically with said sleeves and rendering said spring and said pin stems invisible from outside said panel construction when said relatively movable panel is in the one of its positions in which it is substantially aligned with the relatively fixed panel.

2,425,486
ELECTRIC PHONOGRAPH
Leland D. Norton, Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application April 19, 1945, Serial No. 589,109
17 Claims. (Cl. 179—100.4)



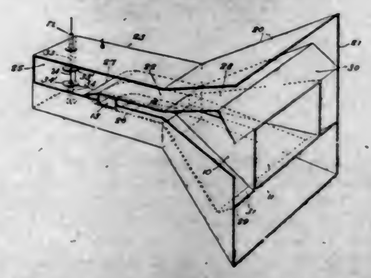
1. For use in sound recording and reproducing systems, an electro-mechanical translating device, comprising, in combination, means forming an E-shaped magnetic circuit having air gaps therein between the pole pieces formed by the free ends of the outer arms of said E and the middle arm of said E, a strip of resilient material supported at its ends perpendicular to said E-shaped magnetic circuit means near the free end of the middle arm thereof, an armature extending from one of said pole pieces to the other and mounted on said strip of resilient material to see-saw on the free end of the middle arm of said E-shaped magnetic circuit means to oppositely vary the lengths of the air gaps between said pole pieces and said middle arm, means providing a magnetic flux in said magnetic circuit means, inductive means surrounding a portion of said magnetic circuit to carry an electric current which is a function of the change in magnetic flux in said magnetic circuit means, and stylus means attached to said armature for coacting with a sound record medium.

2,425,487
DISPENSING APPARATUS
Charles F. Pease, Los Angeles, Calif.
Application January 8, 1945, Serial No. 571,866
4 Claims. (Cl. 312—35)



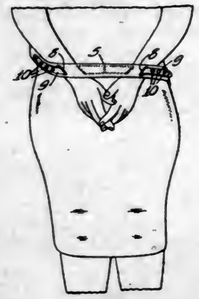
1. In a dispensing machine, a plurality of groups of vertically disposed manually movable actuators, a movable locking plate having a catch normally preventing members of said groups of actuators from functioning, a latch adapted to be actuated by the movement of said locking plate, a lock pawl normally preventing the actuation of said locking plate and movable through the operation of the dispensing machine to release said plate, groups of spring retracted control elements corresponding with the groups of said actuators, a plurality of series of tumblers below and corresponding with the groups of control elements, and means connecting the groups of tumblers to permit only one control element and a corresponding dispensing unit functioning at a single operation of all of the groups of control elements.

2,425,488
HORN ANTENNA
Harold O. Peterson and Gilbert S. Wickizer, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application July 3, 1943, Serial No. 493,366
4 Claims. (Cl. 250—11)



1. A dual frequency horn radiator for ultra high frequency electromagnetic waves, including separate tapered horns each having mouth and throat apertures, said horns being located in coaxial interfitting relationship, means associated with the lower frequency one of said horns for dividing said lower frequency horn into a plurality of separate horns operating in parallel, wave guide structure and energy transducing means coupled to said throat aperture of said low frequency horn, means for dividing said wave guide structure into a pair of parallel guides, one associated with each of the said plurality of separate horns and wave guide structure coupled to the high frequency one of said horns and passing along said dividing means to the exterior of said first mentioned wave guide for coupling transducer equipment to said high frequency horn.

2,425,489
ANESTHESIA AND SURGERY RESTRAINING DEVICE
Ralph Gilbert Peterson, Minneapolis, Minn.
Application October 9, 1944, Serial No. 557,743
7 Claims. (Cl. 128—134)



1. In a restraining device for anesthesia and surgery, a main restraining belt, and a pair of wrist encircling belt sections, each of said sections having an end secured to said main belt, said sections having their other ends passed through said main belt in slidable relation thereto at points adjacent the secured ends of said sections, those portions of said sections extending through said main belt lying substantially flat against said main belt, and separable fasteners detachably connecting said extending portions of said sections to said main belt, and said fasteners being separable in a direction substantially tranversely to said main belt and said extending portions of said sections.

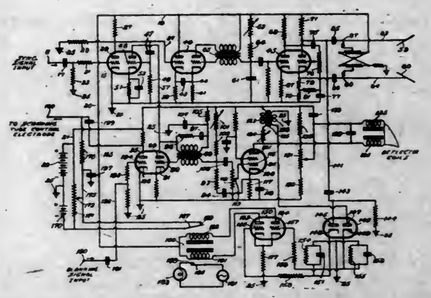
2,425,490
BUSINESS MACHINE
Richard W. Pitman, Laverock-Hillcrest, Pa., assignor to Underwood Corporation, a corporation of Delaware
Original application November 21, 1941, Serial No. 419,889. Divided and this application April 28, 1944, Serial No. 533,220
4 Claims. (Cl. 164—112)

1. The combination of a group of punches less in number than the digits "1" to "9," a carriage for letter-feeding a work sheet relatively to said plurality of punches, said punches being combinatively operable for producing on the work sheet at each letter-feed step of the carriage a codal representation of any digit, said punches being arranged in echelon and in sub-groups, the punches in each sub-group having a letter spacing in the direction of carriage movement, the punches of one sub-group being staggered vertically relatively to the punches of the other sub-



group, and the two-punch sub-groups being spaced in the direction of carriage travel at a fractional multiple of the letter-space distance.

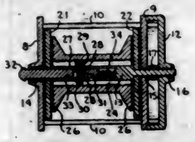
2,425,491
DEFLECTION CIRCUIT
Kurt Schlesinger, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application June 22, 1943, Serial No. 491,759
10 Claims. (Cl. 178—69.5)



1. In a deflection circuit for television apparatus responsive to a signal energy received from a source whereat intermingled energy pulses of different time duration for relatively high frequency line and relatively low frequency field deflection control are developed, a clipper tube means to establish an equal amplitude level for all said received pulses, a pair of oscillators for developing saw-tooth voltage waves of frequencies closely approximating the frequencies of the different energy pulses, signal separator means for separating the high frequency line and the low frequency field energy pulses to develop line and field synchronizing control pulses, said line pulse separating means including a high pass filter and a coupling tube for energizing said filter, and means to control the frequency of the oscillator developing output energy at substantially the line frequency from the output of the high pass filter, said field pulse separating means including a second clipper tube, a time discriminator circuit comprising a high pass filter to couple the first said clipper tube to the said second clipper tube and a low pass filter to connect the current output of the second clipper tube into the field frequency oscillator, and means to control the frequency of said field frequency oscillator, a power

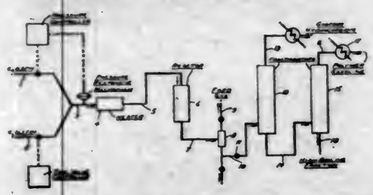
stage connected to be energized from each oscillator to develop substantially undistorted sawtooth wave energy output for controlling the deflection of a cathode ray beam.

2,425,492
FISHING REEL
Oscar S. Severson, Milwaukee, Wis.
Application December 7, 1945, Serial No. 633,363
7 Claims. (Cl. 242—84.1)



1. In a fishing reel, the combination with a spool drive shaft, of a reel spool, means for mounting said reel spool for drive from said shaft and for positioning said spool concentric and eccentric thereto, and means for releasably holding said reel spool in its concentric and eccentric positions relative to said shaft.

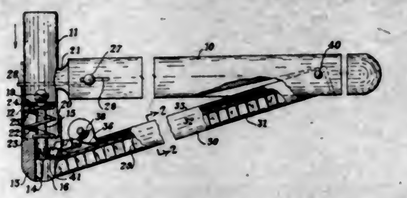
2,425,493
PROCESS FOR CATALYTIC POLYMERIZATION OF OLEFINS
Victor Stapleton, Dhahran, Saudi Arabia, assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 13, 1946, Serial No. 690,239
8 Claims. (Cl. 260—683.15)



1. A continuous method of polymerizing unsaturated hydrocarbons comprising C_4 and lighter olefins by contact with a catalyst at elevated temperature which comprises maintaining in a reaction zone a mass of polymerizing catalyst under a predetermined super-atmospheric pressure and at an elevated temperature effective for polymerization of olefins, passing C_4 and lighter olefins into contact with said catalyst, effecting substantial polymerization of feed olefins within the reaction zone, removing resulting polymerized olefins from the reaction zone, periodically discontinuing the flow of said lighter olefins for a brief interval of time without substantial interruption of flow of C_4 olefins to the reaction zone, and restoring the flow of said lighter olefin after each interval.

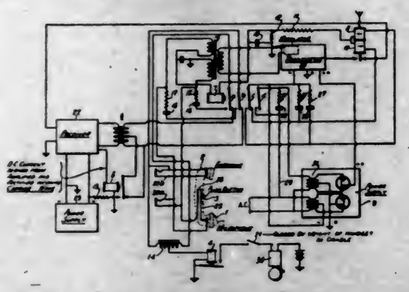
2,425,494
TACK HAMMER
August M. Taylor, Clarendon, Tex., assignor of one-half to E. F. Smith, Clarendon, Tex.
Application May 2, 1945, Serial No. 591,527
3 Claims. (Cl. 1—45)

1. A magazine tack hammer comprising, a handle, a hammer head attached to one end thereof, a sleeve telescopically connected with one end of the head, means limiting the relative sliding movement of the sleeve and the head, resilient means comprising a spring for urging the sleeve outwardly, the end of the sleeve having a central opening in communication with the exterior through a radial slot, a permanent bar magnet attached to the hammer head in position



to pass through the central opening when the sleeve is moved against the action of the spring, and a tack feeding magazine comprising, an elongated, hollow member having one end pivotally connected with the handle and the other end movably connected with the sleeve.

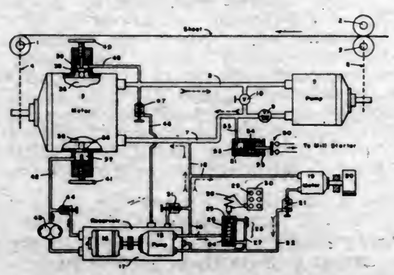
2,425,495
TWO-WAY TELEPHONE SYSTEM
Bertram A. Trevor and John B. Atwood, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 30, 1943, Serial No. 508,354
11 Claims. (Cl. 250—13)



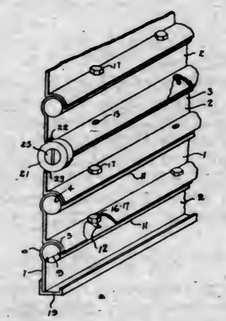
1. In a two-way communication system, a radio transmitter including modulating means and a source of modulating waves, a radio receiver including a signal responsive device, an antenna common to the transmitter and the receiver, a relay for alternately connecting the antenna to the input side of the receiver and to the output side of the transmitter, a second relay for connecting a power supply to said transmitter and for causing the attenuation of response in said receiver during the operation of said transmitter, and means including a direct current source and a circuit for simultaneously actuating both said relays therefrom, said circuit including a push-button, switch-contacts of which are in series with said source of modulating waves, whereby the times for transmission are selected.

2,425,496
WINDER DRIVE
Ransom Tyler, Greenfield, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 16, 1944, Serial No. 558,843
7 Claims. (Cl. 242—75)

7. In a mechanism having rolls for delivering strip material, means for starting said rolls and a winder roll for winding said strip material thereon as fast as it is delivered by said rolls, the combination of a hydraulic motor connected to said winder roll to drive the same, a pump driven in unison with said delivery rolls for delivering motive liquid to said motor to energize the same, fluid channels connecting said pump and said motor and forming therewith a hydraulic circuit having pressure and return sides, means for supplying additional liquid to the pressure side of said circuit, and means responsive to the pressure in said circuit reaching a predetermined maximum for effecting operation of said roll starting means.



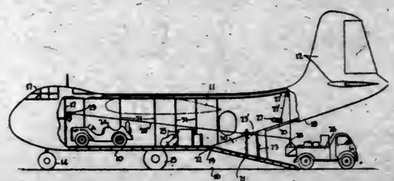
2,425,497
ROLLING DOOR
William Malcolm Waddell, West Vancouver, British Columbia, Canada
Application March 3, 1945, Serial No. 580,746
3 Claims. (Cl. 160—229)



1. A rolling door comprising a plurality of slats arranged in edge to edge relation, each of said slats having a web and curved upper and lower beads extending from the margins of said web, the curved upper bead of one slat forming a rocking contact with the lower curved bead of the next adjacent slat, one of said contacting beads being provided with spaced transverse slots and connecting means extending through said slots and into the contacting curved bead.

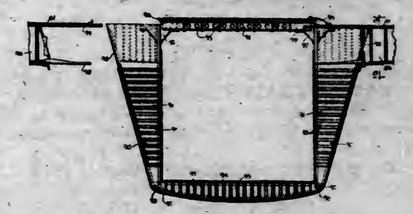
2,425,498
AIRPLANE
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 18, 1942, Serial No. 451,390
6 Claims. (Cl. 244—137)

1. An airplane comprising in combination, a cargo body having top, bottom and side enclosing walls forming a cargo compartment and having a loading opening in a wall thereof other than the top wall and having one edge thereof located at the bottom wall of said compartment, landing gear for supporting said airplane with its body above a supporting surface such as the ground, closure means for said body loading opening hinged at one edge to a bottom wall of the cargo compartment along the said edge of the opening which is located at the bottom wall and having a



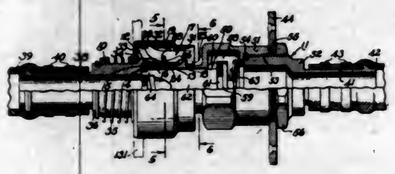
free edge adapted to rest on the supporting surface when swung down, said closure having such small inclination when lowered to the supporting surface as to form a low-angle passageway from the supporting surface to the bottom of the compartment, and length-adjustable strut means between the body and closure constructed and arranged to lock in any adjusted position for pushing the free edge of the closure down against the supporting surface and bracing the body thereabove.

2,425,499
WING-BODY STRUCTURE FOR AIRPLANES
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 2, 1945, Serial No. 580,644
7 Claims. (Cl. 244—118)



1. An airplane comprising a body of streamline shape, cantilever wings secured to the sides of the body, the depth of the wings at their roots to the body being less than half the depth of the body, the wing roots being connected by open bulkheads located wholly within the streamline shape of the body and interiorly defining a generally rectangular cargo compartment, the bulkheads in vertical section comprising triangular side frame members which are wide spanwise at the wing roots and which taper down away from the wing roots, one long side of the triangular section defining the streamline outer surface at that point, another long side of the triangular section defining a vertical side wall of the cargo compartment, and the short triangular side being located within the wing root, and upper and lower transverse bulkhead frame members connecting the triangular side members together at their upper and lower ends, said transverse members being much thinner in greatest cross section dimension than said side frame members at the wing roots.

2,425,500
VALVED COUPLING
Earl B. Wiggins, deceased, late of Los Angeles, Calif., by Irene Lane Wiggins, executrix, Los Angeles, Calif.
Application July 7, 1943, Serial No. 493,690
10 Claims. (Cl. 284—19)



1. In a coupling comprising a pair of members having tubular extensions adapted to be secured in telescopic relationship, means forming cooperating annular sealing surfaces respectively on said members and serving to limit relative axial movement between said members in coupling direction, releasable means securing said members with said surfaces in sealing contact and optionally preventing separation of the members, valve means in one of said members for controlling the passage therethrough and including a valve closure movable in an axial direction between passage opening and passage closing position, means resiliently opposing movement of said closure to open position, said closure having an extension, and means forming an abutment in said other member for engaging said extension when the members are coupled, to move said valve closure to open position, said securing means, said sealing surfaces and said abutment means cooperating with said extension to move said valve closure to a predetermined open position upon movement of said members to coupled relation, and to positively maintain said valve closure in said open position.

2,425,501
PREVENTION OF CRAZING OF FLASH HEATED SHAPES OF POLYSTYRENE
Fred E. Wiley, Hartford, Conn., assignor to Plax Corporation, Hartford, Conn., a corporation of Delaware
No Drawing. Application May 4, 1943, Serial No. 485,650
8 Claims. (Cl. 18—47.5)

8. The process of preventing crazing of a flash heated shape of polystyrene which comprises first heating the shape at a temperature of approximately 194–221° F., immediately flash heating the shape by drawing it through a die heated to a temperature of approximately 580–600° F., and thereafter immediately quenching the shape.

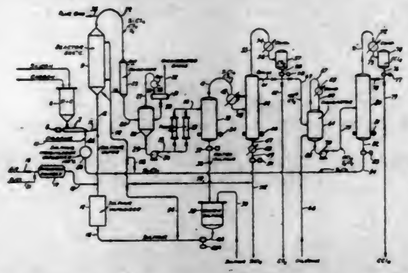
2,425,502
ABRASIVE WHEEL
Cecil E. Wilson, Baton Rouge, La., assignor to Independent Grinding Wheel Company, Inc., New Orleans, La., a corporation of Louisiana
No Drawing. Application June 26, 1946 Serial No. 679,590
5 Claims. (Cl. 51—293)

1. A process of the character described which comprises preparing a moldable mixture of abrasive grains, calcined magnesite, ferrous chloride, magnesium chloride and water, molding said composition in a desired shape, and treating the molded composition with an aqueous solution of magnesium sulfate and hydrochloric acid.

2,425,503
NONDIFFUSING COUPLERS FOR COLOR PHOTOGRAPHY
Abraham Baviey, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 20, 1944, Serial No. 536,601
2 Claims. (Cl. 95—6)

1. A photographic silver halide emulsion containing a color former fast to diffusion, said color former comprising the salt of a primary aliphatic amine containing at least 8 carbon atoms and a color former selected from the class consisting of phenols and naphthols having an acidic group selected from the class consisting of carboxylic and sulfonic acid groups in para-position.

2,425,504
MANUFACTURE OF SILICON TETRACHLORIDE AND CARBON DISULPHIDE
Arnold Belchetz, Larchmont, N. Y., assignor to Stauffer Chemical Company, a corporation of California
Application December 29, 1945, Serial No. 637,884
8 Claims. (Cl. 23—205)



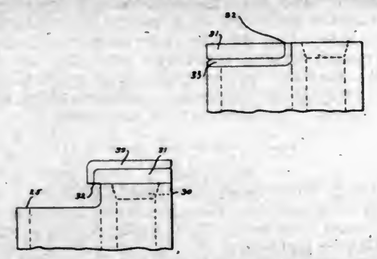
4. A continuous process for formation of $SiCl_4$ comprising forming a gaseous suspension in a reaction zone of silicon, chlorine, carbon and sulphur, maintaining in said reaction zone a temperature conducive to formation of $SiCl_4$ and CS_2, the proportion of silicon, chlorine and sulphur introduced and present in said zone for reaction being at least that substantially required for reaction

$$Si+2Cl_2+C+2S \rightarrow SiCl_4+CS_2$$

maintaining said suspension in said zone for a period sufficient to ensure substantial completion of the reaction, recovering and separating the $SiCl_4$ and the CS_2, reacting at least a portion of the separated CS_2 with chlorine to form carbon tetrachloride and a sulphur chloride, separating the sulphur chloride and returning to the reaction zone at least a portion of the sulphur chloride as a source of sulphur and of chlorine.

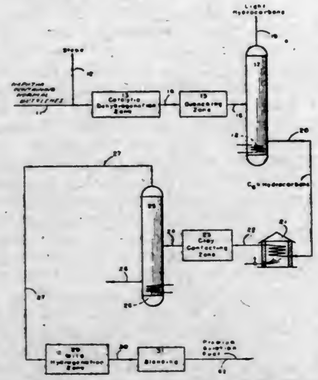
2,425,505
TWO-LEVEL REFRIGERATOR
John H. Benson, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application November 18, 1944, Serial No. 564,129
6 Claims. (Cl. 312—161)

5. In a refrigerator cabinet, upright walls including a partition defining two adjacent compartments, the compartments being open at the top at different levels, and a single closure means consisting of two members hinged together, one of which covers the higher compartment and the other of which covers the lower compartment, the member covering the lower compartment being L-shaped in cross section having the vertical portion of the L lying adjacent the partition and



hinged to an edge of the other of said members which is provided with a bottom surface composed of a hard abrasion resistant material to serve as a work surface.

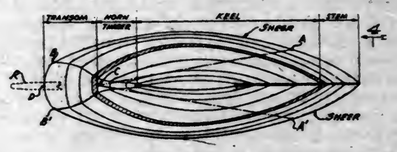
2,425,506
PRODUCTION OF PREMIUM AVIATION FUEL COMPONENTS
Sam R. Bethea, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 13, 1945, Serial No. 604,838
5 Claims. (Cl. 260—683.6)



1. A method for producing premium aviation fuel components including the steps of catalytically dehydrogenating a C_4 fraction including a major amount of normal mono-olefin to produce a product including substantial amounts of mono-olefin, diolefin and hydrocarbons boiling above 110° F. distilling the resultant product to separate a fraction boiling in the range of 110° to 350° F., contacting said fraction with clay at a temperature of approximately 400° F. to polymerize at least a major portion of the diolefin therein, removing product from said clay treating step, distilling to separate a fraction boiling up to 350° F. and mildly hydrogenating it to obtain a fracton suitable for inclusion in a premium aviation fuel.

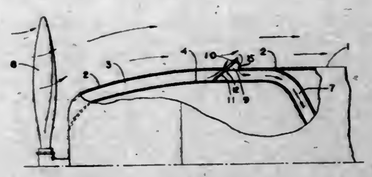
2,425,507
METHOD OF MANUFACTURING BOATS
Dudley M. Blakely, Bloomfield Hills, Mich.
Application February 28, 1946, Serial No. 650,810
2 Claims. (Cl. 9—6.5)

1. The method of manufacturing boats of various sizes from a single hull mold comprising the construction of a hull mold of the longest length and desired beam for that length, establishing diverging buttock lines from a point established at the intersection of the keel line extended to the sternmost point of the transom to sheer points located at a radius equal to the length of the hull to be molded from the said intersection of the keel line extended with the sternmost point



of the transom, molding a fragmentary hull in two halves outside said diverging buttock lines, assembling said hull sections so molded onto a keel and ribs in the usual manner with the buttock lines thereof adjacent said keel, and forming a suitable transom at the stern to which the rear end of the molded and assembled hull sections are joined.

2,425,508
DUST SEPARATOR, ESPECIALLY FOR CARBURETOR AIR INTAKE DUCTS
Thomas H. Chilton and Charles E. Lapple, Wilmington, Del., assignors to the United States Government, as represented by the Secretary of the Navy
Application January 23, 1945, Serial No. 574,152
2 Claims. (Cl. 123—119)

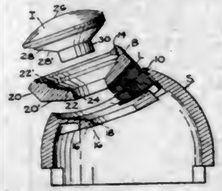


1. In a dust eliminating air intake system for an internal combustion engine of a high speed vehicle, an air duct extending longitudinally of the vehicle having a first air intake opening at the forward end thereof, an outer wall of said duct being located in the airstream of the vehicle, a second opening in said duct located in said outer wall, a pivot extending laterally across said second opening and located behind the forward edge of said opening a distance substantially less than the depth of said duct and forwardly of the rear edge of said second opening a distance at least equal to the depth of said duct, a baffle member for said second opening pivoted on said pivot having a vane extending forwardly of said pivot and within said duct a distance substantially greater than the depth of said duct and a rearward vane extending a distance at least equal to the rearward portion of said second opening, and means for controllably shifting said baffle member between a closing position substantially coinciding with the outer wall and a position with the forwardly extending vane forming an acute angle with the wall opposite the outer wall to divert the air through the forward portion of said second opening and with the rear vane extending into the airstream to open the rear portion of the opening to a reverse flow of dust freed air into said duct.

2,425,509
CHLORINATION
Albert M. Clifford and John R. Long, Stow, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 25, 1942, Serial No. 456,087
3 Claims. (Cl. 260—342.6)

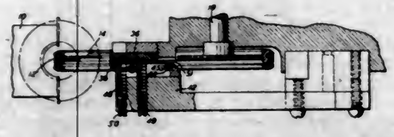
1. A method of preparing dichlorosuccinic anhydride which comprises treating molten maleic anhydride with gaseous chlorine at a temperature of at least 140° C., said chlorine being introduced under a pressure sufficient to maintain a gauge pressure of at least 10 pounds per square inch in all parts of the reaction vessel, and maintaining said pressure until the maleic anhydride is substantially completely converted to dichlorosuccinic anhydride.

2,425,510
DOLL EYE
David Cohn, Brooklyn, N. Y., assignor to Margon Corporation, Newark, N. J., a corporation of New Jersey
Application October 11, 1945, Serial No. 621,816
7 Claims. (Cl. 46—169)



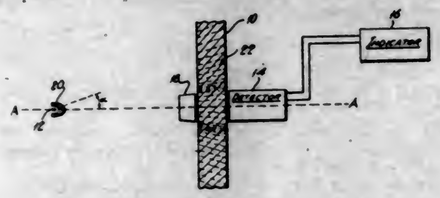
1. A doll eye comprising an eye shell having a front opening, said eye shell being adapted to be fitted into and to rotate within the eye socket of a doll head, an eyeball part having a front opening, the eyeball part being inserted into and mounted in the opening of the eye shell, and an iris part inserted into and mounted in the opening of the eyeball part, the eye shell being colored to simulate an eyelid, the eyeball part being colored to simulate the ball of an eye, and the iris part being colored to simulate the lens of an eye.

2,425,511
TOROIDAL COIL WINDING MACHINE
Robert M. Conklin, West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1945, Serial No. 611,935
3 Claims. (Cl. 242—4)



1. In a toroidal coil winding machine, a winding ring, for a supply of wire, rotatable in a circular path through an annular core to wind turns of the wire on the core, a stationary pad extending inwardly of the winding ring from a position adjacent the core, an inner pressure pad having its entrance end for the wire positioned adjacent the center of the winding ring and its exit end disposed short of the end of the stationary pad adjacent the core, means to normally urge the inner pressure pad towards the stationary pad to cause the pads to grip and control movement of a loop of the wire moving toward the core, and an outer pressure pad normally engaging the stationary pad at the end thereof adjacent the core and spaced from the exit end of the inner pressure pad whereby the loop of wire will be held until it is reduced to substantially the size of the turn it will form on the core.

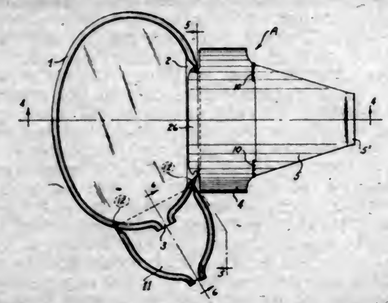
2,425,512
MEASUREMENT OF THICKNESS
Kenneth C. Crumrine, Bellaire, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 21, 1945, Serial No. 630,020
10 Claims. (Cl. 250—83.6)



7. The method of measuring the thickness of a wall or plate which comprises bombarding said wall with penetrative radiation from a source located on one side of the wall whereby radiation is transmitted through the wall to produce a radiation field at the side of the wall opposite the source, rendering that portion of the radiation field generally opposite the source substantially uniform in intensity by absorbing direct radiation passing toward said wall, the radiation passing from the source perpendicularly toward the wall being absorbed to a greater extent than the radiation passing toward the wall at an angle less than 90°, exploring said radiation field by means responsive to variations in radiation intensity while absorbing another portion of the radiation by means so disposed that when said source, said last named absorbing means and said exploring means are in alignment said last named absorbing means will cause a radiation "shadow" to fall upon the exploring means, stopping the exploring operation when said shadow produces a minimum in the intensity reading of said exploring means, removing the last named absorbing means and measuring the intensity of the transmitted radiation.

2,425,513
SHAMPOOING APPARATUS
Agnes Rosaline Czajcinski and Helen R. Sparks, St. Louis, Mo.
Application March 19, 1945, Serial No. 583,487
3 Claims. (Cl. 4—159)

1. An apparatus adapted for use in washing the hair of a person lying on a bed, said apparatus comprising a head supporting member, a shoulder supporting member attached to said head supporting member, a pan adapted to receive water resulting from the hair washing operation, said head supporting member, said shoulder supporting member, and said pan being adapted to be supported by the bed on which the person whose hair is being washed is lying, said pan being provided with an opening for discharge of water therefrom, and a discharge spout disposed at said opening of said pan and attached to said pan and adapted to receive water discharged from said pan through the discharge opening thereof.

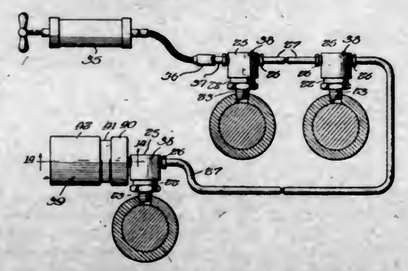


2,425,514
SELF-SEALING FUEL TANK
Paul J. Dasher, Stow, Richard A. Crawford, Akron, and Russell S. Colley, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 16, 1940, Serial No. 352,900
9 Claims. (Cl. 154—43.5)



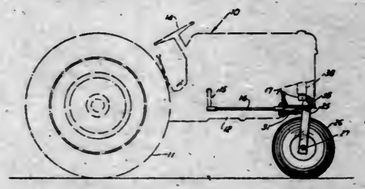
1. A self-sealing flexible tank comprising a lining of gasoline-impervious vulcanized synthetic rubber-like material, a rubbery sealing layer which will swell in gasoline but will not dissolve in gasoline, and a tough, tear-resistant outer skin, all adhered together.

2,425,515
LUBRICATING APPARATUS
Ernest W. Davis, River Forest, Ill.
Application October 7, 1942, Serial No. 461,096
8 Claims. (Cl. 184—7)



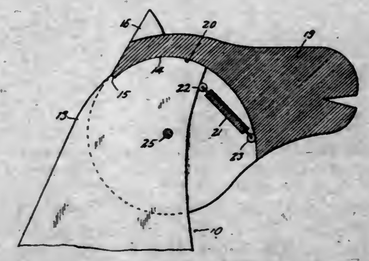
1. In a centralized grease lubricating system including a plurality of parts, each requiring lubrication in predetermined proportions to the others, and each provided with a lubricating-receiving connection: the combination of a flow-regulating device for each part; each flow-regulating device having an inlet, and an outlet connected to the lubricant-receiving connection for its part; a supply line connected to all the inlets of said devices, for the substantially simultaneous delivery of lubricant under pressure to all of them; each device including at least one calibrating passage; all the calibrating passages in a plurality of different devices having the same cross section and length, and the same yield point and flow characteristics; different devices having different numbers of passages arranged in parallel, in numbers proportional to the proportions of lubricant required by the different parts; whereby the predetermined proportions of lubricant supplied to the different parts remain unaffected by changes in supply pressure, in temperature, or in the physical characteristics of the lubricant employed; each device including spring pressed piston means for maintaining a constant pressure drop in said passages; the pressure drop in the passages of all devices being the same; means for intermittently imposing high pressure on said supply line; and resilient storage means adapted to receive and store lubricant from said pressure line during periods of high pressure, and return the stored lubricant at a lower pressure to said line after the high pressure has ceased.

2,425,516
CASTER WHEEL ASSEMBLY FOR TRACTORS
Elvin D. De Witt, San Juan Bautista, Calif.
Application November 28, 1945, Serial No. 631,282
5 Claims. (Cl. 280—92)



1. A caster wheel assembly for a tractor having a drag link and a steering wheel for actuating said link comprising an adapter bracket having a rearmost end to be bolted to the forward end of the tractor crank-case so as to extend forwardly therefrom, a caster yoke suspended from the forward end of the bracket to rotate about a vertical axis, a caster wheel carried by the yoke, a bell crank lever pivoted to the adapter bracket, one arm of said lever being adapted to be connected to the said drag link of the tractor, the other arm of said lever adapted to be connected to said yoke whereby reciprocation of the drag link will be accompanied by turning movement of the yoke.

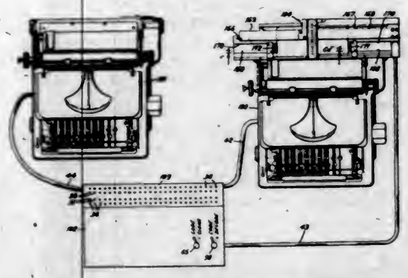
2,425,517
HOBBYHORSE
Harry C. Dollar, Mebane, N. C.
Application October 16, 1944, Serial No. 558,889
2 Claims. (Cl. 272—52)



2. In a device of the character described in combination, a body, a neck portion having an

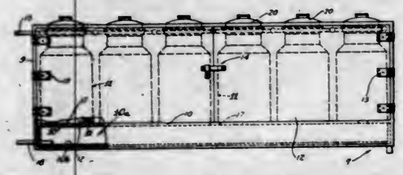
arcuate extremity extending from said body, a head portion comprised of side plates and a central member, said central member having an arcuate concave surface of a radius of curvature equivalent to said first mentioned arcuate surface and coacting therewith, means pivotally mounting said head portion to said neck portion, means to move said head portion about said pivot, resilient means between said head portion and neck to bias the head portion against the pressure of said last mentioned means, and stop means precluding movement of said head portion beyond predetermined points in either direction.

2,425,518
CIPHERING APPARATUS
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 11, 1944, Serial No. 517,797
9 Claims. (Cl. 197—4)



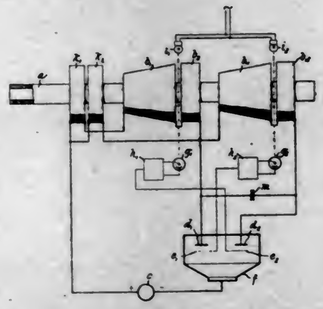
5. A ciphering apparatus of the type wherein a plain text and a cipher text are printed simultaneously by two printing mechanisms, under control of a single keyboard, the plain text being printed one character after another on a record sheet supported by a carriage which moves step-by-step as the characters are printed, characterized by cipher control means movable progressively with the carriage to change the cipher relation between the keyboard and the cipher text printing mechanism as the printing progresses, said cipher control means being movable reversely, with the carriage to any previous position, to restore the cipher relation which existed at said previous position.

2,425,519
MILK COOLER
George R. Duncan, Washington, Mo.
Application October 23, 1944, Serial No. 559,943
10 Claims. (Cl. 62—141)



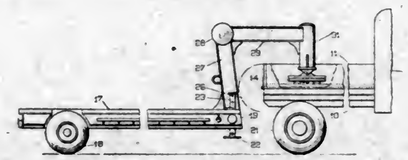
1. The combination with a cabinet, having a wall structure enclosing a lacteal fluid container receiving compartment and a sump underlying said compartment for receiving drainage therefrom, of container supporting means within said compartment, container filling means, and container cooling means, a vertical part of said wall structure having door opening means therein to permit the insertion into and withdrawal from the compartment of containers, door means for said opening means, and the top of said wall structure having a predetermined number of openings therein; the container cooling means comprising a header in said cabinet and parallel pipes disposed in said compartment and connected to said header, each pipe having perforations therein arranged to discharge cooling liquid laterally therefrom and said pipes being arranged to present a set of discharge openings on each of two opposite sides of each space to be occupied by a container when in position to be filled; the container supporting means comprising a perforated partition forming the bottom of said compartment and the top wall of the drainage sump, said supporting means being so located with respect to the pipes that cooling liquid sprayed therefrom may shower the exterior of the neck portion of each container in position to be filled without entering the interior of the container; and the filling means comprising an element alined with the position to be occupied by the inner surface of the mouth of a container and having circumferentially distributed holes for feeding and discharging lacteal fluid in a thin annular film against said inner surface of said containers, and means for supplying said element with lacteal fluid from the exterior of the cabinet through the top of said wall structure.

2,425,520
ELECTRIC ABRASIVE PROJECTOR
André Dutoit, Le Locle, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application June 1, 1945, Serial No. 597,043
In Switzerland June 17, 1944
9 Claims. (Cl. 51—9)



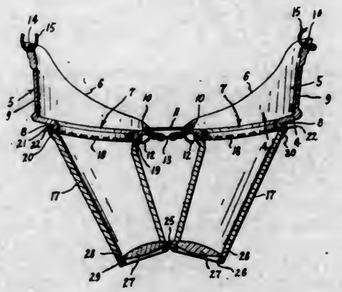
1. In an electromagnetic abrasive projector for projecting a blast of magnetizable particles, a tube constituting a path for said particles, bunching coil means surrounding said tube at the inlet portion, a plurality of accelerating coils spaced along and surrounding said tube, a power source, and means periodically energizing said bunching coil means from said power source to form said particles into packets in timed relation with periodic energization of said accelerating coils in sequence to produce a magnetic field traveling lengthwise along said tube for accelerating said particle packets, last said means including a control device associated with each said accelerating coil and responsive upon passage of a particle packet therethrough to effect energization of an adjacent accelerating coil.

2,425,521
TRAILER COUPLING
Ernest Ellberg, Warren, Pa., assignor to Benjamin F. Mead, Warren, Pa.
Application March 26, 1946, Serial No. 657,233
8 Claims. (Cl. 280—33.1)



1. A coupling unit for joining a semi-trailer to a powered vehicle having a load receiving box, said unit comprising a draw bar rigidly attached to and extending forwardly of the end of said trailer, a mat adapted to rest on the bottom of the box of said vehicle, means pivotally connecting said mat to the free end of said draw bar, and means forming part of said mat so disposed as to be substantially co-extensive with the interior length and breadth of said box whereby to prevent both longitudinal and lateral displacement of said unit with respect to said vehicle.

2,425,522
HEAD-SUPPORTED BINOCULAR MAGNIFIER
Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 18, 1943, Serial No. 514,773
5 Claims. (Cl. 88—41)

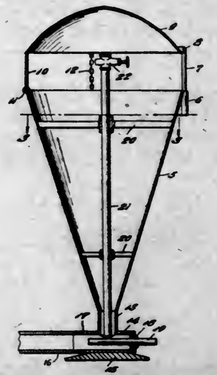


1. A device of the character described comprising a pair of eye cups having edge portions shaped to fit the face and sight openings therein with connection means adjacent said sight openings, said connection means having a supporting edge portion with spaced recesses therein, a pair of tubular members each having an edge portion shaped to engage the supporting edge portion of the connection means of the respective eye cups, means secured to the connection means of the respective eye cups for securing said tubular members to said eye cups, said means having openings therein communicating with the spaced recesses in the supporting edge portions of the eye cups and means for adjustably altering the relation of the tubular members and eye cups.

2,425,523
PHENYL AND TOLYL ALPHA-ACETOXYPROPIONATE AND PROCESS FOR THEIR PREPARATION
Edward M. Filachione, Philadelphia, and Charles H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application November 25, 1943, Serial No. 511,682
10 Claims. (Cl. 260—484)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing aryl esters of alpha-acetoxypropionic acid which comprises reacting alpha-acetoxypropionyl chloride with a compound selected from the group consisting of phenol, a metallic salt of phenol, cresol and metallic salts of cresol.

2,425,524
MUD MIXER
Remie Elton Fontenot and Robert H. Dooley, Ville Platte, La., assignors of one-third to Atlee P. Steckler, Ville Platte, La.
Application July 21, 1944, Serial No. 545,967
2 Claims. (Cl. 259—18)

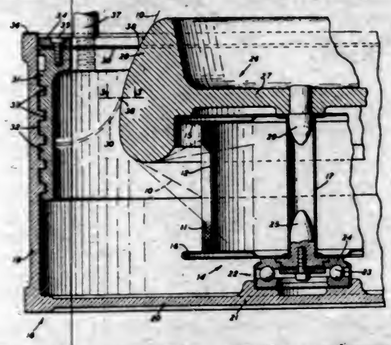


1. A device of the character described including an inverted conical shaped hopper having a restricted outlet, a mixing chamber connected with said restricted outlet and extending transversely thereof and having a discharge outlet, a high pressure fluid discharge pipe arranged axially in said chamber below said restricted outlet and terminating at a point beyond said restricted outlet adjacent said discharge outlet, an air inlet pipe supported centrally of said hopper extending through said restricted outlet and terminating at a point within said mixing chamber, the upper end of said air inlet pipe extending above said hopper, and valve means on the upper end of said air inlet pipe for controlling the amount of air drawn through said pipe into said mixing chamber to effectively control the pressure and mixture therein to prevent packing or clogging up in said mixing chamber.

2,425,525
STRAND TENSIONING APPARATUS
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1945, Serial No. 613,145
6 Claims. (Cl. 242—45)

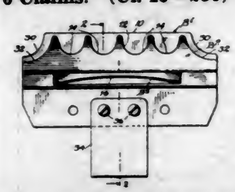
1. Apparatus to impose tension on a strand being drawn off over one head of a stationary reel, the said apparatus comprising a strand guide

cap member to be supported on the specified head of the reel and to overhang the same peripherally and having a strand guiding surface of revolution coaxial to the axis of the reel, and a flexible annular tension member with a central aperture of



diameter intermediate between the maximum and minimum diameter of the cap member to engage coaxially on the cap member and to tension a strand drawn from the reel over the strand guiding surface of the cap member and under the inner peripheral edge of the tension member.

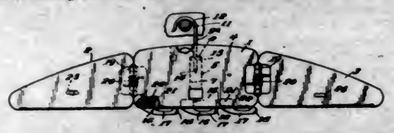
2,425,526
OIL REMOVER OR WIPER
Samuel Friedman, Brooklyn, N. Y.
Application November 20, 1943, Serial No. 511,021
6 Claims. (Cl. 15—236)



1. A device for removing oil from an operative's hand, comprising a pair of spacedly arranged wiper blades, one of the blades having an edge line-shaped to fit across the palm of the hand and the other of the blades having an edge provided with a plurality of laterally spaced concave recesses adapted to fit partway around individual fingers of the hand, the lateral spacing of the concave recesses corresponding to the lateral spacing of the fingers of the operative's hand, the said pair of blades being spacedly arranged in a direction perpendicular to the edges of the blades and hence in the direction of a hand scraping operation, whereby the front of the operative's hand may be moved in one sweep in oil-wiping contact first with the palm scraping against the line-shaped edge of the first blade and then with the fingers scraping against the recess-shaped edge of the second blade.

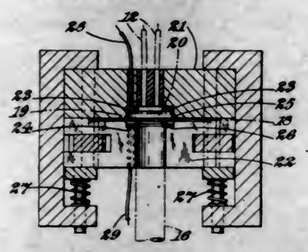
2,425,527
DISAPPEARING HANGER HOOK
Orlando Alboeno Gaudino, Butler, Pa.
Application July 24, 1945, Serial No. 606,823
2 Claims. (Cl. 223—94)

1. A coat hanger comprising a body having a straight bottom edge, and a curved top edge, a pair of lateral wings on the body having a straight bottom edge in line with the bottom edge of said body and curved top edges forming a continuation of the top edge of the body to end in narrow curved ends which lie within the ends of the body and said wings extend from the end edges of the body to fold against opposite sides of the body to form a compact parcel, spring hinges for the lateral wings urging the same normally against the body, the body having a hook shaped cavity at the central point of its



top edge, a hanger hook contained in the cavity to be concealed thereby, and designed to extend out of the cavity when it is to be used, the cavity for the hanger hook having an enlarged vertical cylindrical part forming a shoulder, and the shank of the hanger hook has a circular turn adjacent its ends to engage the shoulder and prevent its withdrawal from the body.

2,425,528
TERMINAL JOINT FOR ELECTRIC CABLE WITH PLASTIC SHEATH
Georg Haim and Hans Peter Zade, London, England, assignors to Arc Manufacturing Company Limited, London, England, a British company
Application February 13, 1945, Serial No. 577,664
In Great Britain June 21, 1943
6 Claims. (Cl. 154—2.23)

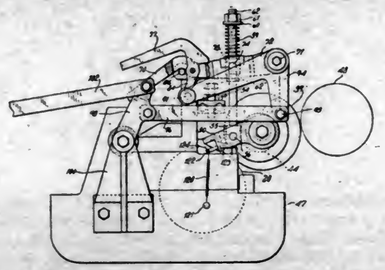


1. A method of making a terminal joint on an insulated and sheathed cable in which the conductors are bedded in insulating material made of plastic and in which the cable has an outer sheath of a plastic, which method comprises exposing end portions of the conductors, flaring the sheaths out radially, threading a washer of thermoplastic insulating material onto the conductors, coating those portions of the bared wires contiguous to the insulating material in which the conductors are bedded and to the washer with a fluid organic material which is polymerisable at the temperature attained by those parts during the subsequent electric heating of the terminal joint and welding the washer on to the cable insulation and to the outer sheath of plastic by diathermic welding in an embracing jig.

2,425,529
INKING MECHANISM FOR PRINTING PRESSES
Charles Alonzo Harless, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application September 14, 1944, Serial No. 554,099
11 Claims. (Cl. 101—351)

8. For a printing press, inking mechanism including in combination a movable carriage, an inking train and a fountain roller supported by said carriage, an eccentrically mounted pick-up

roller in peripheral contact normally with the fountain roller and with the ink train, pressure means for normally urging the pick-up roller into said peripheral contact, a handle provided with a pair of latches and connected to said pick-up roller, one of said latches being held by a fixedly associated stud and the other latch being held by a stud adapted to be vertically moved relative to its latch, said handle being normally held in latched position with both studs in the same plane

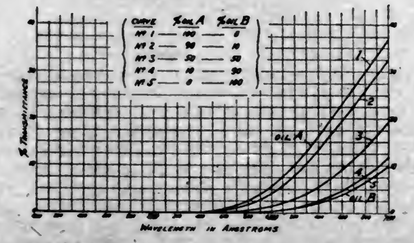


and supporting their respective latches, and with the pick-up roller in said peripheral contact but adapted to be manually unlatched to move the pick-up roller eccentrically out of peripheral contact and thus discontinue to supply ink to the ink train, a lever moved by said carriage and engagable with one of the latches on said handle for moving the handle from unlatched position to latched position as the carriage is moved to operative inking position.

2,425,530
INSECTICIDE
Edward Harvill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application December 26, 1942, Serial No. 470,224
2 Claims. (Cl. 167—24)

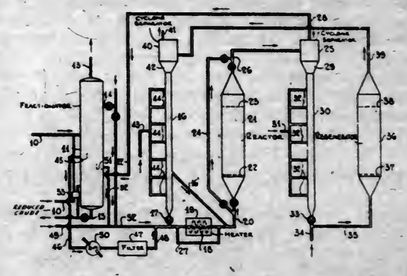
1. A contact insecticidal composition comprising piperine and pyrethrin in a liquid spray base of petroleum origin.

2,425,531
METHOD OF DETECTING LEAKAGE IN OIL WELLS
Nathaniel G. Haseltine and Morris Bock, Dallas, Tex., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 30, 1944, Serial No. 556,508
7 Claims. (Cl. 88—14)



1. In the production of oil from a single bore hole traversing at least two productive horizons and in which leakage of oil from a horizon of higher pressure to one of lower pressure is apt to occur, the method of detecting such leakage as production proceeds which comprises determining the absorption characteristics of oil withdrawn during production from said lower pressure horizon for light radiation of wave length substantially above 5500 Angstroms and comparing the determined absorption characteristics with the absorption characteristics of oil previously withdrawn from said lower pressure horizon for light radiation of the same wave length, thereby to detect any substantial change in said characteristics as production proceeds and thus afford an indication as to whether leakage of oil from the higher pressure horizon to the lower pressure horizon has occurred.

2,425,532
PROCESS FOR REMOVING INORGANIC IMPURITIES FROM MINERAL OILS PREPARATORY TO CATALYTIC CRACKING
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 26, 1944, Serial No. 537,414
2 Claims. (Cl. 196—52)

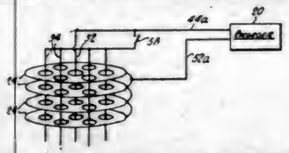


1. In a process for cracking salt-containing crudes; the improvement which comprises introducing said salt-containing crude into an upper intermediate point in a fractionating zone, separately introducing hot cracked vapor products into the bottom portion of said fractionating zone, separately collecting a fraction comprising unvaporized salt-containing crude and a light condensate obtained from said vapors at an upper point in said fractionating zone but below the point of introduction of said reduced crude, filtering the fraction so collected to remove salt therefrom, separately collecting an intermediate condensate fraction at a lower point in said fractionating zone, removing the intermediate fraction so collected, separately collecting an initial heavy condensate fraction in the bottom portion of said fractionating zone, separately withdrawing said heavy condensate fraction so collected, combining said intermediate fraction with the filtered fraction, subjecting the resulting mixture to cracking in the presence of an active cracking catalyst at cracking temperature for a period sufficient to convert a substantial portion of said mixture into gasoline and introducing the resulting hot cracked vapor products into the fractionating zone as aforesaid.

2,425,533
DEVICE FOR MEASURING WALL THICKNESS
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 21, 1945, Serial No. 630,018
5 Claims. (Cl. 250—83.6)

3. An apparatus for measuring the thickness of a wall comprising a source of gamma radiation adapted to be positioned at one side of said wall

so that said radiation will pass into said wall, means for probing the field of transmitted radiation generally opposite said source in order to locate the point of approximate maximum intensity and thus the point approximately opposite said source and for measuring the amount of radiation transmitted through the wall at and around said point to determine the thickness of the wall at said point, comprising a detector having an elongated housing, a plurality of individual gamma ray counters disposed in parallel



within and longitudinally of said housing, all but one of said counters being connected together in a bank electrically in parallel, means connected to said one counter for indicating the output of said counter during said probing operation and means for connecting said bank of counters to said indicating means so that the output of all the counters when the detector is placed at said point of approximate maximum intensity, will be indicated, said indication being a measure of the thickness of the wall at said point.

2,425,534

P-NITROPHENYL DICHLOROISOBUTYL ETHER

William F. Hester, Drexel Hill, and W. E. Craig, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application October 25, 1946, Serial No. 705,800

1 Claim. (Cl. 260—612)

As a new chemical compound,

$4\text{-}NO_2C_6H_4OCH_2CCl(CH_3)CH_2Cl$

2,425,535

SEPARATION OF NORMAL PARAFFINS FROM ISO-PARAFFINS BY MEANS OF ACTIVATED COCOANUT CHARCOAL

Henry J. Hibshman, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 25, 1945, Serial No. 607,079

11 Claims. (Cl. 260—676)

10. The process for separating normal paraffins from branched chained paraffins in a mixture of said paraffins containing from six to ten carbon atoms per molecule, said mixture being substantially free from other kinds of hydrocarbons which comprises passing said mixture into contact with a sufficient quantity of activated cocoanut charcoal to preferentially adsorb the normal paraffins from the mixture by the said charcoal and withdrawing from the charcoal residual unadsorbed paraffins which are mainly branched chained paraffins.

2,425,536

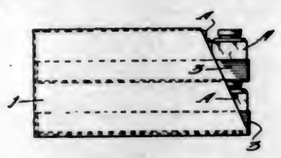
SHIPPING AND DISPLAY BOX

George J. Hofeldt, Riverside, and Charles W. Lofgren, Oak Park, Ill., assignors to Sanford Ink Company, a corporation of Illinois

Application November 10, 1944, Serial No. 562,758

2 Claims. (Cl. 206—44)

1. A rectangular bottle package comprising a long carton body member having an open end terminating in a plane inclined to two opposed walls thereof so that one of the latter is longer than the other, a cover telescoped over the said open end of the body member, a plurality of loose, shallow trays arranged one above the other in the body member parallel to the aforesaid walls and substantially as wide as the latter, each tray substantially the length of said longer wall, bot-



tles that are higher than the depth of the trays filling the latter, the parts being so proportioned that the filled trays have a combined depth about equal to the distance between the said walls, the inclination of the open end of the body member being such that when the cover is removed portions at least of all endmost bottles at said open end are exposed to view from the sides and the end of the body member.

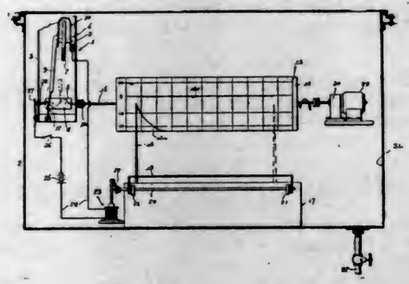
2,425,537

CALIBRATION OF RADIOSONDES

John Hornbostel, Glen Ridge, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application August 17, 1943, Serial No. 499,024

2 Claims. (Cl. 73—1)



1. Apparatus for calibrating a radiosonde of the time-interval type for a given condition of the atmosphere, said radiosonde having a meteorological instrument responsive to variations in said condition and a rotating contactor cylinder having a helical contact element engaged by an indicating arm of said instrument once during each revolution of said cylinder, comprising a rotatable drum for carrying a calibrating sheet on the periphery thereof, means for turning the contactor cylinder of the radiosonde and said drum coordinately with one another, means for subjecting said instrument to successive values of the condition to be measured, and means controlled by said contactor cylinder for making marks successively on said sheet at the instants said helical contact element is engaged by said indicating arm and at positions along the drum corresponding to the deflections of said meteorological instrument.

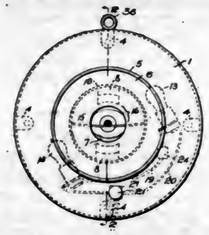
2,425,538

METHOD AND MEANS FOR PRODUCING SLEEP BY CREATING THE ILLUSION OF A WINKING EYE

Chester W. Johnson, Bridgewater, Mass.

Application June 6, 1946, Serial No. 674,906

9 Claims. (Cl. 128—1)



1. That method for inducing sleep comprising establishing the semblance of an eye capable of transmitting light, in a bedroom, apartment or the like, in view of a person desiring to sleep; transmitting constantly, through the lower part of said eye, rays of light from an artificial source of light behind said eye; transmitting light rays from a source of artificial light behind said eye through the upper part of said eye; and at very frequent, substantially regular intervals interrupting briefly the light rays through the upper part of said eye, thereby simulating in the mind of such person the winking of the said eye, and thereby producing imitation and inducing sleep through the regularity of the winking simulation.

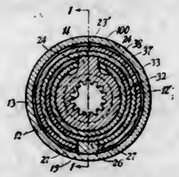
2,425,539

COUPLING

James P. Johnson, Shaker Heights, Ohio, assignor to The Aro Equipment Corporation, a corporation of Ohio

Application October 31, 1942, Serial No. 464,102

4 Claims. (Cl. 64—27)



1. A flexible coupling comprising; a rotatable drive member; a rotatable driven member adapted for unitary rotation in the same direction with said drive member; said members having a limited amount of relative angular movement about their axis of rotation; and a flexible means operatively connecting said members together for unitary rotation including, a pair of endwise opposed lugs one on each member projecting outwardly on one side of their axis; a second pair of endwise opposed lugs one on each member positioned outwardly on the opposite side of their axis, the second lugs being disposed farther outward radially than the first mentioned lugs; an outer looped spring member having free ends engageable with the adjacent sides of both second mentioned lugs; and an inner looped spring member nested in and against said outer looped spring member and against said second mentioned lugs at its middle and having free ends engageable with the sides of both first mentioned lugs, whereby the load on the drive and driven members is balanced.

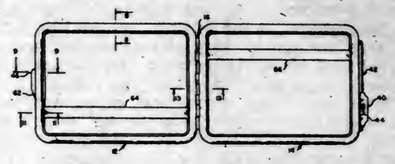
2,425,540

POCKET CASE

Max Kaplan, New York, N. Y.

Application November 8, 1946, Serial No. 708,588

19 Claims. (Cl. 206—41)



10. A cigarette case having two hingedly related sides, each side comprising a rectangular metal frame and flexible covering material stretched taut by said frame, said frame comprising three rings, namely, a spreader ring over which the covering material is stretched with the edges of said covering material turned inwardly about the spreader ring, a clamping ring pressed inside said spreader ring to lock the covering material in position, and a finishing ring having an inside wall forced within the clamping ring, a face wall coming over the clamping ring, and an outside flange pressed flush against the covering material outside the spreader ring, a flexible tape extending across each side of the case to hold the cigarettes therein, the ends of said tapes being anchored in position by metal clips, each clip comprising reversely folded walls between which the end of the tape is clamped, and a pair of tongues projecting outwardly from the inner wall and being received through mating slots in the inside wall of the aforesaid finishing ring, said tongues being held between said finishing ring and said clamping ring.

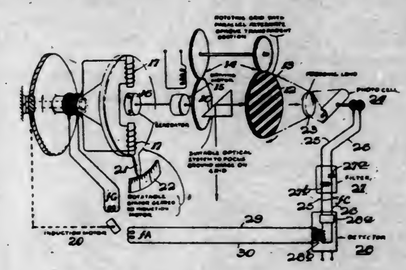
2,425,541

PHOTOELECTRIC DRIFT INDICATOR

Henry Konet, Paramus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application July 3, 1944, Serial No. 543,358

16 Claims. (Cl. 177—352)



12. An instrument of the class for measuring or controlling the value of a variable, comprising a movable final element, a polyphase motor operatively connected with said element for changing the latter's position and having a plurality of phase-windings for determining the direction of running of the motor and hence of motion of the element in accordance with the relative phases of an electrical condition in said phase-windings; a second motor, having a continuously rotating shaft; a first means, having one part continuously driven by said shaft to alternate the value of the electrical condition of one of said phase-windings

at a frequency proportional to the speed of rotation of said shaft, and having another part operatively connected with the polyphase motor to be angularly movable thereby from a definite reference position to create a phase difference of the alternations from those for said definite reference position; a second means, having at least one rotatable part for setting up impulses with an effective frequency varying in accordance with the value of an angle between said part and a direction corresponding with the value of said variable, said last-named part being operatively connected with said shaft to be continuously driven thereby to cyclically vary said effective frequency at the same cyclical frequency as that of the electrical condition of the stated one of said phase-windings; and a third means, electrically connecting the second means with another of said phase-windings to continuously convert the instantaneous value of said effective frequency into a corresponding value of the electrical condition in another of said phase-windings, whereby both stated electrical condition values oscillate at the same frequency with their relative phase difference proportional to the value of said variable and operate the polyphase motor to reduce said phase difference to a value for stopping the operation.

2,425,542

PROCESS FOR DEHYDRATING CARBOXYLIC ACIDS

Vernon K. Krieble, Hartford, Conn., and Robert H. Smellie, Oak Ridge, Tenn.

No Drawing. Application July 13, 1944, Serial No. 544,828
16 Claims. (Cl. 260—541)

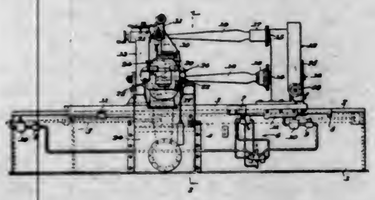
1. A process for dehydrating a carboxylic acid which is liquid at 25° C. and which contains water comprising reacting the aqueous acid with hydrogen chloride and a compound selected from the group consisting of hydrogen cyanide and a water soluble organic nitrile.

2,425,543

APPARATUS FOR CARVING PROPELLER BLADES

George F. Landgraf, Cockeysville, Md., assignor to Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md., a corporation of Delaware

Application December 28, 1944, Serial No. 570,126
6 Claims. (Cl. 90—13.4)



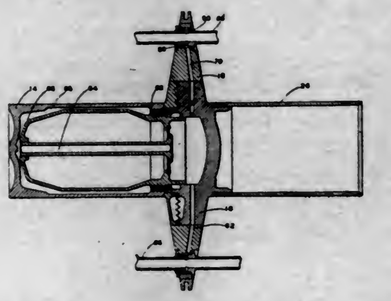
1. In an indexing mechanism for a machine tool of the character described for carving either right or left hand propeller blades in accordance with a master model of a single blade, said mechanism having a work carrying spindle rotatable to index the work and a model carrying spindle rotatable to index the model, the improvement comprising a gear on each spindle, and selectable idler gearing for coupling said spindle gears, said idler gearing including a single idler gear adapted to be meshed with both spindle gears for indexing the blank and model in the same direction to carve blades similar to the model, and a pair of meshed idler gears adapted to be meshed respectively with the spindle gears for indexing the blank and model in opposite directions to carve blades opposed to the model a common support for said idler gears, and movable journalling means for at least one idler gear carried by the support for adjusting the said idler gear relative to other of said gears to reduce back lash therebetween.

2,425,544

PISTON COOLING IN FREE-PISTON UNITS

Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application March 27, 1945, Serial No. 585,160
16 Claims. (Cl. 123—176)



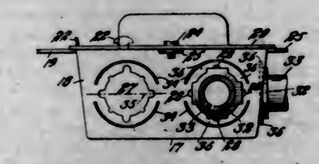
1. In a free-piston unit having a reciprocating piston, cylinders in which the piston reciprocates, coolant tubes extending from one of the cylinders in parallel relation to the piston reciprocation, and tubes mounted in the pistons for reciprocation with said pistons and fitting over the coolant tubes.

2,425,545

OUTLET BOX COUPLING

Edward A. Lefebre, Jamaica, N. Y., assignor of forty-five per cent to Edward Henry Lefebre, Springfield Gardens, forty-five per cent to Stuart H. George, Bellerose, and ten per cent to Francis J. Orzel, Regent Park, N. Y.

Application September 17, 1943, Serial No. 502,850
8 Claims. (Cl. 285—6.5)



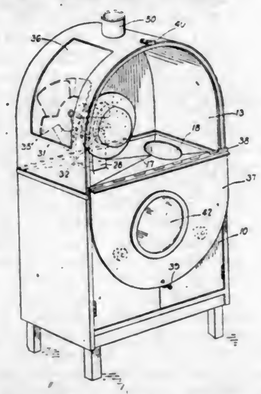
1. An outlet box, switch box or the like, comprising a box body of bendable material, said box body having a knockout in the wall of the same and complementary slots defining partly detached portions at opposite sides of said knockout and rendering said partly detached portions bendable about an axis intersecting the knockout, between said slots into a plane inclined relative to the general plane of said box wall.

2,425,546

CENTRIFUGAL DRIER FOR HATS

William Lindsey, Syracuse, N. Y.

Application February 17, 1945, Serial No. 578,483
2 Claims. (Cl. 34—58)



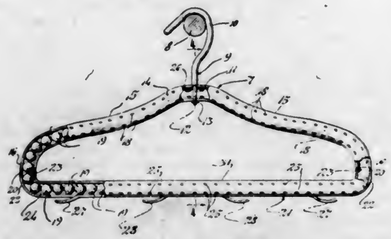
1. A hat cleaning machine which includes a drain board, an arch-shaped cover enclosing the upper side of the drain board, a pedestal mounted on the drain board beneath the arch-shaped cover, a drive motor mounted on the upper end of the pedestal, a hat supporting block mounted on one end of the drive shaft of said motor for rotation therewith about a horizontal axis, an air circulating fan on the opposite end of the motor shaft, a back wall extending between the arch-shaped cover and the drain board, and an access door hinged to the edge of the drain board opposite the back wall and adapted wholly to close the space between the front edge of the drain board and the arch-shaped cover.

2,425,547

GARMENT HANGER

Hazel Marie Lipsitz, Chicago, Ill.

Application April 20, 1945, Serial No. 589,346
2 Claims. (Cl. 223—86)



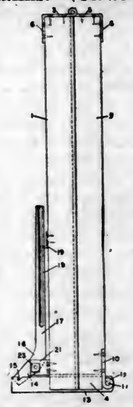
1. A garment hanger comprising, a coat hanger element of tubular construction terminating in depending elbow extensions, a hanger element secured to the midpoint of the said coat hanger, and a tubular bar member terminating in upwardly directed elbow extensions removably secured to the said depending elbow extensions, the said tubular bar member further provided with hook means integrally formed and adapted to support a garment in hanging position, the said hook means including, hook portions formed from the lower portion of the said tubular bar member, the said hook portions being spaced equidistantly from the transverse axis thereof and adapted to clamp a portion of a garment.

2,425,548

WIRE CLAMP FOR STRETCHING WIRE

Ellis H. Lowery, Bernice, La.

Application March 30, 1945, Serial No. 585,775
4 Claims. (Cl. 254—83)



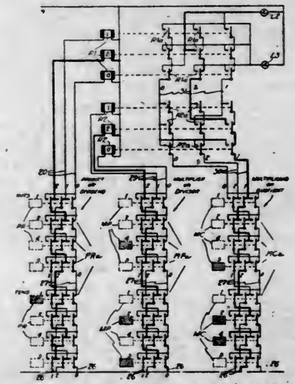
1. A wire clamp for stretching wire, comprising a pair of similar sections pivoted together at their ends, and having their opposite ends formed with registering slots, an arm pivoted on the slotted end of one section to fit in the slots and bridge the ends of the sections, and having a notched end, a pivoted operating lever having a pin detachably engageable in the slot in the arm to draw and hold the sections together, and the pin releasable from the slot to release the sections, the meeting faces of the sections having interfitting ribs to engage the wire, edge flanges on said lever and a latching bracket on one of said sections provided with a finger to fit over one of said edge flanges to hold the lever in operative position to hold the sections together about a wire to be stretched.

2,425,549

CALCULATION CHECKING DEVICE

Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 31, 1944, Serial No. 552,118
5 Claims. (Cl. 235—61)



1. In an apparatus of the class described, a set of product relay contacts and connections therethrough, a set of multiplier relay contacts and connections therethrough, a set of multiplicand relay contacts and connections therethrough, each set being adjustable to represent

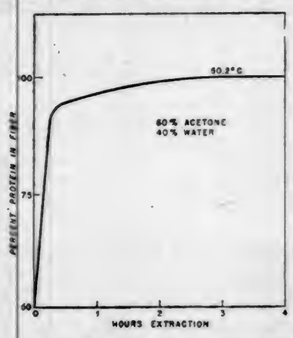
a term of a computation to be checked and the connections therethrough being in accordance with the table of addition with 3's cast out, a set of product summation magnets operated by the product relay contacts in accordance with the remainder of the sum of the digits set therein, divided by 3, a set of multiplier summation magnets operated by the multiplier relay contacts in accordance with the remainder of the sum of the digits set therein, divided by 3, contacts adjusted by each set of magnets, multiplying circuit connections interconnecting the contacts related to the multiplier summation magnets and the multiplicand relay contacts in accordance with the table of multiplication with 3's cast out, comparison connections between said multiplying connections and the contacts related to the product summation magnets in accordance with the conditions of comparison, and current responsive devices included in said circuit connections to indicate the result of the comparison.

2,425,550

PROCESS OF MAKING ORIENTED REGENERATED PROTEIN PRODUCTS

Harold P. Lundgren, Berkeley, Calif., assignor to the United States of America, as represented by the Secretary of Agriculture

Application April 17, 1943, Serial No. 483,496
5 Claims. (Cl. 18—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. The process of manufacturing thin articles, such as fibers and films, from a protein, comprising treating the protein in aqueous solution with a detergent selected from the group consisting of alkyl aryl sulphonates and alkyl sulphates whereby molecules of the detergent attach themselves to the protein molecules, adding a neutral salt to the resulting solution to precipitate the protein combined with said detergent and deforming the precipitate into a thin article, treating the deformed precipitate with a solvent selected from the group consisting of aqueous acetone and aqueous alcohol to split the detergent protein complex, and recovering the resulting protein article.

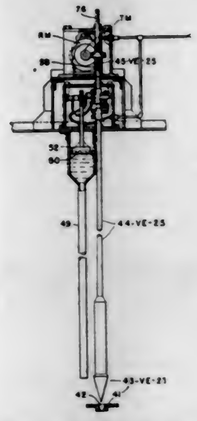
2,425,551

APPARATUS FOR AUTOMATICALLY CONTROLLING DISCHARGE OF SETTLED PARTICLES IN A HYDRAULIC CLASSIFIER

James B. McKay, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware

Application March 31, 1945, Serial No. 585,959
4 Claims. (Cl. 209—496)

1. Automatic control apparatus of the class described for association with an ever-changing pool of suspended solids classified by hindered settling to which solids are continually fed and from which one classified fraction of solids is continually discharged along one path leading from a lower portion of the pool downwardly through a closure-controlled spigot opening leading from a lower portion of the pool while another fraction of such solids in suspension passes along another path leading from an upper portion of the pool, and into the lower portion of which pool hydraulic water under pressure is upwardly delivered to sustain hindered settling conditions within the pool; said automatic control apparatus comprising in operative combination an apertured valve seat providing the spigot opening, a valve element having a vertically extending stem member and a valve plug providing a vertically positionable spigot closure element for regulating the rate of flow through the spigot opening, a density-responsive device functionally disposed with respect to a lower portion of the bed having a density controlled member movable in an outward direction as density conditions increase beyond a selected normal and movable in an inward direction as density conditions decrease therebelow, a reversible electric motor having a forward-operating circuit with a control switch therefor closable by outward movement of said density controlled member and a reverse-operating circuit with a



control switch therefor closable by inward movement of said density controlled member, power transmission means actuated from said motor for moving the valve element in direction from valve seating position when the forward-operating circuit is closed and in an opposite direction when the reverse-operating circuit is closed, and a stationary structure affording support for the motor and transmission means; each switch including a movable circuit-completing contact positionable for switch closing from the density responsive member and a movable circuit disrupting contact positionable for switch-opening from the valve stem; said switches being structurally separated and disposed so that there is a time lag between the opening of any one switch and the closing of the other switch; said apparatus being characterized in that said circuit disrupting contacts are positionably supported from the valve stem through the medium of means comprising a bracket member connected to the valve stem, a slidable member vertically movable along and with respect to the valve stem and from which said circuit disrupting contacts

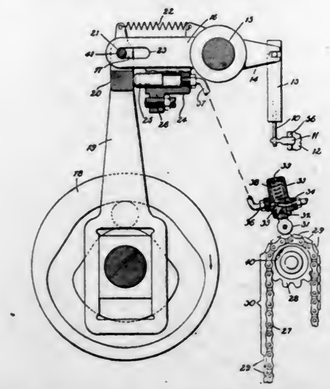
are supported so as to be vertically spaced with respect to each other, and a turnable adjusting screw operatively associated with the bracket member and the slidable member whereby to adjustably position the slidable member relative to the valve stem.

2,425,552

APPARATUS FOR PRODUCING VARIED SPACED CASTINGS ON A MOUNTING

Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.

Original application October 1, 1942, Serial No. 460,364. Divided and this application January 13, 1944, Serial No. 518,195
12 Claims. (Cl. 18—30)



1. In a die casting machine, a mechanism for automatically controlling the spacing of castings on a mounting member, said mechanism comprising a core on which a casting is formed, means for actuating the core to feed a casting formed thereon and the mounting member on which the casting is arranged a predetermined distance in one spacing of one series of castings on said member, and automatically actuated means for controlling the core actuating means to feed the casting and member a distance different from the first feed thereof for another predetermined series of successive casting operations to space the castings of the second series on said member a distance different to the spacing of the first named group of castings formed on said member and with adjacent castings of both series spaced apart a distance equal to the spacing of the castings in one of said series.

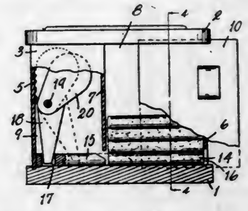
2,425,553

DISPENSER FOR CIGARETTES

Henry E. Musselman and William H. Buck, Kalamazoo, Mich.

Application February 28, 1944, Serial No. 524,286
3 Claims. (Cl. 312—47)

1. In a dispenser for cigarettes and the like, the combination of a box-like receptacle having a transverse partition therein providing a magazine compartment and an ejector compartment, said magazine compartment being provided with a side opening for filling and with a slidable closure for said opening, there being a channel at the bottom of the magazine compartment adapted to receive a single article to be dispensed, said channel being formed by a stepped bottom wall in said ejector compartment, the front wall of said magazine compartment having a discharge opening alined with said channel, an ejector plunger slidable in said channel and having an opening therein adjacent its rear end, and a weighted lever fixed to a pin pivotally mounted within said ejector compartment to engage said opening in said ejector plunger, said weight being



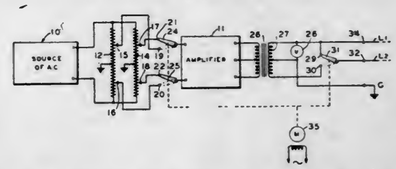
eccentrically fixed on the lever pivot pin to normally retract the ejector plunger when the receptacle is in an upright horizontal position and to actuate the ejector to ejecting position when the receptacle is tilted rearwardly from such a position.

2,425,554

MEANS FOR AND METHOD OF LOCATING FAULTS IN ELECTRICAL CONDUCTORS

Dale H. Nelson, Southampton, N. Y., and James R. Cosby, Towson, Md., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application May 8, 1943, Serial No. 486,163
6 Claims. (Cl. 175—183)



1. The method of locating a fault in a communication line which comprises successively and alternately applying alternating voltages of opposite phase with respect to ground to the faulted line and to a companion unfaulted line, and alternating voltages of the same phase with respect to ground to both lines, and measuring along the lines the field around the lines to determine the point at which the character of such field changes.

2,425,555

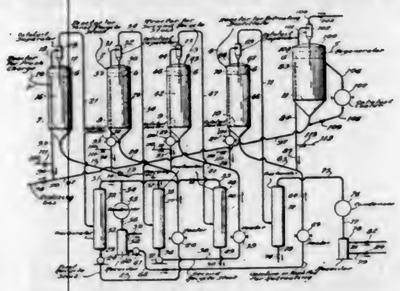
CATALYTIC CONVERSION OF HYDROCARBONS

Edwin F. Nelson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 30, 1943, Serial No. 504,426
4 Claims. (Cl. 196—52)

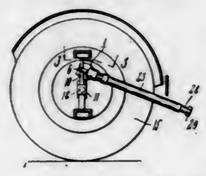
1. A hydrocarbon oil conversion process which comprises maintaining subdivided solid cracking catalyst of progressively increasing activity at cracking temperature in a series of reaction zones, contacting hydrocarbons with the catalyst in each of said zones, independently fractionating the vapors from each zone to separate gasoline fractions from fractions heavier than gasoline, supplying a virgin charging oil heavier than gasoline to the first zone of the series containing the most active catalyst, least active catalyst, supplying to the last zone of

gasoline fractions separated from the vapors from a preceding zone of the series, supplying to an intermediate zone of the series fractions heavier than gasoline separated from the vapors from said first zone, removing contaminated catalyst par-



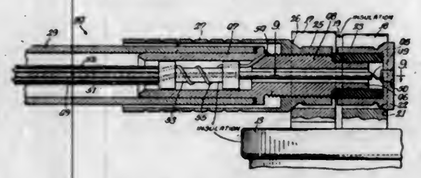
ticles from said first zone and regenerating the same, introducing regenerated catalyst to said last zone, and transferring catalyst particles from the last zone to said intermediate zone and from the intermediate zone to said first zone.

2,425,556
CAMBER ADJUSTING TOOL
Frederik Nielsen, Quincy, Mass.
Application September 21, 1943, Serial No. 503,184
2 Claims. (Cl. 81—15)



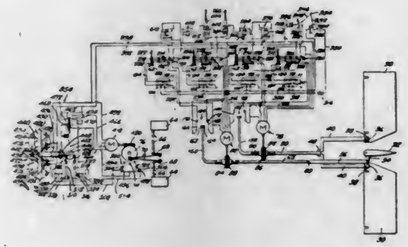
1. A camber adjusting device comprising a shaft, an elongated member journaled on said shaft and having a pair of abutment portions spaced transversely of said shaft for engagement at spaced points with the knuckle support of a knee action mechanism and on one side of said knuckle support, said shaft having an eccentric portion for engagement with the opposite side of said support between said spaced points and being extended on one side of said member, said extended portion having means for engagement by a tool for rocking said shaft about its axis.

2,425,557
PYROMETER
John A. Obermaier, River Forest, Ill.
Application April 10, 1943, Serial No. 482,632
12 Claims. (Cl. 173—328)



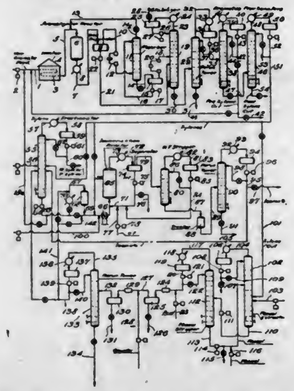
1. In a pyrometer, in combination, a measuring instrument, a pair of instrument terminals on said instrument and insulated from each other, extension means having one end adapted for insertion into and removal from said instrument terminals, and a pair of terminals on the adjacent end of said extension means and insulated from each other, one of said last terminals being movable longitudinally along said extension means for clamping the terminals on said extension means in contact with the terminals on the instrument by pressure applied endwise of said extension means.

2,425,558
DIRECTION CONTROL DEVICE
Gerhard G. Ohlendorf, Whitsett, Tex.
Application March 17, 1943, Serial No. 479,525
2 Claims. (Cl. 102—3)



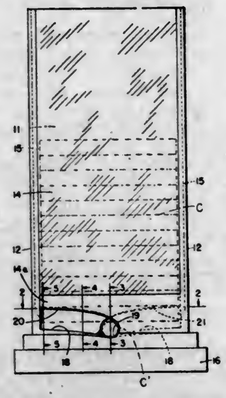
1. In combination, an aerial bomb having airfoils extending the length thereof and circumferentially spaced thereabout, a first rudder means at the rear end of the bomb for controlling the flight of the same in one plane, a second rudder means at right angles to said first rudder means and positioned at the rear end of the bomb for controlling the flight of the same in a plane normal to said first mentioned plane, a first reciprocating means attached to said first rudder means for actuating the same, a second reciprocating means attached to said second rudder means for actuating the same, a first and a second reversible electric motor, mechanical means interconnecting said reversible electric motors with said respective reciprocating means for actuating the same, a source of electrical energy carried by said bomb, a first pair of radio receiver units carried by said bomb for controlling said first reversible electric motor, a second pair of radio receiver units carried by said bomb for controlling said second reversible electric motor, each of said radio receiver units being responsive respectively to radio impulses of different predetermined radio frequencies, an electric relay mechanism controlled by each of said radio receiver units, a pair of said relay mechanisms interposed between said source of energy and each of said reversible motors, respectively, each said relay mechanism of a pair controlling the energization and a direction of rotation of one of said reversible motors, an illuminating flare device attached to said aerial bomb whereby flight of the same may be observed, electromagnetic igniting means for causing ignition of said flare device, electric circuit means associated with said electromagnetic igniting means and with a pair of said relay mechanisms whereby simultaneous actuation of the same by a pair of radio receiver units upon simultaneous receipt of radio impulses by the same will activate said electric circuit means to operate said electromagnetic igniting means.

2,425,559
CATALYTIC CONVERSION OF ALKYL AROMATIC HYDROCARBONS
Herbert J. Passino, Englewood, and Henry G. McGrath, Elizabeth, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 11, 1943, Serial No. 478,814
14 Claims. (Cl. 260—668)



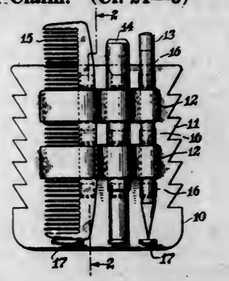
1. A method for improving the motor fuel value of a mixture of poly-alkylated aromatic hydrocarbons which comprises separating a portion of said mixture in which the ratio of poly-alkylated aromatic hydrocarbons having alkyl groups attached to adjacent carbon atoms in the benzene ring to those having alkyl groups attached to non-adjacent carbon atoms is greater than in the original mixture, and subjecting said separated portion to isomerization treatment with a catalyst comprising hydrogen fluoride as the essential ingredient to convert said poly-alkylated aromatic hydrocarbons to isomers thereof having no alkyl groups attached to adjacent carbon atoms in the benzene ring.

2,425,560
AUTOMATIC ARTICLE DISPENSER
Harry Wayne Purdy, Long Beach, Calif.
Application April 8, 1946, Serial No. 660,474
6 Claims. (Cl. 312—45)



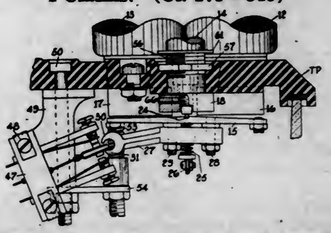
1. An article dispenser comprising a storage compartment arranged to contain a plurality of similar elongated articles disposed with their long axes in horizontal position; and a discharge compartment below said storage compartment, said discharge compartment comprising a throat adapted to permit passage therethrough of a single article at a time, a discharge trough extending through said compartment at right angles to and beneath said throat, and a discharge floor consisting of two oppositely disposed downward sloping surfaces each extending from a wall of the throat and sloping into said trough, whereby an article in said trough supports the next above article located in the throat, and whereby upon removal of said article in the trough the next above article slides into the trough, one end of said article following the left-hand-downward sloping surface and the other end following the right-hand-downward sloping surface.

2,425,561
POCKET PEN AND PENCIL PROTECTOR
Frederick W. Quidas, New York, N. Y.
Application December 12, 1945, Serial No. 634,447
1 Claim. (Cl. 24—3)



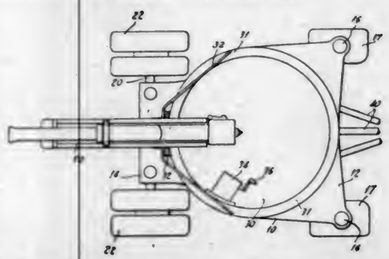
A device, as described, comprising a flexible member, sleeves arranged upon the latter, projecting portions integral with said flexible member and cooperating with said sleeves, supporting means below the latter, and means formed upon said flexible member whereby to engage the inside of a pocket, said means consisting in sawtooth edges formed upon each side of the flexible member.

2,425,562
RELAY WITH ADJUSTABLE ARMATURE MOUNTING
Frank X. Rees, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 29, 1944, Serial No. 528,556
4 Claims. (Cl. 175—345)



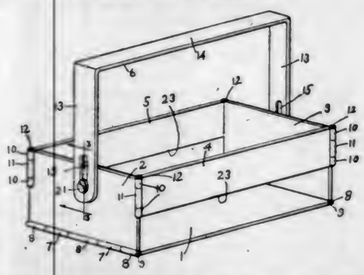
1. In relays, in combination, a top plate, a pole piece extending through and fastened to the plate, a faced pole shoe on one end of the pole piece, a core receiving socket in the other end of the pole piece, a receiving slot in the face of the shoe, a pivot bearing bar slidable in the slot, a threaded opening connecting the bottom of the socket to the base of the slot, and an adjusting screw in the opening and bearing against the bar.

2,425,563
MOBILE GUN MOUNT
Jacques Marcel Jules Riboud, Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y., a corporation of Maryland
Application March 18, 1944, Serial No. 527,372
1 Claim. (Cl. 89—40)



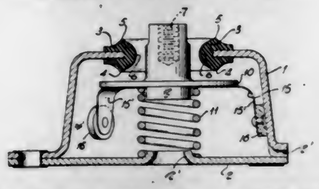
A mobile artillery mount, a gun thereon, the mount having a body portion one end of which has axle means and ground-engaging wheels thereon for mobile support, the other end of which body has a pair of individually adjustable ground-engaging jack legs, said body portion having a circular well for occupancy in operating the gun, the gun being mounted on the periphery of said well for movement about the total periphery of the well in azimuth.

2,425,564
CARRIER FOR BOTTLES AND THE LIKE
Jacob Ring, Brighton, Mass.
Application April 5, 1946, Serial No. 659,967
1 Claim. (Cl. 224—48)



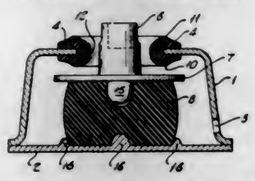
A bottle carrier comprising a bottom member of sheet material having at each end edge only a plurality of cylindrical ears, each ear having an axial opening, the side edges of the bottom member being smooth and free from similar ears, an end member at each end of the bottom member, each end member having on its bottom edge a plurality of cylindrical ears adapted to register with the ears on the bottom member, each end member also having at the upper portion only of each vertical edge a cylindrical ear, a relatively narrow side member at each side of the carrier extending from one end member to the other and provided at each end with a cylindrical ear which registers with a similar ear on the end member, each side member having a vertical dimension less than that of the end members and the bottom edge of each side member being spaced from the corresponding side edge of the bottom member, all of the cylindrical ears on the end members and side members having axial openings, removable connecting pins extending through the aligned openings of the registering ears on the bottom member and end members and also through the axial openings of the registering ears on the end members and side members, and a bail-shaped handle member having its legs detachably and adjustably secured to the end members the removability of the pins providing for disassembling the bottom ends and sides so that similar parts of a plurality of containers may be arranged in piles for shipment or storage.

2,425,565
VIBRATION ABSORPTION UNIT
Cecil S. Robinson, New York, N. Y.
Application December 15, 1945, Serial No. 635,302
5 Claims. (Cl. 248—358)



3. In a vibration absorption mount, the combination of a casing having an opening, a stud loosely mounted within said opening, a resilient member supporting said stud to absorb vibration, and resilient pads secured to said stud for frictional engagement with the interior of the casing in the event of substantial vibration, said pads being sufficiently resilient to provide for absorption of minute vibrations by deformation in shear without sliding.

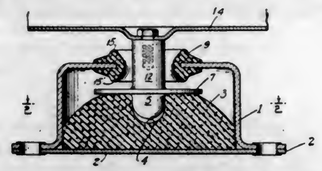
2,425,566
VIBRATION ABSORPTION BLOCK
Cecil S. Robinson, New York, N. Y.
Application December 15, 1945, Serial No. 635,303
4 Claims. (Cl. 248—358)



1. In a vibration absorption unit, the combination of a casing, said casing having an opening, an elastic grommet in said opening, a stud extending into the casing thru said grommet, there being clearance between the stud and the grommet under normal conditions of small vibration, a flange on said stud, a block of resilient material supporting said flange and stud, lateral supporting means for said block, the inner side of said elastic grommet serving to limit lateral deflection of the stud and resilient block under excessive lateral impacts, and the upper and lower sides of said grommet serving as vibration absorptive buffers and limit stops.

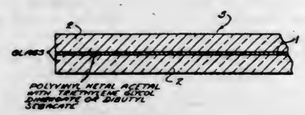
2,425,567
VIBRATION ABSORPTION DEVICE
Cecil S. Robinson, New York, N. Y.
Application December 15, 1945, Serial No. 635,304
6 Claims. (Cl. 248—358)

6. In a vibration absorption device, the combination of a load supporting member, a flange on said member, a cushioning member on one side of said flange, said cushioning member having an opening thru which the supporting member extends so that it may be cushioned against lateral displacement, said cushioning member also having tapered cushioning edges



adapted to restrain the flange under excessive vibration, a larger tapered cushion on the other side of said flange, said larger cushion having a depression into which the supporting member projects, said larger cushion tapering outward, and a housing retaining the broader portion of said outwardly tapered cushion.

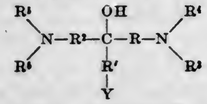
2,425,568
LAMINATED SAFETY GLASS
Joseph D. Ryan, Toledo, Ohio, and Fred B. Shaw, Jr., Baltimore, Md., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 21, 1942, Serial No. 435,714
8 Claims. (Cl. 154—2.77)



1. Laminated safety glass comprising two sheets of glass, and an interlayer of plastic material bonded therebetween composed of a synthetic polyvinyl ketal acetal resin made by reacting a partially or wholly hydrolyzed polyvinyl acetate (the viscosity of the polyvinyl acetate used as a starting product having a minimum viscosity of 7 centipoises in molar benzene solution at 60 degrees F.) with methyl ethyl ketone and butyraldehyde and characterized by the fact that the vinyl alcohol content of the resin (calculated as polyvinyl alcohol) ranges between 10 and 28 percent and the vinyl acetate content of the resin (calculated as polyvinyl acetate) is less than 5 percent, and a high boiling point plasticizer therefor.

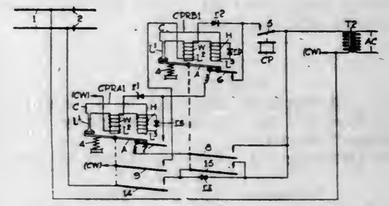
2,425,569
HYDROFLUORIC SALTS OF BASIC TRIARYLMETHANE DYESTUFFS
Arthur E. Schaefer, Loudonville, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 2, 1946, Serial No. 681,134
8 Claims. (Cl. 260—388)

1. Hydrofluoric acid salts of basic triarylmethane dyestuffs of the formula:



wherein R, R′ and R^2 represent aryl groups, R^3 represents a member of the group consisting of alkyl and aryl groups, R^4, R^5 and R^6 represent a member of the group consisting of hydrogen, alkyl and aryl groups, and Y stands for a member of the group consisting of hydrogen and amino groups.

2,425,570
SWITCH SYSTEM TO PREVENT ARCING OF CONTACTS
Marcian A. Scheg and Oscar H. Dicke, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application October 22, 1942, Serial No. 462,965
8 Claims. (Cl. 175—294)

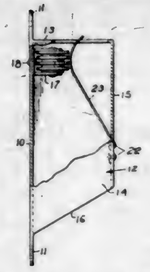


1. Apparatus for respectively closing and opening an alternating current load circuit wholly automatically by said apparatus in a manner to prevent sparking comprising, means including an asymmetric unit for closing a load circuit through such asymmetric unit at that part of a cycle of said alternating current when current flows in a direction so that the resistance imposed by said unit is a maximum and for thereafter wholly automatically closing a by-pass partial circuit around said unit at that part of a cycle of said alternating current when such current flows in a direction so that the resistance imposed by said unit is a minimum, means including said means for opening said alternating current load circuit by inserting said asymmetric unit in said load circuit by removing such by-pass partial circuit at that part of a cycle of said alternating current when current flows in a direction so that the resistance imposed by said unit is a minimum and which then opens the said load circuit including said unit at that part of a cycle of said alternating current when current flows in a direction so that the resistance imposed by said unit is a maximum, and means for controlling both of said means by alternating current from the same alternating current source as that from which said load circuit is supplied.

2,425,571
COMBINATION HOLDER AND SHARPENER FOR KITCHEN KNIVES
Lawrence M. Simonson, Los Angeles, Calif.
Application November 7, 1946, Serial No. 708,211
1 Claim. (Cl. 76—87)

A device of the character described, comprising a back portion, a box-like body having a top, side and front walls and an open bottom formed integral with said back portion, a plurality of slots in the top of said body parallel to each other and to the side walls of the body, and relatively spaced from each other and from the side walls of the body, a sharpening means secured to the inner surface of the back portion adjacent the top of the body and in alinement with one of said slots and a spring means secured to the inner surface

of the front wall of said body in alinement with and extending upwardly out of one of the slots



to force a knife inserted in said slot into engagement with said sharpener.

2,425,572
ALKYLATION
Ober C. Slotterbeck, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 28, 1942, Serial No. 436,613
4 Claims. (Cl. 260—683.4)

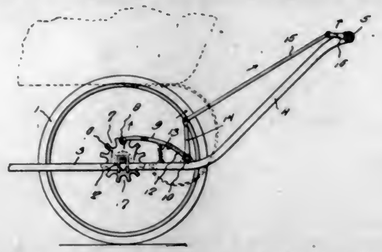
2. In a process of alkylating isoparaffins with olefins using a concentrated sulfuric acid catalyst, the improvement which comprises maintaining in the sulfuric acid catalyst a minor amount of chlorosulfonic acid sufficient to promote the reaction.

2,425,573
SEPARATION OF THORIUM AND THE RARE-EARTH GROUP FROM MINERALS
Frederick Soddy, Enstone, England
No Drawing. Application November 12, 1941, Serial No. 418,848. In Great Britain November 28, 1940
6 Claims. (Cl. 23—19)

3. A process for the production of rare earth compounds and thorium concentrates from monazite which comprises dissolving monazite in sulphuric acid, then adding water in sufficient amount to bring about solution of the rare earth compounds and thorium adding phosphoric acid and relatively concentrated sulphuric acid to the resulting solution in sufficient quantity and concentration to cause rare earth sulphates to crystallize out substantially free from thorium, separating the rare earth sulphate crystals from the solution, washing the crystals and adhering liquor with diluted sulphuric acid of sufficient concentration not to redissolve the crystals and of sufficient dilution not to precipitate thorium compounds from the adhering liquor, separating the crystals from the washing liquor, combining the washing liquor with the mother liquor, evaporating water from the resulting solution to cause thorium concentrates to deposit from the mixture of concentrated sulphuric and phosphoric acids thus produced, separating the deposited thorium concentrates from the mixture of concentrated acids and dissolving a further quantity of monazite in the mixture of concentrated phosphoric and sulphuric acids so recovered.

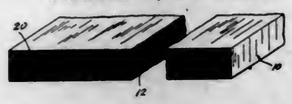
2,425,574
BRAKE FOR BABY CARRIAGES
John F. Stewack, Downers Grove, Ill.
Application August 24, 1945, Serial No. 612,441
3 Claims. (Cl. 188—20)

1. A wheel vehicle consisting of traction wheels and a rotatable propelling handle; peripherally grooved discs mounted concentrically on said wheels and adapted to revolve therewith, a transverse rocker shaft mounted on the under frame of said vehicle and provided with a rocker arm pivotally connected to said rotatable vehicle handle; longitudinally disposed bifurcated arms revolvably mounted on said rocker shaft and provided with transversely disposed rollers mounted in the



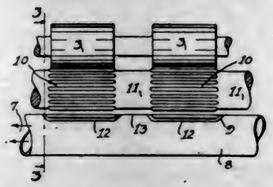
bifurcations of said arms and adapted normally to seat in grooves in said discs and prevent rotation thereof; lifting fingers secured to said rocker shaft and engaging the undersides of said bifurcated arms and coiled springs interposed between said arms and the under-frame of the vehicle and adapted normally to effect engagement of the said rollers and grooves.

2,425,575
BELT
Paul D. Suloff, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application January 15, 1943, Serial No. 472,455
4 Claims. (Cl. 74—237)



1. A drive or conveyor belt comprising a body portion of rubber material, a longitudinally-extending load-carrying layer of flexible steel cables embedded in the body portion, longitudinally-extending load-carrying textile cords positioned at the edges of the layer of steel cables, and transversely-extending fabric weft cords tying together the layer of cables and longitudinally-extending cords.

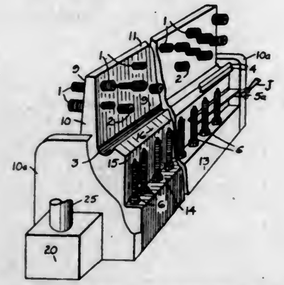
2,425,576
SUCTION CLEANING DEVICE FOR SPINNING MACHINES AND THE LIKE
Meinard F. Thoma, Fitchburg, Mass.
Application June 23, 1944, Serial No. 541,807
2 Claims. (Cl. 19—139)



1. A device for collecting and removing broken ends in machines for performing a textile operation on roving, comprising in combination cooperating rolls for passing roving therebetween,

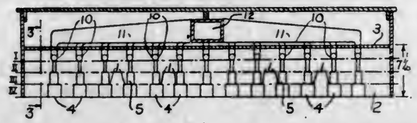
a suction element extending longitudinally of the rolls, said element being connected to a source of suction at one end and closed at its other and providing a continuous longitudinally extending slot of irregular form having portions extending parallel to the roll surfaces for collecting and removing broken ends from the rolls, and other portions offset with respect to said first named slot portions for removing loose fly, lint and other waste material resulting from the textile operation.

2,425,577
TEXTILE MACHINE CONSTRUCTION
Meinard F. Thoma, Fitchburg, Mass.
Application September 29, 1944, Serial No. 556,307
4 Claims. (Cl. 57—56)



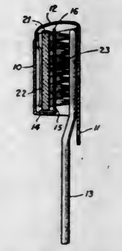
1. A textile machine construction comprising a series of spindles for supporting packages of filamentary material such as roving, a second series of spindles, means for driving said second series of spindles for the formation of yarn packages thereon, means for causing the performance of a textile operation on said material, and shielding members presenting a series of unbroken planes completely enclosing all parts of the machine except for said spindles, the packages of material thereon and the means for performing the textile operation.

2,425,578
METHOD OF AND APPARATUS FOR AIR CONDITIONING OF SPINNING OPERATIONS AND THE LIKE
Meinard F. Thoma, Fitchburg, and Louis M. Cotchett, Hingham, Mass.
Application June 14, 1945, Serial No. 599,410
5 Claims. (Cl. 57—34)



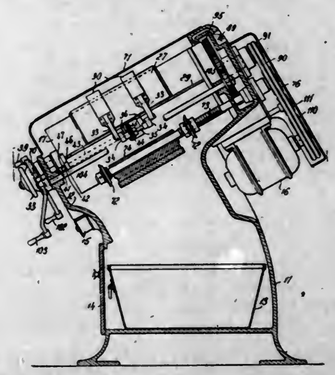
1. The improvement in the air conditioning of a complete textile operation as performed in a closed room by a large number of similar machines each adapted to perform a similar textile operation involving for each machine a roving supply a drafting process and twisting and packaging process, which consists in conditioning air to a predetermined degree as to relative humidity and temperature and introducing such conditioned air simultaneously to all of said machines in a plurality of separate downwardly directed streams to all of said machines so that the relative humidity is greatest and the temperature lowest at the roving supply and with the relative humidity gradually diminishing and the temperature increasing at said drafting, twisting, and packaging processes, in the same degree with respect to each machine to positively control the regain of the yarn and thereby obtain a uniform product from the textile operation accompanied by upward exhaust of the used air from between the machines.

2,425,579
TOOTHBRUSH HOLDER
John Alexander Toombs, Grande Prairie, Alberta, Canada
Application Sept. 22, 1944, Serial No. 555,368
2 Claims. (Cl. 206—15.1)



2. In a tooth brush holder as described comprising a case open at the bottom, a lip extending inwardly from the lower edge of the front wall of said case, a brush holder frame comprising a plurality of spaced vertical bars connected at their upper and lower ends by horizontal bars, said holder having its lower end bent at right angles to provide a horizontal portion secured to said lip, a disinfectant holder disposed between said brush holder frame and the front wall of said case, and a flat spring secured to the front wall of said case and exerting pressure on said disinfectant holder to force the latter into contact with the bristles of the brush and hold the brush head against the back wall of said case.

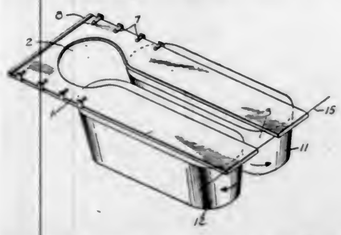
2,425,580
REGISTERING AND TRIMMING OF PRINTING PLATES
Isidor Tornberg and Charles L. Ricards, Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application November 4, 1943, Serial No. 508,914
4 Claims. (Cl. 29—21)



1. In a curved stereotype plate supporting mechanism, the combination with a carrier

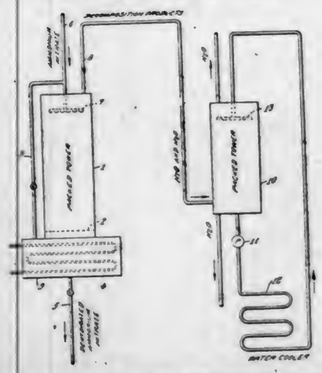
mounted to rotate about an axis, a plate carrying cylinder mounted on said carrier concentric with said axis, means for removably securing a curved stereotype plate to the surface of said cylinder, means for adjustably moving said cylinder circumferentially with respect to said carrier, a plurality of fixed register pointers adjustably mounted adjacent the surface of said cylinder, and means for rotating said cylinder.

2,425,581
STRETCHWRAPPING DEVICE
Joseph F. Vincent, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 5, 1945, Serial No. 614,549
2 Claims. (Cl. 18—19)



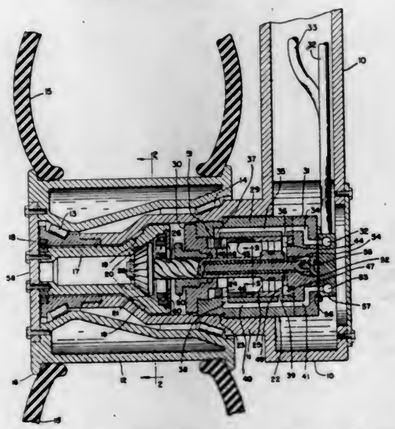
1. Stretchwrapping equipment which includes a table with an opening therein for the passage therethrough of an object pushed against film which covers the opening, and extending from the opening to one edge of the table an elongated opening, and adjacent said elongated opening and toward opposite sides thereof two continuous belts of resilient material for pressure against an object wrapped in the aforesaid film, said belts at the elongated opening being adapted for continuous movement away from the first-mentioned opening at different rates of speed so as to twist the object enclosed in the film.

2,425,582
PRODUCTION OF NITROUS OXIDE
Raymond A. Vingee, Geddes, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application May 24, 1945, Serial No. 595,520
11 Claims. (Cl. 23—158)



4. A continuous process for simultaneously producing nitrous oxide and dehydrating ammonium nitrate which comprises maintaining a body of ammonium nitrate in a zone under temperature conditions within the range 220° to 290° C., introducing liquid ammonium nitrate containing from 0.5% to 10% of water at a temperature of 95° to 200° C. into a second zone, flowing the ammonium nitrate in film form through said second zone to said body of molten ammonium nitrate, passing the hot products of decomposition from said body of ammonium nitrate through said second zone countercurrent to flow of ammonium nitrate therethrough, and withdrawing at least partially dehydrated ammonium nitrate from said body.

2,425,583
WHEEL ROTATING MECHANISM
Edward W. Volk, St. Louis, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application June 15, 1945, Serial No. 599,597
2 Claims. (Cl. 244—103)

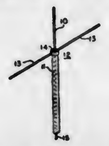


1. In a drive mechanism for rotating an aircraft wheel, a tubular support upon which the wheel is rotatably mounted, a first clutch element journalled within the tubular support and provided with bearing means holding it against axial displacement therein, the outer end of said clutch element being connected to the wheel, a second clutch element engageable with the first clutch element within the tubular support, a helically threaded member within the tubular support and coaxial with the wheel, and a piston connected to said member for reciprocating said member, the latter being threaded to the second clutch element for moving the same axially into clutch engagement with the first clutch element and thereafter rotating the first clutch element by and upon axial movement of the piston and member in one direction, and for moving the second clutch element axially from such clutch engagement by and upon axial movement of the piston and member in the opposite direction.

2,425,584
CONDITIONING SULPHURIC ACID SLUDGE
Edward F. Wadley and Joseph T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 26, 1945, Serial No. 590,502
3 Claims. (Cl. 260—683.4)

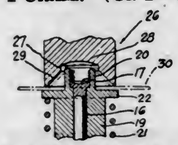
1. In a process wherein concentrated sulfuric acid is employed as the catalyst in an alkylation reaction and sulfuric acid containing substantial amounts of carbonaceous materials is withdrawn as spent catalyst from the process and sent to storage, the step of subjecting the sulfuric acid containing carbonaceous material to a temperature within the range of 100° to 120° F. for an interval of time no less than 5 hours immediately after it is withdrawn from the alkylation process.

2,425,585
WAVE-SIGNAL ANTENNA
Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 13, 1943, Serial No. 514,072
23 Claims. (Cl. 250—33)



1. In a system for translating wave signals within a predetermined relatively narrow range of wave lengths, an antenna comprising, an antenna conductor supported for operation at the end of a nearby exposed conductor and extending therefrom, whereby said nearby conductor may undesirably guide energy away from said antenna conductor, and a unitary electrically conductive structure positioned in the adjacent space between said conductors and conductively connected with said exposed conductor, said structure including a plurality of conductive members each extending radially from said antenna conductor and each having an effective electrical length of an odd number of quarter-wave lengths plus an incremental length at a predetermined wave length in said range, the incremental lengths of said members having such values as to provide substantially optimum cancellation of the inductive coupling between said conductors within said predetermined range, thereby to provide an antenna having a resonant wave-signal shield which substantially reduces the undesirable guiding of energy by said nearby conductor away from said antenna conductor within said predetermined range.

2,425,586
SPOT SETTING DEVICE
George Wolff, New York, N. Y.
Application July 13, 1946, Serial No. 683,561
1 Claim. (Cl. 1—4)



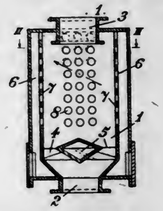
A household device including superposed die members cooperating with each other to flatten a rivet or the like on a flexible member after driving the rivet therethrough, a guide member for the rivet mounted on the lower die member, a spring urging the guide member to an upper position in which the guide member forms a rivet holder for the lower die member, the upper die member having a relatively large tapered entrance for the lower die member, and the guide member having an annular shoulder adapted to abut the upper guide member at said entrance whereby the guide member is depressed by the upper die member as it descends to riveting position.

2,425,587
FISHHOOK
Gerasim A. Zuravsky, Cleveland, Ohio
Application January 15, 1946, Serial No. 641,226
1 Claim. (Cl. 43—40)



In a device of the character described, a spring clamp secured to the shank of a fish hook, said shank comprising manually operated and bait securing members, the bait securing members of said clamp being positioned between said shank and the barbed extremity of the hook and adapted to partially embrace a live bait and to exert spring pressure thereon upon operation of said manually operated members, said manually operated members each having a barbed end portion extending from the opposite side of said fish hook and in the same direction as said barbed end of said fish hook.

2,425,588
VORTEX DUST SEPARATOR
William Alexander, Glasgow, Scotland
Application June 22, 1945, Serial No. 600,903
In Great Britain March 28, 1945
7 Claims. (Cl. 183—94)

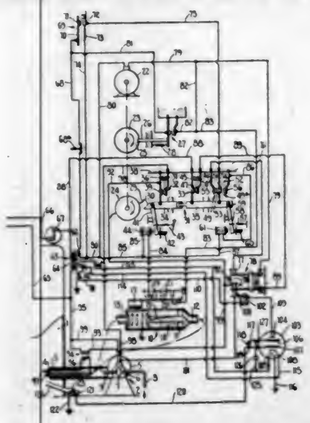


1. A vortex dust separator for separating dust from whirling dust-laden gas passing therethrough comprising a vortex chamber through which said dust-laden gas whirls during its passage, a dust receiver, and a partition between said vortex chamber and said receiver, said partition being provided with orifices through which dust passing through said chamber may pass to said receiver, said orifices being disposed in said partition so as to extend in the direction from the inlet end towards the outlet end of said vortex chamber, the wall of at least one of said orifices in said partition nearer the outlet end extending at an angle which is inclined from the chamber to the receiver in the direction of the gas flow, and which reacts with the flow of dust-laden gas to cause an aerodynamic increase of gas pressure in the receiver at the outlet end thereof relative to the inlet end.

2,425,589
FUEL PRESSURE RESPONSIVE BURNER CONTROL SYSTEM
Fred B. Aubert, Grosse Pointe, Mich.
Application August 25, 1941, Serial No. 408,139
21 Claims. (Cl. 158—28)

1. In a fluid fuel burning apparatus, a burner, a motor, means driven by said motor to supply fuel to said burner, means to ignite the fuel dis-

charged at said burner, means actuated substantially coincident with the discharge of an ignitable amount of fuel from said burner to deen-



ergize said motor to ultimately deactivate said fuel supply means, and means operable substantially coincident with ignition of the fuel to further establish the supplying of fuel.

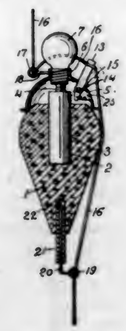
2,425,590

ELECTRIC FISHING FLOAT

George H. Bidwell, Kansas City, Kans., assignor of one-half to Gervas E. Bellamy, Bethel, Kans.

Application August 11, 1945, Serial No. 610,311

2 Claims. (Cl. 43—17)



2. In an electric fishing float, in combination with a buoyant supporting float body of nonconductive material having in its upper end a vertical recess, and a battery cell removably mounted in said recess with its upper end projecting therefrom and having a contact and a conductive periphery, of a hollow metal cap hinged at its periphery to the periphery of said float body so as to swing to and from a closed position covering the upper end of said float body, and having a central internally threaded socket, an electric lamp removably fitted in said socket and having at its lower end a contact in contact with said battery cell contact when said cap is closed, means for releasably locking said cap in the closed position, means on the outer side of said cap for fastening thereto a fishing line, and means attachable to the fishing line for closing the circuit between said cap and the periphery of said battery cell, to cause said lamp to illuminate when said cap is closed and a sufficient downward pull is exerted on said fishing line.

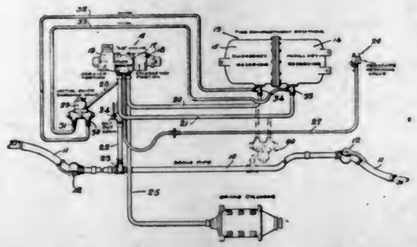
2,425,591

INITIAL QUICK CHARGING VALVE FOR FLUID PRESSURE BRAKES

Thomas H. Birch, Wauwatosa, Wis.

Application May 3, 1945, Serial No. 591,802

3 Claims. (Cl. 303—64)



2. In a fluid brake system for railroad cars, wherein two reservoirs are adapted to be charged with fluid to predetermined pressures from a source of fluid supply for operating the brakes, mechanism for initially and quickly charging both of said reservoirs from said source of fluid supply comprising a valve construction having two valved outlets, each connected to a reservoir and so constructed and arranged to selectively charge the individual reservoirs at pressures in accordance with the individual settings of the valved outlets, a brake actuating valve, and means included in said actuating valve whereby charging of said reservoirs is completed.

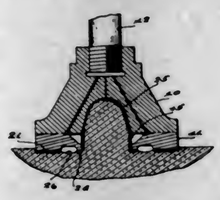
2,425,592

SUCTION METHOD OF GATHERING MOLTEN GLASS

George R. Bowe, Jr., Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 17, 1943, Serial No. 483,433

6 Claims. (Cl. 49—77)



1. The method which comprises projecting a mass of molten glass upwardly above the surface of a pool of the molten glass, giving said mass a predetermined shape while integrally united with the glass in the pool, chilling a surface portion of the glass in the pool surrounding said mass and spaced therefrom, leaving an intermediate annular surface portion of the glass in the pool surrounding said mass and surrounded by said chilled surface portion, maintaining the glass in said intermediate annular surface portion unchilled, and thereafter lifting said shaped mass bodily away from the pool and causing the glass connecting said mass to the supply body to be necked in.

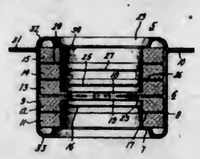
2,425,593

ELECTRIC DISCHARGE DEVICE AND ELECTRODE ASSEMBLY THEREFOR

William S. Brian, Owensboro, Ky., assignor to General Electric Company, a corporation of New York

Application June 15, 1945, Serial No. 599,712

15 Claims. (Cl. 250—27.5)



1. An electrode assembly comprising a plurality of electrodes having generally planar active surfaces and marginal supporting portions, a plurality of spacers assembled in a stack with said marginal portions received between the various spacers to support said electrodes in mutually spaced and insulated relation, and a pair of metal retaining members positioned in engagement with the opposite ends of said stack, said retaining members having portions bonded together to form a unitary structure for holding said electrodes and spacers in assembled relation.

2,425,594

SUBMARINE SIGNAL MICROPHONE

William J. Brown, West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 4, 1943, Serial No. 477,922

4 Claims. (Cl. 177—386)



1. A submarine signaling device comprising a foundation plate adapted to be mounted on the hull of a ship and responsive to vibrations transmitted therein, a pair of similar piezoelectric crystal translating units secured to opposite faces of said plate and responsive to vibrations transmitted to said plate by said hull, and diaphragm means for driving only one of said crystals in response to submarine signals.

2,425,595

SUPPORTING MEANS FOR THE MOVING ELEMENTS OF ELECTRICAL INDICATING INSTRUMENTS

Howard Butler, Walsall, England

Application November 29, 1944, Serial No. 565,642

In Great Britain September 3, 1943

7 Claims. (Cl. 171—95)

1. In a measuring instrument having a tubular casing containing the operating gear, and having a dial extending across one end of the casing with a pivotally movable indicator arm controlled by the operating gear movable across the outer side of the dial, the combination of a casing, an assembly plate secured across one end of the casing, a supporting member having a portion moulded in the thickness of said assembly plate, said supporting member projecting from



one side of the assembly plate, and operating mechanism for the instrument mounted on said supporting member, said assembly plate being withdrawable from the casing together with said operating mechanism.

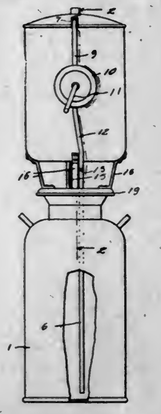
2,425,596

MILK COOLER

James Franklin Carter, Alice, Tex.

Application June 14, 1944, Serial No. 540,187

2 Claims. (Cl. 257—215)



1. In a cooling apparatus, a refrigerant containing receptacle, a liquid container closure on which the receptacle is mounted for supporting it thereabove, a conduit having ends projecting from the inner side of the closure and positioned thereby for submersion in the liquid contents of a container, on which the closure is mounted, said conduit having a coiled portion disposed in the receptacle and a leg disposed on the exterior thereof, and manually operated transfer means interposed in said leg for circulating a liquid, into which the ends of the conduit extend, through said conduit.

2,425,597

METHOD OF SULPHURATION

John W. Church, Mount Lebanon, Pa., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

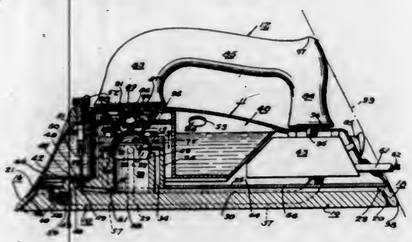
No Drawing. Application April 14, 1942, Serial No. 438,905

2 Claims. (Cl. 106—223)

1. The herein described method of producing light colored sulphurized products from starting materials selected from the group consisting of

the unsaturated fatty acid triglycerides, the unsaturated oil soluble thermoplastic resins, and mixtures of them, by agitating a starting material so composed in a prepared reaction bath composed of elemental sulphur dissolved in a liquid organic solvent therefor while keeping the batch composed of the said reaction bath and starting material within the approximate temperature range of 330° F. to 410° F., and carrying vulcanization of the starting material to a stage in which the batch thickens and hydrogen sulphide is evolved.

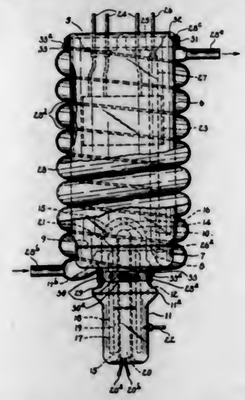
2,425,598
STEAM ELECTRIC IRON
Henry Walter Clum, Upper Darby, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 30, 1944, Serial No. 538,022
4 Claims. (Cl. 38—77)



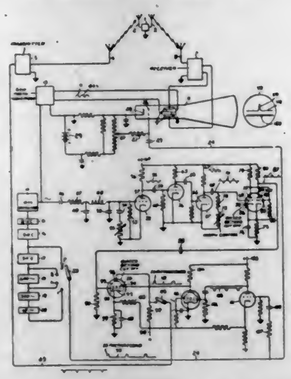
1. A steam iron comprising a soleplate having a front jet group, opposite side jet groups, and a rear jet group, means for heating said soleplate, a source of steam, valve means for directing steam from said source to the said jet groups, selectively, a member for transmitting motion to the iron in performance of the ironing function, said member having lost motion with respect to the sole plate so that each movement of the iron so transmitted is preceded by a movement of the member in substantially the same direction and with respect to said plate, and means for operatively associating the member with the valve means so that each said preceding movement of the member actuates the valve means to direct steam to a predetermined jet group, said member being movable from a neutral position, wherein the valve prevents passage of steam to any of said groups, into each of a plurality of open positions admitting steam respectively to said groups, and also from each of said open positions directly to the open positions immediately adjoining.

2,425,599
FLEXIBLE, RUBBERLIKE JACKET FOR LIQUID COOLING OF GLASS TUBES
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 22, 1946, Serial No. 663,772
12 Claims. (Cl. 250—27.5)

1. In combination, a mercury pool type discharge device comprising an all-glass evacuated tube the main body portion of which is of substantially cylindrical form, said tube having a lower end portion of substantially reduced diameter, an envelope of flexible, rubber-like material surrounding said main body portion of the tube, means for mechanically clamping one end of said envelope peripherally in liquid-tight relation to the upper end of said main body portion and means for similarly clamping the other end of said envelope to the reduced lower end portion of said tube, means comprising a wire the opposite ends of which are attached to the respective clamping means, the intermediate portion of said wire being wound in spiral form around said envelope, whereby a spiral liquid passage is formed between the latter and the main body portion of said tube from one end thereof to the other, means providing a liquid inlet at one end of said spiral passage, and means providing a liquid outlet at the other end of said spiral passage.

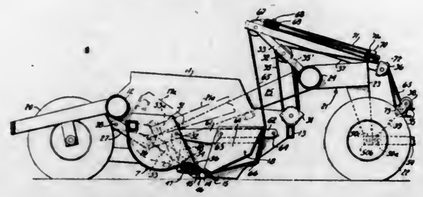


2,425,600
PULSE RELAY TESTING SYSTEM
John C. Coykendall, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 14, 1942, Serial No. 468,885
4 Claims. (Cl. 250—15)



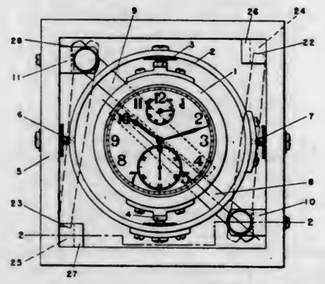
1. In combination, a source of oscillations of high frequency, means to generate from said oscillations short pulses of the same frequency and of duration short relative to a half cycle of said oscillations, means to generate from said oscillations independently of said last means longer pulses having a frequency equal to a subharmonic of said oscillations and having duration greater than half but less than a full period of said oscillations, an electron discharge device having an output circuit, means to supply both said short and longer pulses to said discharge device, means to bias said discharge device to be non-conductive in the presence of either said short or said long pulses and to be conductive in the presence of both said short and longer pulses together to an extent dependent upon the combined effect of said longer pulse and any short pulse occurring during such longer pulse, and means to vary the time of occurrence of said short pulse in an instant one of said longer pulses, whereby said short pulses are reproduced in the output of said discharge device with said subharmonic frequency and with variable phase.

2,425,601
SCRAPING APPARATUS
Gordon E. Daniels, Nashville, Tenn.
Application January 29, 1944, Serial No. 520,167
21 Claims. (Cl. 37—126)



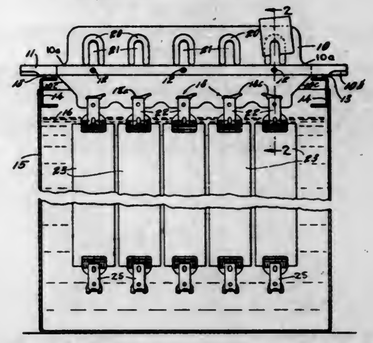
1. In a scraping apparatus, the combination comprising a scraper frame adapted to be moved along the ground, a scraper blade carried by said frame, means carried by said frame forming a floor coextensive with said blade, a receptacle adapted to receive material scraped by said blade and having a cutting edge thereon, means carried by said frame for supporting said receptacle for movement about an axis located above said floor whereby to guide said cutting edge over and adjacent said floor, and means for moving said receptacle back and forth over said floor during movement of said scraper along the ground.

2,425,602
CANTILEVER SUPPORT FOR GIMBAL CARRIED INSTRUMENTS
Ernest William Drescher, Manheim Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application January 13, 1945, Serial No. 572,686
10 Claims. (Cl. 248—114)



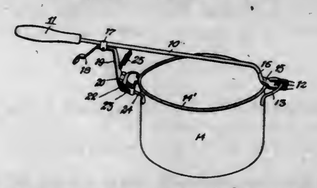
10. A support for timepieces comprising a housing box, a gimbal suspension pivotally supporting said timepiece and pivotally supported in opposite sides of said box, the axes of said pivotal suspensions being at right angles to each other, a pair of cantilever arms pivotally mounted on said housing box, means for moving said arms vertically and in an arc, means limiting the extent of vertical movement, means limiting the movement of either of the arms through its arc, each of said arms serving to lock the other arm at a position substantially midway between the axes of suspension of said gimbal.

2,425,603
FILM HANGER
Harry M. Dye and Ralph B. Maddock, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application April 13, 1944, Serial No. 530,918
10 Claims. (Cl. 95—100)



1. A hanger for film-clips or holders having in combination, an elongated sheet of material, a support for said sheet projecting at each end thereof, said sheet having formed therein adjacent its lower edge a plurality of spaced slots, each adapted to receive a film-supporting clip each of said slots having a supporting portion and a communicating laterally extending receiving portion communicating therewith, said sheet having an opening extending from each of said supporting portions to the lower edge of said sheet, said sheet being somewhat flexible and resilient so that a clip formed of a flat strip having a loop at its top may be passed through said opening with the sides of said opening spread apart and may be passed edgewise into said receiving portion and then reversely moved to be disposed wholly in said supporting portion and a plurality of spaced means adjacent the upper edge of said sheet and formed integral with said sheet for holding sheets of data, said means being respectively aligned vertically with said slots.

2,425,604
HANDLE FOR COOK POTS
Herman Eckhoff, Cedarhurst, N. Y., assignor of one-half to Harry Jacobs, Cedarhurst, N. Y.
Application December 7, 1945, Serial No. 633,384
2 Claims. (Cl. 294—28)



1. A pot lifter which comprises a rod to be disposed over the top of a pot, two laterally spaced fingers on said rod to lie beneath the handle of the pot and a single finger disposed medially over the two lower spaced fingers and adapted to lie over the handle of the pot, the rod adjacent the fingers being curved to form a portion adapted

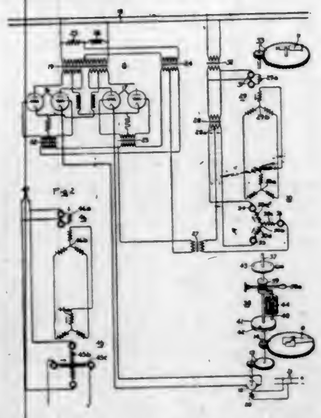
to rest upon the edge of the pot when the rod is in lifting position, a pivoted two-arm lever attached to the rod near its other end, a socket hinged to one of said pivoted arms and adapted to be moved into engagement with the other handle of the pot, a spring attached to the rod and said arm and tending to move the socket toward the pot handle, the other arm of the pivoted lever adapted to be grasped by the fingers of the operator to adjust the socket with respect to the handle to be engaged thereby.

2,425,605

SELSYN CONTROLLED ELECTRIC MOTOR SYSTEM

Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 1, 1935, Serial No. 43,002
13 Claims. (Cl. 172—239)



1. A follow-up control system comprising in combination, a control device, a driven object, a source of alternating voltage, driving means for said object, control means for controlling the supply of power to said driving means, means for supplying a variable control voltage to said control means comprising a transmitting device having a poly-circuit winding and a single circuit winding in inductive relationship therewith energized with single phase voltage from said source, a receiving device having a poly-circuit winding having a portion excited from said source and an unexcited portion connected to said control means, and a poly-circuit winding in inductive relationship therewith and connected to the poly-circuit winding of said transmitting device and mechanical connections between said transmitting device and said control device and between said receiving device and said driven object.

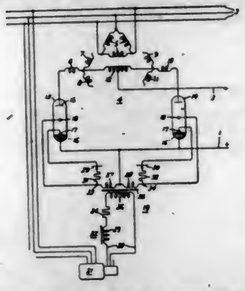
2,425,606

ELECTRIC VALVE CONTROL CIRCUIT

Martin A. Edwards, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 5, 1940, Serial No. 368,669
10 Claims. (Cl. 175—363)

1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising a pair of electric valve means each comprising an anode, a cathode and an immersion-ignitor control member and employing an ionizable medium capable of supporting an arc discharge, an excitation circuit for rendering the electric valve means conducting alternately during intervals displaced one hundred eighty electrical degrees with respect to the voltage of said alternating current circuit and comprising an inductive device having a winding and means for supplying a peaked alternating current of symmetrical wave form to said winding comprising a source of alternating current connected to energize said winding through a series-connected resistance and an inductive means which is symmetrically saturable with respect to half cycles of voltage of both polarities of said source and which is connected in series with said winding so that the current traversing said winding is of the same magnitude as the current traversing said inductive means, and means for energizing said control members in accordance with the voltage of said winding.

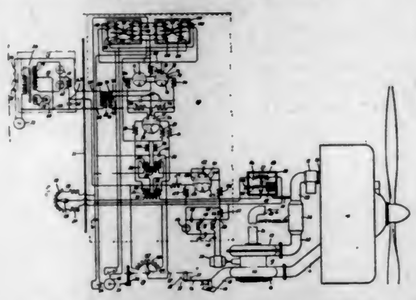


2,425,607

CONTROL SYSTEM FOR AIRCRAFT TURBOSUPERCHARGERS

Martin A. Edwards, Scotia, and Hugh M. Ogle, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application June 5, 1943, Serial No. 489,798
8 Claims. (Cl. 230—11)



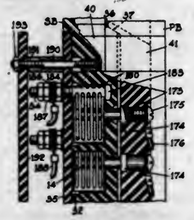
1. In combination, a turbosupercharger actuated by exhaust gases, valve means for regulating the flow of exhaust gases to the turbine, a motor for controlling said valve means, and means responsive to a predetermined pressure appurtenant to an operating condition of said supercharger for positioning said valve means to maintain said predetermined pressure at a substantially constant value over a predetermined range of operation comprising a plurality of units interconnected solely by electrical leads including a manual pressure setting means, a pressure unit mounted adjacent said pressure to be regulated, and an amplifier responsive to changes in the pressure to be regulated for amplifying said pressure changes arranged to control said motor.

2,425,608

PLUG COUPLING APPARATUS

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 23, 1944, Serial No. 536,926
13 Claims. (Cl. 173—328)



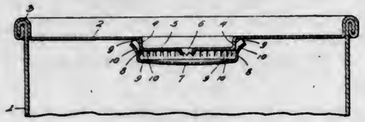
1. In a plug coupler mechanism, a plug board, a pin-like member in the plug board and projecting inwardly thereof, a socket board, a socket in the socket board, a socket contactor for receiving the plug and loosely received in the socket, a cover over the socket to hold the contactor in its socket, a post fastened to the contactor and extending through the cover, means clamping the post and cover together, and holding means removably holding the cover on the socket board.

2,425,609

SHEET METAL CONTAINER WITH VENT OPENING

Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application January 2, 1945, Serial No. 571,083
1 Claim. (Cl. 220—44)



A container comprising a body portion, a metal end closure seamed thereto, said end closure having a depression therein surrounded by a cylindrical wall and having an opening in the bottom of the depression adapted to be closed by solder tipping, a protective cap disposed beneath said opening, said cap including a bottom end and an upstanding skirt, said skirt being corrugated and shaped and dimensioned so as to make frictional spaced lines of contact with the inner surface of the cylindrical wall of said depression and provide gas passages between the contacting lines, the bottom of the cap being spaced away from the bottom of the depression so that gas is free to pass out of and into the container through the space between the bottom of the cap and the bottom of the depression and the gas passages in the corrugated skirt before the opening in the container end is closed.

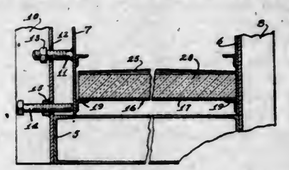
2,425,610

MOLD RACK

Hugh P. Finley, Berlin, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application January 16, 1945, Serial No. 573,057
5 Claims. (Cl. 18—5)

2. The combination of a rack comprising parallel-spaced vertical plates, horizontal slide strips attached to the inner faces of said plates with the strips on each plate paired with those on the other plate and vertically spaced for supporting mold forms in tiers, and open-ended mold forms slidably supported on said strips, said plates being positioned to form closures for the open ends of the mold forms, said rack comprising vertical supporting bars spaced outwardly from one of said plates, means providing a floating connection



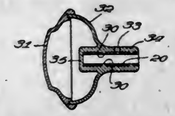
of the latter with said bars, said means including bolts attached to the floating plate and extending loosely through openings formed in the said supporting bars, and tightening bolts having a screw-threaded connection with said supporting bars and positioned to bear against the exterior face of the said floating plate for clamping the latter against said mold forms.

2,425,611

PLASTIC DOOR KNOB

Frank E. Frost, Chicago, and Edward A. Pavlis, Berwyn, Ill.

Application November 17, 1944, Serial No. 563,843
3 Claims. (Cl. 292—347)



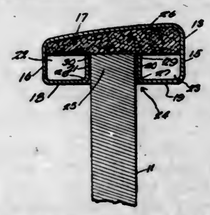
1. A door knob including complementary inner and outer shell parts of plastics material, the inner of said shell parts having an integral sleeve-like shank having a portion extending inwardly of said knob and an aligned portion extending outwardly from said knob, said sleeve-like shank being wholly supported by the inner shell part, a metallic sleeve having apertures in its side walls, said metallic sleeve positioned wholly within said sleeve-like plastics shank and adapted to receive a lock shaft, and said plastics shank having inwardly extending projections in alignment with the apertures in the metallic sleeve side walls, said projections extending flush to the inner surface of the sleeve and locking said metallic sleeve in fixed relationship with the plastics shell shank.

2,425,612

SANITARY GARBAGE CAN

Charles Roy Gamber, Houston, Pa.

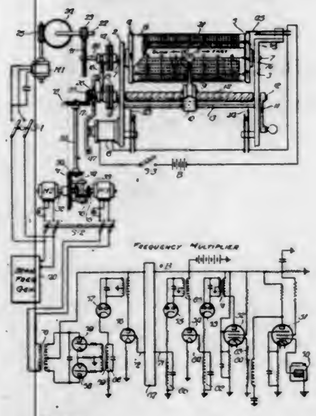
Application November 1, 1944, Serial No. 561,422
2 Claims. (Cl. 220—87)



2. In combination with a garbage can and a sealing cover removably supported upon the upper edge thereof, said cover having an integral peripherally disposed depending flange, an annu-

lar deodorizing insecticide receiving chamber disposed in contact with and secured to the inner adjacent surfaces of said cover and flange extending flush with the lower edge of said flange, said chamber being shaped to provide concentrically arranged channels having their inner adjacent walls extending upwardly in spaced parallel relation for frictionally engaging and receiving the upper end of said can when said cover is placed thereon, a deodorizing insecticide in said channels, an absorbent pad disposed in the upper portion of said chamber overlying said channels and contacting the upper ends of said inner adjacent channel walls adapted to absorb and retain said deodorizing insecticide, and a handle on the outer surface of said cover.

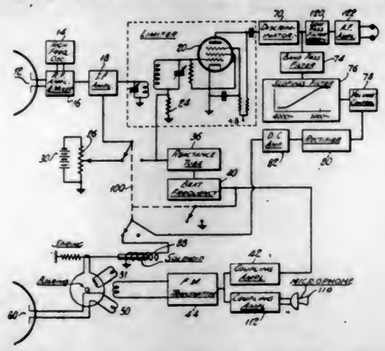
2,425,613
TIMING APPARATUS
Thomas B. Gibbs, Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application June 28, 1941, Serial No. 400,342
23 Claims. (Cl. 73—6)



5. In a watch timer, a sheet of record material, means for moving said sheet at predetermined speed, a stylus for marking said sheet, means responsive to the beating of a watch being tested for generating periodic currents, means comprising a differential mechanism for comparing the frequency of said currents with a standard frequency, and means controlled by said comparing means for uninterruptedly moving said stylus in a direction transverse to the direction of motion of said sheet and at a speed which depends on the difference between said frequencies.

2,425,614
CONTROLLED CARRIER AMPLITUDE COMMUNICATION SYSTEM
De Witt R. Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1943, Serial No. 502,622
8 Claims. (Cl. 250—6)

1. In a signalling system, a signal transmitter and a receiver for the transmitted signal, and means for controlling the strength of the transmitted signal energy in accordance with the strength of the signal energy at the receiver including means in said receiver for producing a potential depending upon the strength of the received signal energy, an oscillation generator controlled as to frequency of operation by said produced potential, means at the transmitter for producing a control potential which varies with

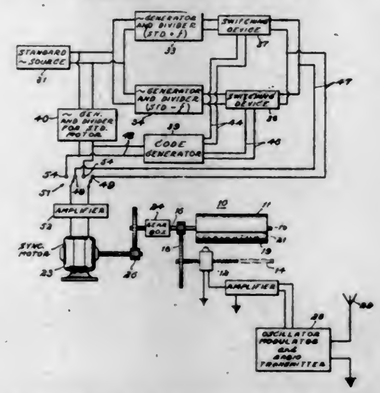


variations in the frequency of the produced oscillations, and control means at said transmitter responsive to said last mentioned potential for controlling the strength of the transmitted signal energy.

2,425,615
PREPARATION OF TERTIARY ALKOXY ACETONITRILES
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 3, 1945, Serial No. 620,192
6 Claims. (Cl. 260—464)

1. A process for the preparation of a tertiary alkoxyacetonitrile which comprises heating under pressure a tertiary olefine with formaldehyde cyanhydrin in the presence of an acid catalyst.

2,425,616
FACSIMILE SYNCHRONIZING SYSTEM
Henry E. Hallborg, Upper Montclair, N. J., and Gilbert R. Clark, Richmond, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application June 19, 1943, Serial No. 491,537
7 Claims. (Cl. 178—69.5)



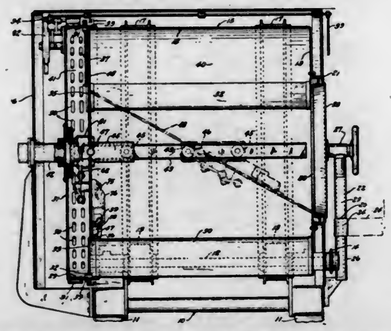
1. In an electrical communication system comprising a movable intelligence transferring member and power drive means for said movable member, means cooperating with said member to generate intelligence signals, a frequency controlled electrical power supply for said power drive means, means to vary the frequency of said supply to produce a change in speed of said power drive means, and code controlled means for controlling said frequency varying means and thereby controlling the speed of said intelligence transferring member so that communication by the intelligence signals at a plurality of different speeds is obtained at predetermined times.

2,425,617
DIAPER
James D. Hazen, Portland, Oreg., assignor to Douglas W. Cruikshank, Portland, Oreg.
Application August 18, 1943, Serial No. 499,102
4 Claims. (Cl. 128—284)



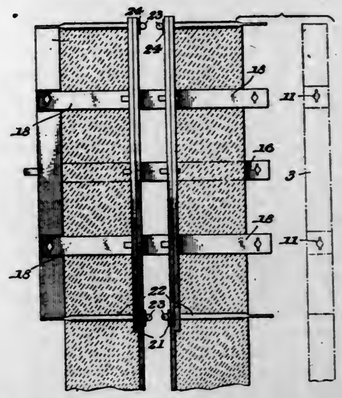
1. A diaper comprising a flat elongated section adapted to be folded inwardly into a series of superimposed stacked panels, one of said panels being substantially longer than the remainder, having an end extension projecting beyond the remainder a substantial distance when said panels are stacked one upon the other, and with the opposite end of said panel constituting the waist band of said diaper, fastening devices comprising two engageable halves secured at the ends of said panel, respectively.

2,425,618
GARMENT UNLOADING DEVICE
John P. Jorgenson, Wilmette, Ill., assignor to Kling Bros. Engineering Works, Chicago, Ill., a corporation of Illinois
Application May 6, 1944, Serial No. 534,442
11 Claims. (Cl. 68—210)



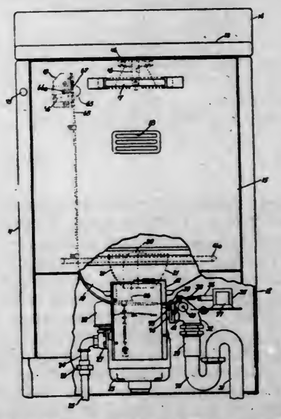
1. In a garment handling apparatus, a cylinder disposed for rotation on a horizontal axis and having an opening in its front end wall for the reception and discharge of garments, a plate within said cylinder mounted for movement from a first position near and parallel to the rear end wall of the cylinder to a second position where it forms an inclined plane leading to said front end wall opening to facilitate the unloading of garments, said plate being substantially circular in outline when in said first position to fit the interior contour of the cylinder, and means for altering the effective outline shape of said plate when the latter is in said second position to substantially fit the interior contour of the cylinder in said new position.

2,425,619
BUILDING WALL STRUCTURE
Carl H. Juergens, Milwaukee, Wis.
Application January 2, 1945, Serial No. 571,087
2 Claims. (Cl. 72—47)



1. A building wall structure for incorporation into a hollow concrete wall comprising spaced transverse bars, insulating sheets, means on said bars remote from the ends thereof positioning and permanently securing thereon said insulating sheets in spaced relation, and means in the ends of each bar for removably holding molding plates in position for molding the exterior faces of the wall, said second mentioned means being subsequently available for attaching elements to the outside face of the wall.

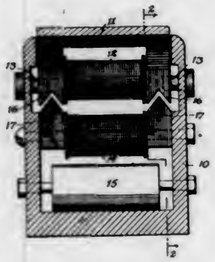
2,425,620
DISHWASHING APPARATUS
Leslie A. Kempton, Chicago, Ill., assignor to Hotpoint Inc., a corporation of New York
Application December 5, 1941, Serial No. 421,788
12 Claims. (Cl. 134—58)



1. In dishwashing apparatus provided with a vat, a door for closing said vat, latching means

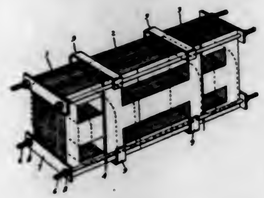
for said door movable to a position to latch the door closed and to a position to release the door, means for supplying liquid to and draining liquid from said vat, and means for circulating liquid in said vat, control means for said apparatus comprising electroresponsive means for controlling said liquid supply and draining means to control the admission of liquid to and the drainage of liquid from said vat, and also controlling the operation of said liquid circulating means, switching means controlling the operation of said electroresponsive means, a control member for said switching means operable from an "off" position to succeeding controlling positions operating said switching means so as to effect the operation of said electroresponsive means to operate said liquid supply and drain valves and said circulating means to perform a series of timed operations in a timed washing cycle, an electroresponsive timing motor, a clutch for effecting a driving connection between said timing motor and said control member, means operating said clutch to connect said control member with said timing motor and for energizing said timing motor to drive said control member, and for disconnecting said control member from said timing motor when said timing motor is deenergized, a spring tensioned when said control member is being driven by said timing motor for driving said control member to its "off" position when said control member is disconnected from said timing motor, and a switch operated by the movement of said latching means to its latching position controlling said timing motor so that said timing motor can not be energized unless said door is latched, and said switch being operated to deenergize said timing motor so as to permit said spring to restore said control member to its "off" position if said latching means is moved to its said released position during the interval of time that said timing motor is driving said control member.

2,425,621
VIBRATOR
Francis E. Knipper, Santa Ana, Calif.
Application October 24, 1944, Serial No. 560,186
1 Claim. (Cl. 172—240)



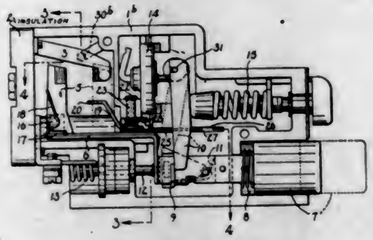
An electric vibrating machine comprising a casing, a two ended electromagnet fixedly mounted in said casing, a second two ended electromagnet mounted in said casing by means of a resilient support at each end thereof, said electromagnets being positioned relative to each other to bring the two ends of one electromagnet into close proximity, respectively, to the two ends of the other electromagnet, grooves formed in the ends of one of said electromagnets facing the ends of the other electromagnet and complementary tongues formed in the ends of the other electromagnet facing said grooves, a head mounted on said second electromagnet and a rectifier carried by said casing, one of said electromagnets being connected to said rectifier, the other of said electromagnets and the rectifier being connected to a source of alternating electric current.

2,425,622
COMBINED TRANSFORMER AND REACTOR
Charles W. Kronmiller, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 21, 1945, Serial No. 611,895
6 Claims. (Cl. 175—356)



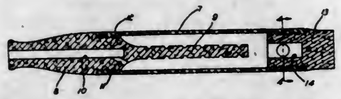
2. In combination, a plurality of electric induction devices each having a laminated magnetic core composed of stacked punchings, said cores being aligned parallel to their laminations with magnetic gaps between said cores, at least one tensioned tie member on each side of said aligned cores and extending the entire length of said aligned cores, said punchings being between said members, clamping members adjacent to said gaps for clamping said tie members to said aligned cores, and cross members extending between corresponding ends of said tie members.

2,425,623
PROTECTIVE DEVICE
Clarence W. Kuhn, Wauwatosa, and Theodore F. Rosing, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 4, 1943, Serial No. 474,682
7 Claims. (Cl. 200—124)



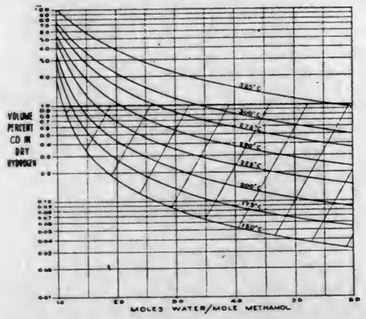
1. The combination with a switch having operating means biased for movement to effect a given condition of said switch, means engaging a part of said operating means when moved to effect a different given condition of said switch and subjecting said part to a preponderating bias against which it has play under shock, and movable means operating as a function of such play of said part positively to block change in the condition of said switch for a temporary period terminated by subsequent stabilization of said part under said preponderating bias.

2,425,624
INHALING DEVICE
Omer Lardinois, Detroit, Mich.
Application July 26, 1943, Serial No. 496,245
1 Claim. (Cl. 128—200)



In an inhaling device of the class described, a tubular enclosing shell; a mouth piece mounted in one end of said shell and projecting outwardly therefrom; a stem formed integral with said mouthpiece and projecting from one end thereof inwardly of said shell and terminating adjacent the opposite end of said shell, within said shell, said mouthpiece having a central bore formed therethrough extending into one end of said stem, there being lateral openings in said mouth piece communicating the bore thereof with the interior of said shell, said stem having a plurality of liquid retaining depressions formed in its periphery; and a valve mechanism mounted in said opposite end of said shell for controlling communication of the interior of said shell with the exterior thereof.

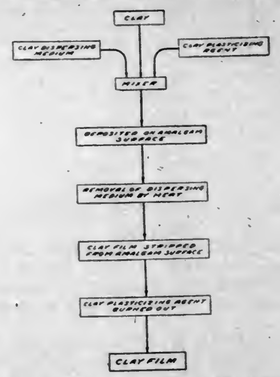
2,425,625
PREPARATION OF HYDROGEN
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 11, 1943, Serial No. 501,914
5 Claims. (Cl. 23—212)



1. In a process for the preparation of a gaseous mixture containing hydrogen and less than 1% carbon monoxide the steps which comprise catalytically reacting water and methanol in the presence of a catalyst selected from the group consisting of zinc-copper and zinc-copper-chromium containing catalysts under conditions ranging between a molar ratio of water to methanol of 1.8:1 at a temperature less than 200° C. to a molar ratio of 6:1 at a temperature less than 330° C.

2,425,626
METHOD OF MAKING CLAY FILMS
Donald W. Light, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application May 2, 1941, Serial No. 391,463
5 Claims. (Cl. 18—57)

1. The method of preparing a clay film which includes the steps of depositing on an amalgamated surface a colloidal dispersion comprising a clay and a clay plasticizing agent where the quantity of clay present is at least equal to that



of the plasticizer, removing the dispersing medium therefrom, and stripping the film from the surface.

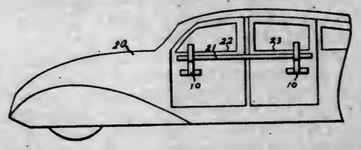
2,425,627
PROCESS FOR THE PREPARATION OF ETHYLENEUREA
Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,520
10 Claims. (Cl. 260—309)

1. In a process for the preparation of ethyleneurea from ethylene glycol and urea, the steps which comprise discharging the reaction product, obtained by heating ethylene glycol and urea, the urea being present in excess, into water, heating the resulting mixture to a temperature between 200 and 300° C., and subsequently recovering the ethyleneurea from the thus heated mixture.

2,425,628
PREPARATION OF AMINOACETALS
Donald John Loder and Walter Martin Bruner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1942, Serial No. 430,995
9 Claims. (Cl. 260—584)

1. A process for the preparation of aminoformals which comprises hydrogenating a cyanoformal in the presence of a hydrogenation catalyst and ammonia at a temperature between 25 and 200° C. and at a pressure between 200 and 700 atms.

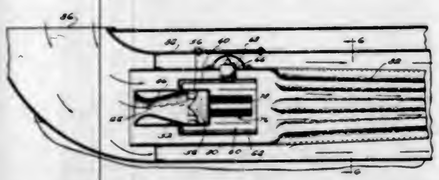
2,425,629
LUGGAGE CARRIER
George J. Mayer, New Berlin, Wis.
Application March 15, 1946, Serial No. 654,614
4 Claims. (Cl. 224—29)



1. A luggage carrier comprising a hooked element adapted to engage over the sill of a vehicle

window, a vertically depending portion, a cross element affixed to the bottom thereof for bearing against the side of a vehicle, an element extending outwardly obliquely upwardly therefrom, a horizontal bar connecting the upper end of the oblique element with the depending portion, and a vertical bar extending upwardly from the juncture of the horizontal bar and said oblique element for retaining items of luggage placed on said horizontal bar.

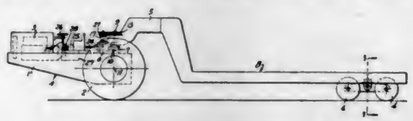
2,425,630
INTERNAL-COMBUSTION AIRPLANE HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 25, 1942, Serial No. 436,090
8 Claims. (Cl. 244—134)



1. An internal combustion airplane heater comprising a conduit, a casing within said conduit in spaced relation to the wall thereof, means comprising an air ram to produce a pressure differential within said conduit and casing to cause a flow of air through said casing and between the casing and said conduit, means in said casing forming a combustion chamber spaced from the walls of said casing and opening into a mixing chamber, an induction tube connected to said combustion chamber, means to produce a pressure differential through said induction tube and combustion chamber, said combustion chamber having an outlet for products of combustion emptying into said mixing chamber, means to produce a combustible mixture for induction into said combustion chamber, means to ignite said mixture within said combustion chamber, said mixing chamber adapted to receive air flowing through said casing and products of combustion from said combustion chamber, and the air flow through said casing being discharged into said mixing chamber in sufficient quantity to dilute any combustible mixture flowing from said combustion chamber sufficiently to prevent subsequent combustion thereof.

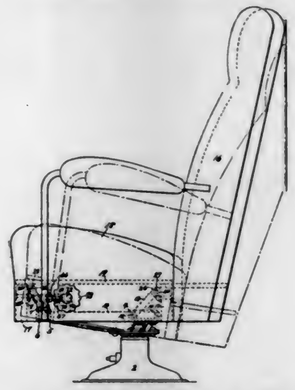
2,425,631
MOTOR VEHICLE
George R. McIntosh, San Francisco, Calif., assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif., a corporation of Nevada
Substituted for abandoned application Serial No. 460,711, October 3, 1942. This application November 19, 1945, Serial No. 629,512
4 Claims. (Cl. 180—79.4)

1. In combination, a two-wheeled motor unit having a chassis with an engine for driving the wheels, the wheels serving to support the chassis and the engine, a vertically extending king pin, an axle carried by the chassis and extending longitudinally with respect to the motor unit, the lower end of the king pin being pivotally connected to the axle, a trailer having a frame with its forward end attached to the king pin, a gear fixed to the frame and having its center aligned with the vertical axis of the king pin, an arm pivoted to the king pin and having a portion attached to the horizontal axle, a pinion



rotatably carried by the arm and meshing with the gear, and means for rotating the pinion in a desired direction for swinging the arm and the motor unit about the vertical axis of the king pin for steering the motor unit relative to the trailer.

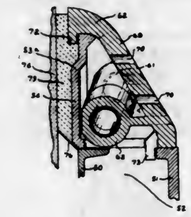
2,425,632
RECLINING SEAT CONTROL
William E. Morey, Huntington, W. Va., and Ralph G. Nichols, Weldon Spring, Mo., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Original application November 18, 1939, Serial No. 305,054. Divided and this application December 15, 1942, Serial No. 469,054
5 Claims. (Cl. 155—116)



1. A reclining seat comprising in combination, a seat base carried by a supporting structure, a seat frame having a cushion receiving portion, upwardly diverging rigid links pivotally supporting each side of said frame directly upon said base for reclining movement of the frame, and means controllably connecting said seat frame and base to control the reclining movements of said seat frame, said means comprising a bell-crank pivotally connected to one of said links, and screw means connected to said bell crank to cause movement thereof.

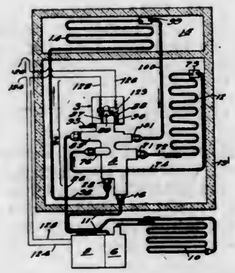
2,425,633
STOKER APPARATUS
Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 29, 1942, Serial No. 452,759. Divided and this application June 30, 1945, Serial No. 602,493
1 Claim. (Cl. 122—376)

In a stoker for furnaces, the combination of spaced support members defining a furnace side wall air box adapted to receive air under pressure, a back support member resting upon said spaced support members and bridging the space therebetween, said back support member providing for flow of air therepast from said air box and having a tube-receiving groove in one side surface, a side tuyère plate having a tube-receiving groove in one surface opposed to the tube-



receiving groove of the back support member, a fluid-conducting tube disposed partially in each of said tube-receiving grooves, and means for securing said tuyère plate to said back support member with said tube clamped therebetween, said tuyère side plate having lateral passages therethrough for flow of air from the furnace side wall air box to the interior of the furnace.

2,425,634
CONTROL METHOD AND ARRANGEMENT FOR A TWO TEMPERATURE REFRIGERATOR USING A CAPILLARY EXPANSION DEVICE
Glenn Muffly, Springfield, Ohio
Continuation of application Serial No. 346,085, July 18, 1940. This application March 1, 1943, Serial No. 477,519
17 Claims. (Cl. 62—3)



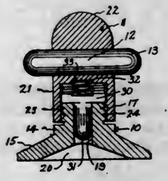
2. In a refrigerating system, a pair of evaporators, a pair of valves in mechanically opposed relationship, one of said valves controlling a suction passage leading from one of said evaporators and the other of said valves controlling liquid refrigerant flow to the second of said evaporators, refrigerant flow control means controlling the flow of refrigerant to said second of said valves, the connection between said valves being so constructed and arranged that the closing of one valve causes the opening of the other, and means for operating said valves for the purpose of controlling the selective cooling of said evaporators, one evaporator being designed to operate at a lower pressure than the other.

2,425,635
DRESS
Morris Nitzberg, Philadelphia, Pa.
Application October 16, 1946, Serial No. 703,574
1 Claim. (Cl. 2—75)



A combination dress and bosom protector comprising a dress having a pair of shoulders, a waist front having a waistline, a neck opening, a plurality of buttons fastened upon said dress adjacent the shoulders thereof and above the front of said waistline, a detachable bib member, a plurality of complementary button holes in said bib which button holes coact with said buttons, said bib member being of a general triangular configuration having a neckline formed in one side of said bib substantially of the same configuration as the neckline of said dress whereby the neckline of the bib substantially overlaps the neckline of said dress, and one end of said bib extending adjacent to the waistline of said dress whereby said last named end may be detachably fastened to said waist front, whereby said bib member may be quickly affixed to or quickly detached from the bosom of said dress.

2,425,636
ADJUSTABLE FASTENER STUD
Leslie Parkin, Nottingham, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 22, 1945, Serial No. 595,139
8 Claims. (Cl. 24—221)



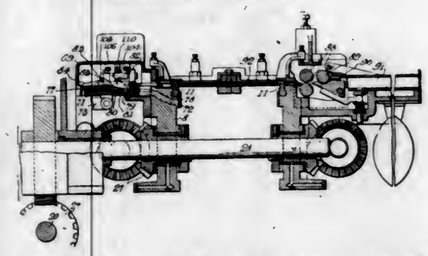
2. A fastener stud comprising a headed part formed with a threaded shank portion, a fastener-engaging part formed with a threaded bore and rotatably mounted upon the threaded shank of the headed portion, and a locking key nonrotatably mounted in one of said parts and normally engaging the other part for locking said parts against rotation in selected adjusted positions and means for manually releasing said locking key from locking engagement with the engaged part.

2,425,637

DETECTING AND EJECTING MEANS FOR PACKING STRIP APPLYING MACHINES

Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Original application December 27, 1940, Serial No. 371,974. Divided and this application November 16, 1942, Serial No. 465,764
17 Claims. (Cl. 113—7)



1. In apparatus of the character described, longitudinally extended body blank supporting ways, means for feeding body blanks having side seam packing strips affixed thereon step-by-step along said ways so as to present them at rest intervals at a succession of stations, means operable at one rest interval stop station on said ways and while a blank is at rest at said stop station for detecting the absence of a packing strip on said blank, and blank moving means controlled by said detecting means and operable for automatically imparting movement of ejection to each blank found devoid of a packing strip.

2,425,638

POLYMERIZATION OF ETHYLENE

Merlin Dewey Peterson, Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 18, 1944, Serial No. 522,964
3 Claims. (Cl. 260—94)

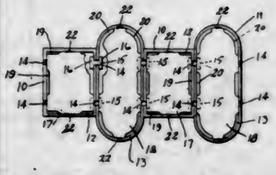
1. In a continuous process for homopolymerizing ethylene at a pressure above at least 1000 atmospheres, the steps which comprise passing ethylene together with a dialkyl dioxide of the formula ROOR' in which R and R' are simple unsubstituted alkyl groups, containing from 1 to 3 carbon atoms into a reaction zone of relatively great length to diameter, conducting the reaction therein at a temperature between 205 and 300° C. and with a contact time of not more than thirty minutes and continuously removing from the reaction zone the homopolymer produced.

2,425,639

FLEXIBLE LINK DEVICE

Emil Popper, Brooklyn, N. Y.

Application August 1, 1945, Serial No. 608,169
4 Claims. (Cl. 59—80)



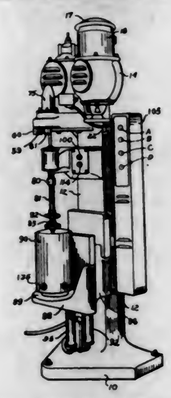
1. A flexible link device, comprising a plurality of adjacent shell-like members disposed side to side in a line and having open faces and adjacent slots in adjacent side walls, said slots being extended inwards from said open faces, connectors having heads at their ends and extended through said slots of adjacent side walls for flexibly connecting said members, and plates mounted across the open faces of said members for covering and holding said connectors in position.

2,425,640

SURFACE FINISHING

Rodman C. Pruitt, Seymour, Ind., and Edward F. Fowle and Richard S. Iglehart, Springfield, Ohio, assignors to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio

Application April 23, 1945, Serial No. 589,786
12 Claims. (Cl. 51—7)



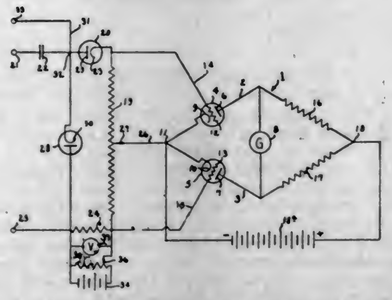
1. A machine for smoothing and removing burrs and the like from an article which comprises a container for receiving a quantity of abrasive in fluid suspension, a support having means thereon for receiving the article, means for moving said support with said article attached thereto relative to said fluid suspension for a period of time sufficient to effect the smoothing and burr removal therefrom, and a baffle removably positioned in said container and projecting upwardly in predetermined relation to said article.

2,425,641

VACUUM TUBE BRIDGE VOLTMETER

Jack Remde, Chicago, Ill., assignor to Ray L. Triplett, Bluffton, Ohio

Application August 14, 1943, Serial No. 498,630
2 Claims. (Cl. 171—95)



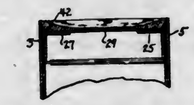
1. A circuit for measuring the voltage of alternating current potentials, said circuit comprising an electrical bridge having a pair of resistance arms, a pair of electron discharge devices respectively in the remaining pair of arms, each of said devices including a cathode, an electrostatic control member and a plate electrode, means for applying alternating voltage to be measured in rectified form across the control members for said devices, a null voltage indicator connected across said plate electrodes, means for biasing the control members by potentials equal and opposite to the potentials applied by the voltage to be measured whereby the bridge is balanced as determined by said null voltage indicator, and means for measuring the balance potentials to obtain a measurement of the voltage to be measured, said last-mentioned means comprising an electrical meter connected across said biasing means and separated from said null voltage indicator by said pair of electron discharge devices.

2,425,642

SEALABLE CARTON FOR FROZEN FOODS

William A. Ringler, Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio

Application May 20, 1944, Serial No. 536,567
7 Claims. (Cl. 229—14)



1. In a sealable knocked down box, a tubed sleeve of coated boxboard having articulated enclosing body walls, end closure elements for said sleeve having wall portions to extend across the tubular sleeve and lateral flaps, and an inner sleeve in telescoping relationship with said first mentioned tubed sleeve, said lateral flaps on said closure elements being insertable between the walls of said first mentioned sleeve and said inner sleeve, said inner sleeve having at its ends articulated flaps foldable to a position substantially at right angles to the walls of said inner sleeve, whereby said closure elements are supported and maintained in a position with said wall portions extending across end portions of said first mentioned sleeve so as to close said sleeve but with said wall portions spaced inwardly from the actual ends of said first mentioned sleeve to leave a recess into which a liquid sealing substance capable of bonding with the coating on said body walls may be introduced to form a seal between said closure elements and said first mentioned sleeve, and bridging across between the body walls of said first mentioned sleeve.

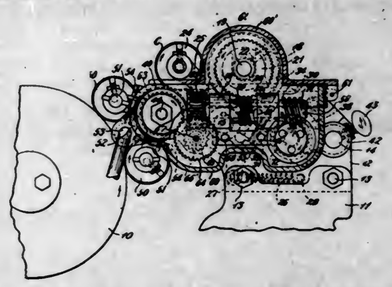
2,425,643

WATER FOUNTAIN

Arthur G. Royer, East Cleveland, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware

Application October 1, 1942, Serial No. 460,410
8 Claims. (Cl. 101—147)

1. In a water fountain for a printing press having a rotating form cylinder, an intermediate roller adapted to turn with surface speed substantially equal to the surface speed of the form cylinder, a pan roller, a ductor roller, a camshaft for moving the ductor roller into engagement with the intermediate roller and pan roller alternately, a transmission shaft with its axis disposed at right angles to the axis of said rollers, and separate worm and worm wheel connections for driving the transmission shaft from the intermediate



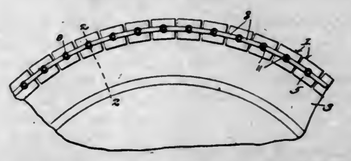
roller and for driving the pan roller and the cam shaft independently from said transmission shaft.

2,425,644

TRACTION CHAIN

John W. Rutledge, El Paso, Tex.

Application May 5, 1944, Serial No. 534,317
1 Claim. (Cl. 152—179)



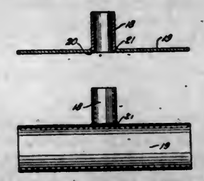
In a traction chain for the treads of pneumatic tires, laterally spaced chains each comprising pivotally connected links, said chains being spaced apart a distance greater than the over-all diameter of the tire to which the structure is to be applied, spindles the ends of which constitute the pivotal connections between the links, said spindles being arranged in pairs and the spindles of each pair being joined by a plate integral therewith, and blocks having flat longitudinal faces and rectangular ends, each of said blocks constituting a housing for one of the plates and portions of the spindles extending therefrom, said blocks being extended up to the respective chains, the spindles being centered in the angular ends of the blocks and each of said blocks having a recess proportioned to receive and provide a seat for the tread portion of a tire.

2,425,645

METHOD OF FABRICATING A T

Robert Ryan, East Troy, Wis., assignor to Tri-Clover Machine Company, Kenosha, Wis., a corporation of Wisconsin

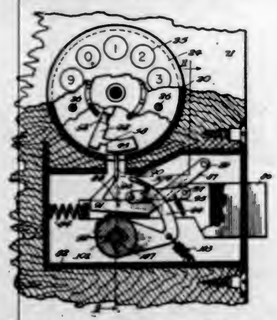
Application May 18, 1944, Serial No. 536,113
4 Claims. (Cl. 29—157)



4. A method of fabricating a T comprising punching a hole in a flat sheet of metal, welding the lower end of a piece of tubing in said hole while the sheet is substantially flat, thereafter forming the sheet into cylindrical shape with the

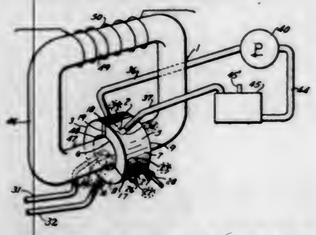
tubing projecting exteriorly therefrom and with opposite edges of the sheet substantially juxtaposed, and securing said edges of the sheet together.

2,425,646
COMBINATION LOCK
Albert C. Sanowskis, Chicago, Ill.
Application January 19, 1946, Serial No. 642,289
15 Claims. (Cl. 70—313)



1. A combination lock comprising: an annular series of slidably mounted selectively operable keys, shifting elements individually operable by the keys, mechanism operable step-by-step by predetermined sequential operation of the keys and the shifting elements, lock-controlling means operable by said mechanism, spring-means for retracting said mechanism, and means for releasing the mechanism for retraction by the spring means and resetting said mechanism.

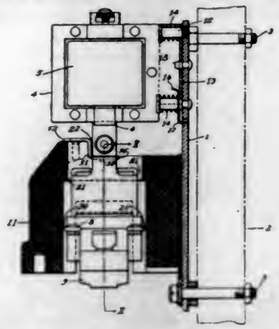
2,425,647
THERMOELECTRIC CURRENT GENERATING DEVICE
Emmett F. Sarver, Wichita, Kans., assignor of one-half to O. W. Wortman, Wichita, Kans.
Application April 15, 1943, Serial No. 483,133
10 Claims. (Cl. 171—97)



1. A device of the character described including, a thermo couple forming a primary of a transformer, a secondary in inductive relation with the thermo couple, and means for pulsating current flow in the thermo couple to induce current flow in the secondary.

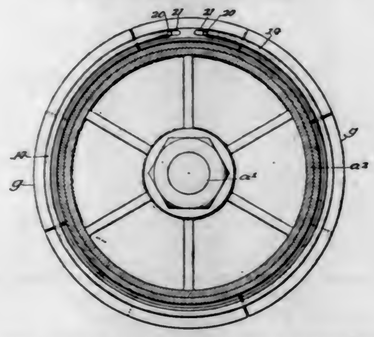
2,425,648
SHOCKPROOF CONTACTOR AND RELAY
Walter Schaelchlin and Delbert Ellis, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 26, 1941, Serial No. 380,662
17 Claims. (Cl. 200—111)

1. In an electromagnetic device, in combination, a movable armature and a pair of stationary portions with reference to which the armature moves, an electromagnetic coil in one of the stationary portions, said movable armature being acted upon by said coil in one of the stationary portions to cause movement of the movable armature relative to the stationary portions, a base, one of the stationary portions being fixed to the



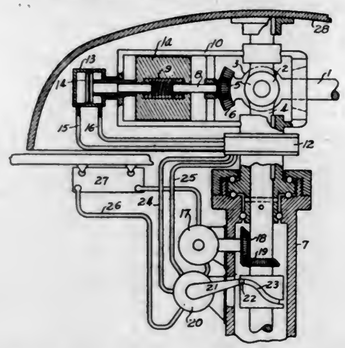
base and one being movable with reference to the base upon subjecting the base to an impact, means on the stationary portion that is fixed to the base adapted to engage the movable armature upon occurrence of an impact on the base to prevent relative movement between the movable armature and stationary portion that is fixed to the base.

2,425,649
PACKING RING
Charles C. Smith, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application October 31, 1944, Serial No. 561,183
2 Claims. (Cl. 309—29)



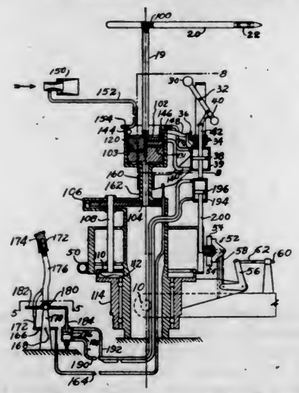
1. The combination with a piston provided with an annular channel in its outer periphery, of a packing ring comprising two annuli mounted in the channel for movement relatively to each other in a radial direction and formed of segments having contiguous side faces and mating grooves in said side faces, a transversely split resilient ring disposed in the grooves in said side faces, abutting the segments in both annuli for radial expansion, having sufficient inherent expansive force for radially spreading the segments of both annuli against the cylinder-wall and a projection on each end of the resilient ring extending into a segment in each annulus, and means in at least one of said last named sections in which one of the projections is slidable for normally permitting relative movement between the ends of the resilient ring for expansion of the segments by the inherent resiliency of said ring and contraction of the segments by the cylinder-wall and for predeterminately limiting the ultimate expansion of the segments by the resilient ring.

2,425,650
HELICOPTER ROTOR WITH BLADE-BALANCING MECHANISM
Edward A. Stalker, Bay City, Mich.
Application July 16, 1943, Serial No. 494,916
15 Claims. (Cl. 244—17)



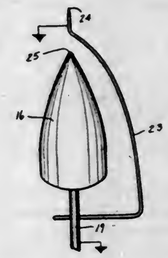
14. In combination in an aircraft of the direct lift type, a blade, means for supporting said blade on said aircraft for rotation about an upright axis and for flapping movement about an axis transverse to said upright axis, a weight, means for supporting said weight for rotation with said blade about said upright axis and for shifting movement in translation in a plane substantially normal to said upright axis, means responsive to changes in the position of said blade in its orbit, and power operated means controlled by said responsive means for applying force to said weight in the direction to cause cyclic movement thereof relative to said upright axis.

2,425,651
ROTARY WING SUSTAINED AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application September 11, 1944, Serial No. 553,652
17 Claims. (Cl. 244—17)



1. In combination in an aircraft of the direct lift type, a variable lift blade, means to support said blade for rotation about an upright axis, means to vary the lift of the blade, relative wind responsive means rotatable at a speed coordinated with the rate of rotation of said blade, cam means having a continuously adjustable cam contour, means to vary the contour of said cam means in response to said wind responsive means, and means responsive to contour of said cam means to control said lift varying means to alter the lift of said blade orbitally in accordance with the relative wind effective upon said blade.

2,425,652
METHOD AND APPARATUS FOR SPRAY COATING ARTICLES
William A. Starkey, Zionsville, Ind., assignor to Harper J. Ransburg Company, Indianapolis, Ind., a copartnership
Application January 22, 1944, Serial No. 519,333
17 Claims. (Cl. 117—17)



2. In a method of coating in an electrostatic field an article having a projecting portion capable of creating an adjacent ionizing zone when the article is in the field, the steps of creating an electrostatic field over the surface of the article, introducing finely divided coating material into said field to be ionized thereby and electrostatically deposited on said article, and reducing the field strength over the projecting portion of the article to prevent reionization of coating material particles approaching said portion.

2,425,653
DECALCOMANIA PAPER
John W. Stewart, Lake Forest, Ill., assignor to The Cuneo Press, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application May 24, 1945, Serial No. 595,655
1 Claim. (Cl. 41—33)

The method of preparing non-curling decalcomania paper, which consists in releasably bonding, to one side of a backing sheet of water absorbent paper, by a water-soluble starch-dextrose adhesive, a coating adapted to take a decalcomania design, and covering the opposite side of the sheet with a dried layer of granular gelatine which has been swelled in a warm mixture of water and alcohol in a ratio of generally three to two.

2,425,654
VIBRATION DAMPENING DEVICE
Harold A. Storch, Fairview Village, Ohio, assignor, by mesne assignments, to Harris Products Company, Cleveland, Ohio, a corporation of Ohio
Application September 17, 1943, Serial No. 502,777
5 Claims. (Cl. 248—358)

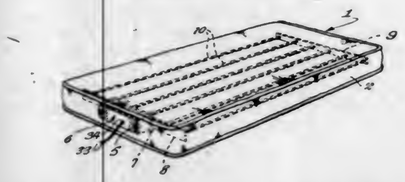
1. A flexible mounting device of the character described, comprising a ring formed of resilient material and having a central hollow stem and a

thickened outer rim connected by an intervening annular web, a pair of substantially coaxially disposed inner and outer members flexibly connected by said ring and adapted for connection respectively with a pair of parts to be connected, said outer member comprising a hollow metal member having an annular web portion disposed around the perimeter of said rim and inturned annular



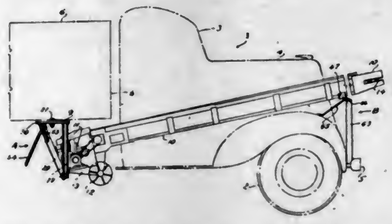
flange portions embracing said rim, said inner member comprising a metal member having a sleeve portion extending through said hollow stem and provided at its ends with outturned annular flange portions which embrace the ends of said hollow stem, and non-metallic sheet fabric embodied in said hollow stem and said thickened outer rim so as to lie in the portions thereof which are embraced by said inner and outer members.

2,425,655
THERAPEUTIC DEVICE
Edwin H. Tompkins, New York, N. Y.
Application March 22, 1944, Serial No. 527,551
20 Claims. (Cl. 128—33)



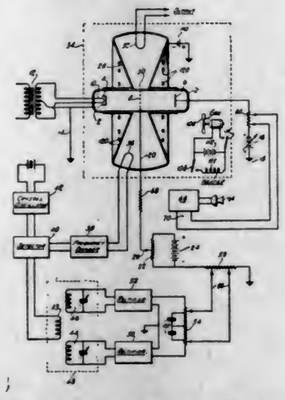
1. A mattress comprising a hollow textile housing having top and bottom faces connected by vertical side and end edge faces, a rigid casing disposed within the chamber of said housing at one end thereof and having one side wall thereof approximately coincident with one vertical end face of said housing, said one end face having an opening through which access may be had to said casing and said one side wall of said casing being apertured to allow air from outside said housing to enter and circulate through said casing, a bar within and extending crosswise of said housing adjacent said casing, an element of soft, resilient material interposed between said bar and casing, means connecting said bar and casing for clamping them together resiliently and solely through said element, a second bar within said housing adjacent the end opposite from said casing, tie members connecting said bars, the remainder of said housing being filled with soft cushioning means to provide a comfortable mattress, an electric motor within said casing and having a rotatable armature disposed with its axis of rotation approximately parallel to said top and bottom faces of said housing, said armature having an axial unbalance of substantial amount far in excess of any accidental unbalance due to inaccuracy in manufacture, and soft, resilient cushioning means interposed between said casing and said motor, spacing said motor everywhere from said casing and forming the sale support of said motor from said casing.

2,425,656
CONVEYOR MOUNTING FOR TRUCKS
Jasper G. Tullis, Cleveland, Ohio, assignor to The Cleveland Formgrader Company, Cleveland, Ohio, a corporation of Ohio
Application November 9, 1944, Serial No. 562,716
10 Claims. (Cl. 224—29)



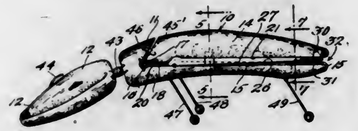
1. A side carrier for supporting one end of an elongated loader on a vehicle, comprising a bracket, hoisting means thereon operable, when the bracket is in operating position on the vehicle, to lift and support said end of the loader free of the bracket and in position for movement of the loader bodily relative to the bracket selectively to deposit the said end in a carrying position on the bracket and to remove said end of the loader from the bracket, and means constituting a substantially vertical pivot arranged to support the bracket in said operating position wherein the bracket is in dependent relation to the vehicle and for swinging movement in a horizontal plane from a loading position to a carrying position when the bracket is supported in said operating position.

2,425,657
SHORT-WAVE APPARATUS
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 17, 1941, Serial No. 388,999. Divided and this application December 13, 1943, Serial No. 514,021
17 Claims. (Cl. 179—171.5)



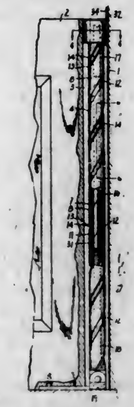
1. In combination, a space resonator having a gap, an electron discharge system for producing an electron flow across said gap, said system comprising an evacuated hermetically sealed container having therein an anode, a cathode and a grid, a circuit for heating said cathode, a connection for grounding said cathode, a connection for maintaining said grid at a positive potential with respect to ground, a circuit for maintaining said anode at a relatvely negative potential with respect to ground, a circuit for superimposing upon said anode voltage variations corresponding to a desired signal whereby frequency modulated waves are generated within said space resonator and a utilization circuit coupled to the space within the resonator for removing frequency modulated waves therefrom and enabling the utilization thereof.

2,425,658
FISH LURE
Thomas W. Urban, Detroit, Mich., assignor of forty-five per cent to Carrol E. Urban, Detroit, Mich.
Application September 12, 1945, Serial No. 615,824
5 Claims. (Cl. 43—35)



4. A lure comprising a body formed of a pair of interconnected sections, fish hooks pivotally connected within the confines of the body, means for holding the said sections normally spaced, means for throwing the hooks outwardly of the body upon closing said sections upon one another, spacers for the hooks, one of the spacers being said second means, and said second means consisting of a V-shaped member on one of said sections.

2,425,659
SASH BALANCE
August Viehweger, Comstock Park, Mich., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application January 15, 1945, Serial No. 572,832
15 Claims. (Cl. 16—197)



1. In a sash balance, the combination of a tubular element having two outwardly facing spiral grooves of the same pitch, said element comprising inner and outer members, each member consisting of a strip spirally coiled with its edges in spaced relation providing a spiral slot, the outer member being in overlying relation to the spiral slot of the inner member and having a spiral rib-like inset therein intermediate its edges disposed in the slot of the inner member and providing one of said grooves, the spiral slot of the outer member being intermediate the edges of the inner member and bottomed thereby and constituting the other of said spiral grooves, a bushing secured within one end of said tubular element provided with ratchet teeth at its inner end, a tension rod disposed within said bushing for rotation therein and provided with a ratchet head coacting with the ratchet teeth of said bushing, an anchoring rod at the other end of said tubular element provided with an attaching bracket and with a bushing fitting within said tubular element, the inner ends of said anchoring and tensioning rods constituting clutch pins, a coiled spring arranged within said element with its ends in clutching engagement within said clutch pins, and a torsion member provided with opposed groove-engaging lugs coacting with both spiral grooves of said tubular element, said tubular element members and said bushing and rods being in lubricant retaining fitting relationship.

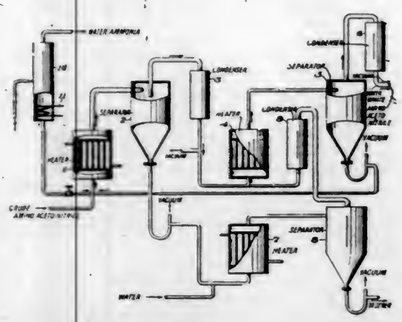
2,425,660
METHOD AND APPARATUS FOR MAKING PAPER-COVERED VENEER
Richard N. Ware, Jr., and Reginald Cannon, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware
Application September 19, 1945, Serial No. 617,244
8 Claims. (Cl. 154—138)



2. In the method of making paper covered veneer the steps which comprise forming a continuous ribbon of undried veneer wood, wetting a continuous web of paper with water, stretching the wet paper, coating one face of the wet paper with an adhesive, continuously advancing the ribbon of veneer and the coated wet paper in the same direction, pressing the coated face of the paper against the veneer ribbon, repeating the pressing operation at spaced intervals along the length of travel of the veneer ribbon and paper until the paper is adhesively united to the veneer ribbon, and drying the paper covered veneer to simultaneously drive out moisture from the paper, wood, and adhesive and thereby cause the wood and paper to shrink at the same rate for producing a smooth paper face on the veneer.

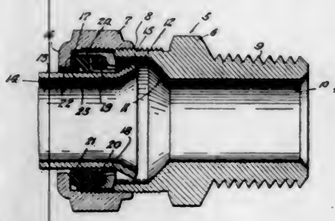
8. Apparatus for continuously forming paper covered veneer which comprises cutting machinery for forming a veneer ribbon from logs, apparatus for uniting succeeding veneer ribbons in end to end relation to form a continuous ribbon, a series of ribbon press rolls arranged for pulling the veneer ribbon therebetween along a horizontal plane, means for supporting rolls of paper above and below the veneer ribbon, machines for wetting one face of each sheet of paper from said rolls of paper, coating machines for coating the other face of each sheet of paper, means for stretching the wet sheets of paper, guide rolls for directing the coated wet stretched paper into contact with the top and bottom faces of the veneer ribbon to place the coated faces of the paper against the faces of the wood, and means for simultaneously drying the wood, the glue, and the paper to produce paper covered veneer having smooth flat paper surfaces.

2,425,661
PURIFICATION OF AMINOACETONITRILE BY VACUUM DISTILLATION
Arthur G. Weber and Clarence D. Bell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 22, 1944, Serial No. 550,531
7 Claims. (Cl. 202—52)



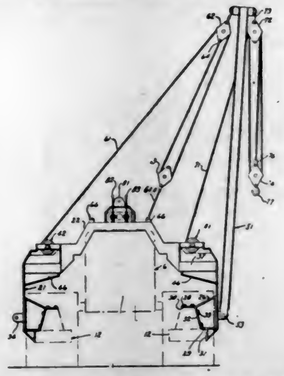
6. In a process for the purification of aminoacetonitrile contained in a crude aqueous liquid mixture, the steps which comprise passing the crude aqueous liquid mixture under reduced pressure through a tubular heating zone in not more than 3 minutes the zone being maintained at a temperature below 95° C. and sufficient to vaporize a major portion of the aminoacetonitrile during its passage through the zone, passing the resulting liquid-vapor mixture into a separating zone and therein separating the aminoacetonitrile vapor from the liquid-vapor mixture.

2,425,662
FLEXIBLE COUPLING
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1944, Serial No. 564,461
4 Claims. (Cl. 285—90)



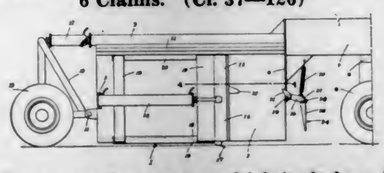
1. A flexible coupling for tubes comprising a pair of relatively movable coupling members threadedly engaging one another and defining therebetween an annular chamber, a pair of deformable packing members surrounding the tube and positioned within said annular chamber, an inner sleeve surrounding said tube and contacting therewith, an outer sleeve surrounding the deformable packing members and said inner sleeve, said sleeves being spaced from each other and one of said sleeves having a laterally projecting flange for separating the deformable packing members.

2,425,663
HOIST
Mack Wooldridge, Oakland, Calif., assignor to American Tractor Equipment Corporation, a corporation of California
Application July 16, 1945, Serial No. 605,280
2 Claims. (Cl. 212—8)



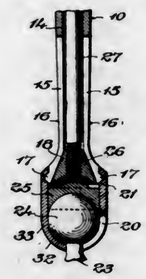
1. A derrick structure for use on a track laying type tractor having a main frame and a pair of track frames on opposite sides of the main frame, a pair of substantially like support frames, each of said pair of frames having a derrick boom mounting thereon, a pair of winches, each winch being mounted on one of said pair of support frames, an auxiliary frame extending over and closely fitting said main frame, each of said pair of support frames being supported by one of said track frames, said pair of support frames being rigidly joined together by said auxiliary frame, a derrick boom adapted to be supported on either of said support frame mountings, a first line extended from one winch to said boom to raise and lower said boom, and a second line from the other winch and supported by said boom to raise and lower a load carried by said second line.

2,425,664
CARRYING SCRAPER
Paul Zakel, Stockton, Calif.
Application July 10, 1945, Serial No. 604,211
6 Claims. (Cl. 37—126)



1. In a carrying scraper which includes a bowl having an initially open front end portion, and a front apron unit mounted for movement between open and closed positions relative to said open front end portion; the front apron unit including transversely extending top and bottom plates, means pivotally mounting the top plate for swinging movement about a transverse axis adjacent its upper edge, the top and bottom plates being hinged along adjacent edges for forward articulation, and means to swing the apron unit about said axis back and forth between a downwardly extended, bowl closing position and an elevated and articulated bowl opening position; said last named means including a tension spring connected between the top plate of the apron unit and an elevated point on the scraper.

2,425,665
IMPLEMENT OR TOOL
Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application June 7, 1945, Serial No. 598,081
8 Claims. (Cl. 306—7)



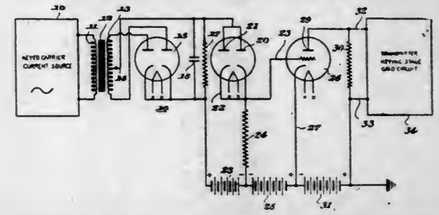
1. An implement or tool comprising a handle, a socket member swiveled upon the outer end portion of said handle for rotative adjustments relative thereto, a work-performing unit extending from said socket member and mounted for rotative adjustments therewith relative to said handle and for swinging adjustments relative thereto in a plane including the longitudinal axis of said handle, and means for locking said socket member securely with respect to said handle and said unit securely with respect to said socket member in any position of adjustment of said socket member relative to said handle and any position of adjustment of said unit relative to said socket member.

2,425,666
PROCESS OF POLYMERIZATION
Carl E. Barnes, Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1945, Serial No. 576,157
10 Claims. (Cl. 18—58)

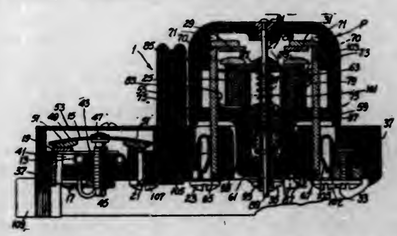
6. In the production of shaped articles by the polymerization, in a rigid mold, of polymerizable organic compounds which form a hard resin on polymerization, the method of maintaining the volume of the material being polymerized substantially constant during polymerization, which comprises raising the temperature of the material being polymerized during the course of polymerization and, as it tends to become more dense, to cause the same to expand, and so regulating the increase in temperature at such a predetermined rate that the thermal expansion of the material being polymerized slightly exceeds the shrinkage of the same due to polymerization.

2,425,667
ELECTRONIC KEYING CIRCUIT
Fred M. Berry, Kansas City, and William R. Lewis, Independence, Mo.
Application June 25, 1945, Serial No. 601,366
5 Claims. (Cl. 250—17)

1. A transmitter keying circuit responsive to the keyed impulses of alternating current applied to the input of a rectifier circuit, a resistor condenser filter circuit connected to the output of said rectifier circuit to provide a pulsating direct current proportional to the alternating current input to said rectifier, an electron tube having a cathode load resistor and a source of direct current potential connected in series with the pulsating direct current output of said filter circuit, the polarity of said direct current source opposing the polarity of said pulsating direct current, the potential value of said direct current source being equal to not more than the minimum value of said pulsating direct current whereby the electron tube will be rendered non-conductive when there is a pulsating direct current at the output of said filter circuit and will be conductive when there is no pulsating direct current, and relay means actuated by the voltage drop across said cathode load resistor for keying the transmitter.

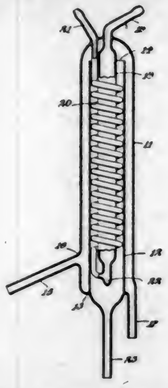


2,425,668
MOTOR STARTING AND PROTECTIVE APPARATUS
John D. Bolesky and Lewis W. Buell, Attleboro, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application December 20, 1943, Serial No. 515,012
6 Claims. (Cl. 172—279)



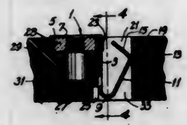
6. A motor starting and protective unit comprising a base, three terminals in the base, a plug, first, second and third terminal engaging elements carried by said plug and removably engageable with said terminals respectively, a relay switch in said plug comprising extensions from the first and second of said terminal engaging elements, movable switch contacts in the plug, a movable armature in said plug operating said contacts, an electromagnetic coil operative upon said armature, said coil being connected to the first and third of said terminal engaging elements, said base having an opening, an extension on said plug adapted to enter said opening, said extension forming a hollowing portion and accommodating the armature, a thermostatic switch carried on said base, said thermostatic switch being connected in circuit with one of said terminals, said thermostatic switch adapted to be connected in the circuit with the running winding of a motor, said first and second terminals adapted to be connected in the circuit with the starting winding of a motor, said electromagnetic coil adapted to be connected in the circuit with the running winding of said motor but not in circuit with the starting winding.

2,425,669
CONDENSER
Raymond Barrington Brock, Croydon, England, assignor to Townson & Mercer Limited, Croydon, England, a British company
Application August 3, 1944, Serial No. 547,883
In Great Britain August 26, 1943
2 Claims. (Cl. 257—28)



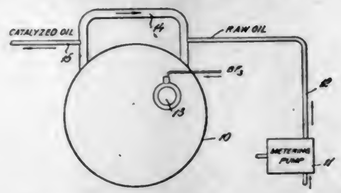
1. A condenser having an outer casing closed at one end and a single-walled inner casing disposed within said outer casing and united with said outer casing to form a jacket space, the said inner casing having its end which is adjacent the closed end of the outer casing open to said jacket space, the said outer casing having adjacent its end which is remote from its closed end an inlet for the fluid to be distilled into the said jacket space and an outlet from said jacket space at said end of said outer casing for impurities stripped from said fluid, the said outer casing having on its closed end inlet and outlet connections for a coolant, and a straight tube disposed within said inner casing and connected at one end to one of said coolant connections and connected at its other end to one end of a helical tube surrounding said straight tube, said helical tube being connected at its other end to the other of said coolant connections, and the said inner casing having at its end opposite to the end thereof open to said jacket space an outlet for the distillate therefrom.

2,425,670
ELECTRICAL TERMINAL CLIP
Lewis W. Buell, Rehoboth, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application September 4, 1943, Serial No. 501,214
5 Claims. (Cl. 173—363)



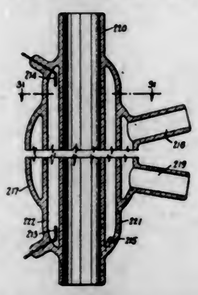
1. An electrical connector comprising an insulation member having a tine-receiving opening therethrough, one side wall of said opening having a pocket, a generally V-shaped spring contact clip wedged into the opening with one of its arms engaging said one side wall and with its other arm angled across the opening and engaging the opposite side wall, the apex of said clip being adjacent one end of the opening and adjacent said one side wall, said one arm having a projection extending into the pocket and also having a tab extending laterally outward from its free end in engagement with said insulation member adjacent the other end of the opening.

2,425,671
PROCESS OF POLYMERIZING
George S. Crandall, Woodbury, and Carleton H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 17, 1942, Serial No. 458,620
5 Claims. (Cl. 260—407)



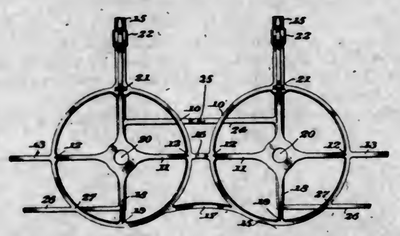
1. A process of preparing a reaction mixture of a drying oil with a polymerization catalyst for such reaction which comprises circulating a body of said oil in a cyclic mixing zone including a mixing stage, adding said catalyst to said oil in said mixing stage, subjecting the oil in said zone to agitation capable of efficiently dispersing the catalyst in the oil and of dispersing local masses of any plastic solid or semi-solid phase formed, adding fresh oil to said zone prior to said mixing stage and withdrawing mixture from said zone subsequent to said mixing stage at a rate substantially equivalent to the rate of said adding of fresh oil, said rate being not substantially greater than about 10% of the rate of flow in said cycle.

2,425,672
RAY-EMISSION MEANS
George G. Ellner, Long Island, N. Y.
Application April 23, 1943, Serial No. 484,156
1 Claim. (Cl. 250—43)



An apparatus for irradiating containers, comprising an endless conveyer comprising a plurality of connected links, each of said links being provided with a guide hole and a recess surrounding said hole, a vertically-disposed plunger slidable in said hole, said plunger having a roller at its lower end and a platform at its upper end, said platform being adapted to support a container to be irradiated, said platform being receivable in said recess when said plunger is at its lowermost position, an endless track disposed below said conveyer and having an undulatory surface, said roller being in continuous engagement with said surface, an endless carrier disposed above said conveyer, said carrier being provided with a plurality of connected members, at least one of said members carrying a pair of downwardly-disposed spaced guide rods and a ray-emission lamp disposed between said rods, a guide element slidable on said guide rods, said element having an opening and a recess communicating with said opening, said latter-mentioned recess being adapted to receive the upper end of a container when positioned on said platform, the portion of said surface of said track below said element being raised, said element being slidable upwardly on said guide rods by said container during upward movement of said plunger when said plunger is brought to a position in vertical alinement with said element whereby said lamp may project within said container to irradiate said container, means for energizing said lamp, and means for driving said conveyer and said carrier in unison.

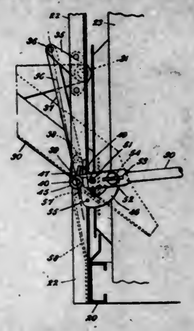
2,425,673
BRASSIÈRE
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to William J. Tilley, Bristol, Tenn.
Application February 2, 1945, Serial No. 575,779
3 Claims. (Cl. 2—42)



3. A brassière having a pair of bust pockets, adjustable shoulder straps secured to said bust pockets and a waistband secured to said bust pockets, each of said bust pockets comprising an annular member, a horizontally extending tape secured to each side of said annular member, a vertically extending tape permanently secured to the lower portion of said annular member and slidably secured to the upper portion of said annular member and extending therebeyond, said vertically extending tape intersecting said horizontally extending tape and being permanently secured to said horizontally extending tape adjacent the intersection, an aperture positioned in said tapes at their intersection, and means for adjustably connecting said vertically extending tape to said adjustable shoulder straps.

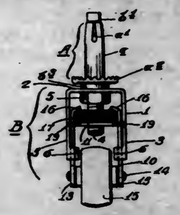
2,425,674
CHUTE ACTUATING MECHANISM FOR CONCRETE MIXERS
George A. Fleischmann, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Original application March 1, 1944, Serial No. 524,595. Divided and this application April 9, 1945, Serial No. 587,399
1 Claim. (Cl. 259—172)

In a concrete mixer having a mixing chamber, a material-transfer chute mounted for movement between an operative and an inoperative position in the former of which a major portion of the chute is within the chamber, and toggle-locking linkage for moving the chute between and retaining it in said positions; a quadrant arm for actuating said linkage; an operating lever pivotally carried by said arm for angular movement relative thereto without moving the chute; and latch means for temporarily interconnecting the lever and arm in alternative angular relationships, in



the normal one of which the lever projects longitudinally of the machine beyond the extremity of the external portion of the chute when the latter is in its operative position, while in the other of said relationships the lever will not project beyond said chute extremity.

2,425,675
CASTER
Benjamin P. Graff, Philadelphia, Pa., assignor to Charles R. Nalle, Philadelphia, Pa.
Application January 20, 1944, Serial No. 519,028
9 Claims. (Cl. 16—19)

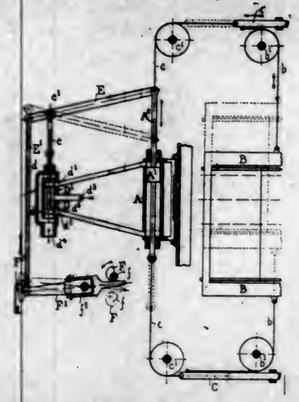


1. An adjustable caster comprising a rotatable stem, a support for rotatably supporting said stem adapted for rigid installation on an article to be maintained by said member, a telescoping structure comprising a pair of co-axial relatively slidable elements with one of said elements affixed at one of its ends to said stem adjacent said support, a floor engaging member carried by the opposite end of the second of said elements, and actuating means for said telescoping structure located within said structure intermediate said member and said support, said telescoping means being adapted for transmitting directly to said stem in a plane immediately adjacent said support lateral strains applied to said member at a point remote to said support.

2,425,676
HYDRAULIC SHEDDING MEANS
Thomas Hindle, Witton, Blackburn, England
Application September 23, 1944, Serial No. 555,492
In Great Britain October 18, 1943
16 Claims. (Cl. 139—55)

3. Means for actuating an operating element of a loom, comprising a fluid pressure operated power cylinder having a piston therein connected to said element, a controlling valve having fluid pressure connections with said cylinder for controlling the supply of pressure fluid thereto, op-

erating means for said valve, and means connecting said piston, valve and operating means for opening said valve to supply pressure fluid to



said cylinder to cause movement of said piston and for transmitting movement from said piston to said valve tending to close said valve.

2,425,677
FUNGICIDAL COMPOSITIONS
Wilbie S. Hinegardner, Niagara Falls, and Norman D. Scott, Sanborn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 2, 1945, Serial No. 591,635
6 Claims. (Cl. 167—26)

1. A fungicidal composition comprising a mixture of paraformaldehyde and sym.-trichloroaniline.

4. The method for preventing growth of fungi in an enclosed space which comprises simultaneously introducing into said space vapors of formaldehyde and sym.-tricholoroaniline.

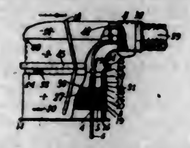
2,425,678
FUNGICIDAL COMPOSITIONS
Wilbie S. Hinegardner, Niagara Falls, and Joseph Frederic Walker, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 5, 1945, Serial No. 592,268
8 Claims. (Cl. 167—26)

1. A fungicidal composition comprising a mixture of paraformaldehyde and a dihydronaphthalene.

8. The method for preventing growth of fungi in an enclosed space which comprises simultaneously introducing into said space vapor of formaldehyde and 1,4-dihydronaphthalene in such proportion that the formaldehyde vapor constitutes from 50 per cent to about 85 per cent by weight the combined vapors.

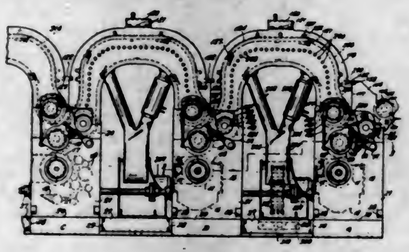
2,425,679
ELECTRIC COUPLING
Donald Jackson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application September 29, 1941, Serial No. 412,882
In Great Britain October 10, 1940
15 Claims. (Cl. 173—328)

1. For an electric coupling, a socket comprising an annular member which is formed as a stamping or pressing and has an inwardly directed shoulder at one end thereof, a disc of insulating material adapted to fit within said member and abut against its shoulder and having at least one aperture therein, a second disc of insulating material also adapted to fit within said member and lie adjacent said first disc and having apertures therein corresponding in position to the apertures in the first disc, a contact socket having out-



wardly extending portions adjacent its open end, which contact socket is adapted to pass through the aperture in said second disc and have its outwardly extending portions between said discs to hold the contact socket in position, and a retaining ring adapted to fit within said annular member and having outwardly turned lugs adapted to engage in apertures in said member to hold the insulating disc in position between said retaining ring and the shoulder.

2,425,680
PRINTING PRESS
Christen R. Kaddeland, Shelton, Conn., assignor to Harris-Seybold Company, a corporation of Delaware
Application September 4, 1941, Serial No. 409,547
33 Claims. (Cl. 101—184)



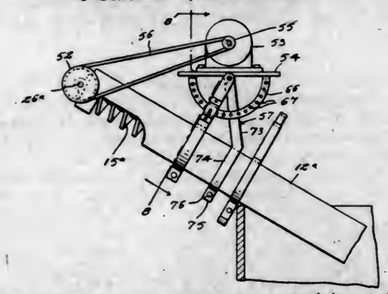
1. In a rotary multicolor printing press for printing on sheets, a plurality of printing units each comprising an impression cylinder, a printing cylinder and a rigid frame for supporting said cylinders, said frames being spaced apart to form a working space between adjacent units, means for conveying sheets in register from one unit to the next over said working space, and means at one lateral end only of said printing units for rigidly joining said spaced apart frames, said working space being substantially unobstructed at the other end beneath the conveyor.

4. In a multicolor printing press for printing on sheets, spaced printing units, a drive member, separate driving connections between said member an deach of said units, a flexible endless conveyor having sheet grippers for conveying a sheet from one unit to the next including means for registering the sheet grippers first with one unit and then with the other, and resilient means for supporting and tautening the advancing and returning runs of said conveyor adapted to permit either run to lengthen and the other to shorten under the influence of said registering means while maintaining both runs taut.

17. In a machine of the class described, a pair of parallel chains, a plurality of sheet gripper units carried thereby, each unit comprising a support bar having end portions slidably supported at a plurality of points by said chains, a normally rotating member, sprockets for said chains secured for rotation with said member, and means rotating with said member adapted to engage each bar in succession at a plurality of points between said end portions for clamping said bars to said member in accurately determined relation thereto during a portion of a rotation thereof.

25. In a sheetbed printing machine, a plurality of printing units, a flexible endless conveyor adapted to take sheets from one unit and convey them printed side down at overhead elevation to the next unit, perforate guide means above the path of the sheets, and means for playing upwardly directed streams of air against the sheets to hold them up against said guide means during their travel between units.

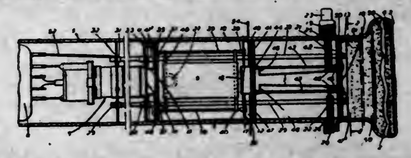
2,425,681
PORTABLE SCREW CONVEYOR
Aubrey W. Lewis and Wayne Glantz, Harvard, Nebr.
Application May 5, 1944, Serial No. 534,309
3 Claims. (Cl. 198—213)



1. A portable conveyor unit comprising a tubular member having an adjustable intake opening adjacent one end and a discharge opening adjacent the opposite end, a screw conveyor in said member, a power member, means supporting said power member on said tubular member, and a driving connection between said power member and said conveyor, said supporting means including a pair of clamping members attached around said tubular member having arms extending above said tubular member, a U-shaped member above said tubular member attached to the arms of one said clamping members, a base comprising a semicircular bar depending therefrom, a shaft engaging the ends of the extending arms of the clamping members, the arms of the U-shaped member, and said base, for rockably mounting said base, and correlated means carried by one of said clamping members and said semicircular bar for securing said base in selected angular position relative to said tubular member.

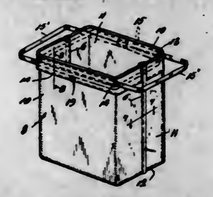
2,425,682
CATHODE-RAY TUBE WITH SHIELDED DEFLECTING PLATES
Gerhard Liebmann, Cambridge, England, assignor to Cathodeon Limited, Cambridge, England, a British company
Application August 30, 1944, Serial No. 551,863
In Great Britain August 19, 1943
17 Claims. (Cl. 250—158)

1. In a cathode ray tube, an electrostatically shielded beam deflecting structure comprising a plurality of deflecting plate units assembled in end to end relation, each unit including spaced insulating supports disposed transversely of the unit at opposite ends thereof, a pair of deflecting plates extending longitudinally of the unit between said supports, and means for supporting said plates from said supports, a metallic shielding tube embracing said assembly to enclose said units there-



within, and transverse metallic shielding means partitioning said tube into compartments each containing one of said units, whereby the pairs of deflecting plates of said units are electrostatically shielded from each other, said partitioning screening means and said supports having aligned apertures therein to permit an electron beam to pass therethrough.

2,425,683
WASHABLE FABRIC LUNCH BAG
Emma L. Martin, Dunbar, Pa.
Application September 26, 1945, Serial No. 618,626
1 Claim. (Cl. 150—1)

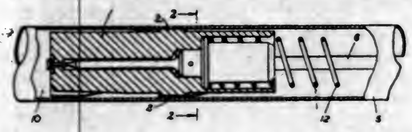


A lunch bag comprising a body formed from a single piece of water-proofed fabric, said body having a bottom and side walls and end walls and formed from a blank having rectangular end portions connected by a strip extending between their inner ends midway the width thereof, the blank being folded across ends of the said strip to form a bottom for the bag of the strip and the rectangular end portions having their side portions projecting from sides of the strip brought towards each other and sewed along the meeting margins to each other to form side walls integral with the bottom and end walls having vertical seams midway their width, lower ends of the end walls being seamed to the bottom, upper edge portions of the walls being folded and sewed to form a hemmed upper edge for the bag, there being openings formed through the side walls adjacent their upper ends in transverse spaced relation to each other, and a sheering cord threaded through the openings and the hemmed upper edges of its side walls with looped portions projecting from end walls of the bag and constituting handles for the bag, the side walls being constrictable along side portions of the sheering cord to constrict the upper portion of the bag and close the bag.

2,425,684
BREECH BOLT FOR FIREARMS
George William Patchett, Chigwell, England
Application February 7, 1944, Serial No. 521,402
In Great Britain October 25, 1943
4 Claims. (Cl. 42—16)

1. A firearm comprising, in combination, a bolt race having a longitudinally continuous interior

surface and a longitudinal slot in a side and open to the exterior thereof, and a breech bolt reciprocable longitudinally in said race and having a cocking handle connected thereto and extending through said slot to the exterior of the race, the breech bolt having lands extending helically on and projecting from its periphery and providing peripheral bearing surfaces which slidably engage



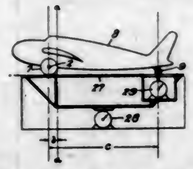
the interior surface of the bolt race to support the breech bolt therein and clear foreign matter from said surface, said lands providing a space between them to receive foreign matter cleared from said interior surface and communicating with said slot in the bolt race for conveyance of such foreign matter thereto.

2,425,685

MEANS FOR DETERMINING BALANCE

Joseph W. Pinder, Camp Hill, and Alexander Blair, Harrisburg, Pa.

Application November 14, 1944, Serial No. 563,390
3 Claims. (Cl. 73—65)



1. A device for indicating the permissible range and direction of movement of the center of gravity due to the load of an aircraft having supports located in planes transverse to its longitudinal axis comprising, weighing mechanism to support one of said supports of said aircraft while the other of said supports serves as a fulcrum, and an indicator connected to said weighing mechanism, said indicator comprising a pointer, a primary dial having two correlated series of graduations bearing indicia indicating respectively gross weight of the aircraft and corresponding weights of the weighed support, and a secondary dial rotatable relative to said primary dial and being of such size as to cover said gross weight graduations only and having a window therein through which a portion of said gross weight graduations and said pointer are visible, said window being proportioned to reveal only such segment of said gross weight graduations as represents permissible variations in center of gravity location for a given gross weight.

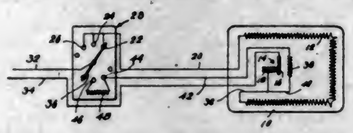
2,425,686

THERMOSTATIC CONTROL OF ELECTRIC HEATING PADS

Malcolm E. Porter, Middleboro, Mass., assignor to The Lobl Manufacturing Company, Middleboro, Mass., a corporation of Massachusetts

Application September 22, 1945, Serial No. 617,948
8 Claims. (Cl. 219—46)

1. A thermostatic control system comprising a main resistance heating element, a source of electrical potential electrically connected for energizing said element, temperature responsive means for making and breaking the electrical connection between said element and the source of electrical potential and located in heat-receiving relation to said element, an auxiliary resistance heater in heat-transferring relation to said temperature responsive means and connected in parallel with the main heating element with said temperature responsive means arranged for making and breaking the electrical connection between said auxiliary resistance heater and the source of electrical potential, manually operable means for controlling both the circuit to said main heating element and the parallel circuit to



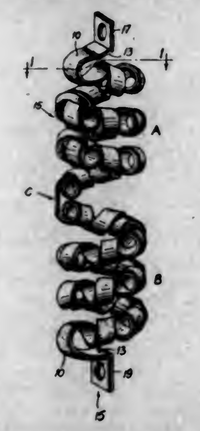
said auxiliary heating element, said manually operable means being movable to one position in which it closes the circuit to said main heating element and opens the parallel circuit to said auxiliary heating element, and to second and third positions wherein it closes both said circuits to energize both heating elements, there being resistance means associated with the manually operable means whereby the current flow to one of said heating elements is different in each of the three positions of the manually operable means.

2,425,687

COMPENSATING THERMOSTAT

Unto U. Savolainen, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application November 3, 1943, Serial No. 508,801
3 Claims. (Cl. 297—16)



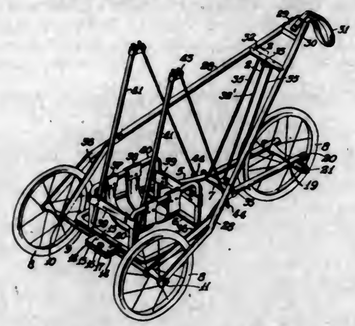
1. A thermostatic control member comprising two double helical sections, each of said sections comprising a bimetallic strip twisted to form a primary helix which is coiled as a secondary helix, said sections being joined endwise in substantial coaxial relationship, each of said sections being adapted for relative longitudinal movement and relative angular movement of its ends upon temperature change, the coils of the secondary helix in one of said sections being wound in the opposite direction to the coils in the other section, the direction of winding of the primary helices and the inside-outside relationship of the components of high and low coefficients of expansion in each of said sections being such that one of said movements of one section compensates for the corresponding movement of the other section while the other movement of one section is additive to the corresponding movement of the other section.

2,425,688

COLLAPSIBLE GOLF CLUB CARRIER

Bernard F. Schulte, Highland Park, Ill., assignor of one-half to Victor M. Langsett, Chicago, Ill.

Application June 6, 1945. Serial No. 597,725
12 Claims. (Cl. 280—36)



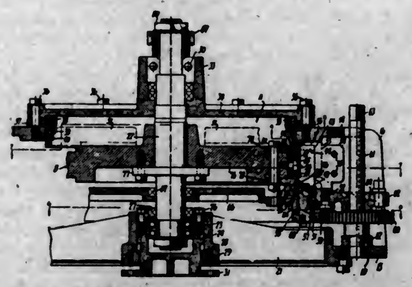
1. A carrier for golf bag and clubs comprising a frame mounted upon a plurality of wheels arranged for steering, means for pushing, pulling and steering by the operator directing the exerted force to the hubs of the forward wheels, pivot means maintaining a relative position between said operating means and said frame, means for collapsing said operating means over said wheeled frame, means for maintaining said collapsed position, means for supporting a golf bag and plurality of clubs upon said frame and collapsible means for holding said golf bag and clubs in an upright position.

2,425,689

TREATMENT OF FRUIT AND VEGETABLE JUICES

Henry G. Schwarz, Denver, Colo., assignor to The Schwarz Engineering Company, Inc., San Francisco, Calif., a corporation of Nevada

Original application February 16, 1940, Serial No. 319,292. Divided and this application June 9, 1943, Serial No. 490,393
8 Claims. (Cl. 99—105)



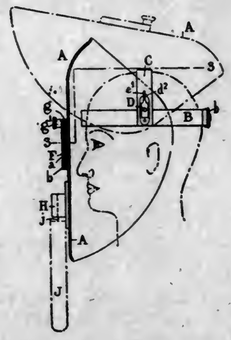
1. In a method of treating liquid materials of the class consisting of fruit and vegetable juices, which comprises continually feeding liquids to be treated to a confined space, subjecting the liquid during feeding thereof to a centrifugal force effect to cause a whirling movement thereof, restricting the flow of liquid into the space to form a liquid seal at the entrance portion of said space, introducing an inert gas into the space above said liquid seal to exclude the presence of oxygen, subjecting the liquid in said space to a centrifugal force effect, and finally subjecting the liquid to a screening effect while the liquid is still influenced by the centrifugal force.

2,425,690

WELDING HEAD SHIELD OR HELMET

John Strong, Hyde, England

Application March 14, 1944, Serial No. 526,361
In Great Britain April 7, 1943
2 Claims. (Cl. 2—8)



1. A welder's helmet comprising the combination with a mask portion, of a head harness including an adjustable head band and a second band secured at its ends to the head band and adapted to fit over the crown of the head of the wearer, and means at each side of the mask portion for removably and pivotally attaching the head harness thereto, each of such attaching means comprising a plate secured to the mask portion, a pivot pin projecting therefrom and a channel shaped member having resilient legs rotatably mounted on the pivot pin, a plate secured to the head harness and having two parallel flanges spaced at such a distance apart that the channel shaped member mounted on said pin can slide between them and be held by reason of the inherent resiliency of the legs thereof.

2,425,691

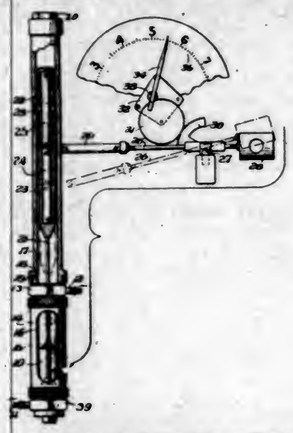
MAGNETIC COUPLE FOR FLOWMETERS OR THE LIKE

Nathaniel Brewer, Newtown, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania

Application September 25, 1945, Serial No. 618,539
11 Claims. (Cl. 73—209)

1. For use with a meter for measuring variations in a variable condition and having an element movable responsive to variations in said variable condition; a pair of end-to-end magnets carried by said element and movable therewith, said magnets having their similar poles disposed substantially in juxtaposition, a tiltably-mounted lever, a follower magnet carried by said lever, said follower magnet having one pole disposed adjacent the path of travel of said first-mentioned magnets, said adjacent pole of said follower magnet being magnetically opposite to the juxtaposed similar poles of said first-mentioned magnets,

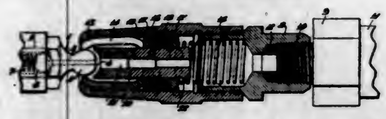
whereby movement of said first-mentioned magnets causes tilting of said lever, and means actuated by tilting of said lever for indicating variations in said variable condition.



2,425,692
COUPLER

Kenneth S. Clapp, Cincinnati, Ohio, assignor to Balcrank Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application August 19, 1944, Serial No. 550,200
2 Claims. (Cl. 285—169)



1. In a lubricating system a coupler adapted for engagement with a headed fitting attached to the part to be lubricated to deliver grease thereto, said coupler comprising a tubular member adapted to pass over and encompass the headed fitting, means actuated by the hydraulic pressure of the grease being delivered to clamp said headed fitting and hold it within the coupler, stop means incorporated in the wall of the tubular member and adapted to be engaged by said means which clamps the fitting for limiting its clamping movement, and a tubular sealing plunger devoid of cooperative connection with the clamping mechanism, adapted to be operated by the pressure of the grease being delivered to establish a sealing connection with the face of the headed fitting, the pressure area of the sealing connection subjected to the hydraulic pressure being less than the pressure area effective for clamping the fitting.

2,425,693
PREPARATION OF AMINOPROPIONITRILES

Elmer W. Cook, New York, N. Y., and Philip H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 22, 1944, Serial No. 564,710
3 Claims. (Cl. 260—247)

1. A method of producing an N-substituted β-aminopropionitrile which comprises reacting a β-alkoxypropionitrile with a compound chosen from the group consisting of a heterocyclic amine which contains a hydrogen atom connected to nitrogen, and an alkyl amine of the formula



wherein R represents an alkyl radical and R′ is a member of the group consisting of hydrogen and an alkyl radical under pressure at a temperature from 150 to 230° C.

2,425,694
SULFATOPROPIONAMID AND PREPARATION OF ACRYLIC ACID

Harold S. Davis, Greenwich, Myrl Lichtenwalter, Old Greenwich, and John G. Erickson, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 14, 1945, Serial No. 593,774
13 Claims. (Cl. 260—458)

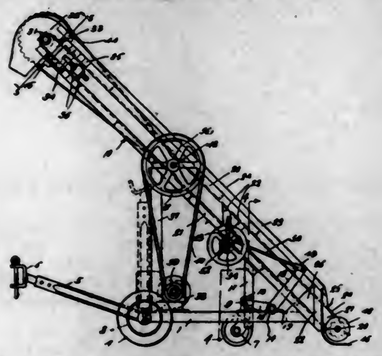
1. A method of preparing acrylic acid which includes the steps of reacting ethylene cyanohydrin with anhydrous sulfuric acid to produce β-sulfatopropionamide, adding water thereto, heating the mixture at a temperature sufficient to form acrylic acid and ammonium bisulfate, and recovering the acrylic acid therefrom.

9. β-sulfatopropionamide.

2,425,695
LOADER

John N. Fees, Spokane, Wash., assignor to Henry Brandt, Palouse, and L. O. Ballard, Spokane, Wash.

Application September 19, 1945, Serial No. 617,306
5 Claims. (Cl. 198—9)



4. A loader comprising a carriage, a conveyor frame over said carriage extending forwardly from the rear end thereof at an upward incline, a hood at the front end of said conveyor frame constituting a discharge spout, a shaft rotatably mounted across the rear end of said frame, a shaft rotatably mounted through said hood transversely thereof, sprocket wheels carried by the shafts, a pan extending longitudinally in the conveyor frame, an endless conveyor extending longitudinally in the conveyor frame and having chains trained about the sprocket wheels and cross blades carried by its chains, the upper flight of the endless conveyor moving upwardly along the way when the conveyor is in motion, said hood being shiftable longitudinally of the conveyor frame so set positions for tightening the chains, and means for rotating one shaft to impart motion to the endless conveyor.

2,425,696
EPILATOR

Dorothy Herrmann and Frank L. Haley, New York, N. Y., assignors, by direct and mesne assignments, of one-half to said Dorothy Herrmann and one-half to Ernest Herrmann, Great Neck, N. Y.

Application April 17, 1944, Serial No. 531,512
3 Claims. (Cl. 167—89)



1. In an epilatory device of the type comprising a carrier strip having an epilatory coating thereon; the combination in which the coating is composed by weight of about two-thirds colophony, about one-sixth of a relatively hard wax serving as a plasticizer and about one-sixth of mineral oil, the latter dissolving the colophony and the plasticizer at temperature in the order of the boiling point of water, for facility of application of the coating to the strip in the fabrication of the device, the colophony and the plasticizer being relatively hard at room temperature and constituting a relatively solid tacky mass.

2,425,697
LOW-TEMPERATURE LUMINESCENT LAMP

Rudolph C. Hultgren, Chicago, Ill., assignor to General Luminescent Corporation, Chicago, Ill., a corporation of Illinois

Application March 2, 1944, Serial No. 524,671
3 Claims. (Cl. 176—122)

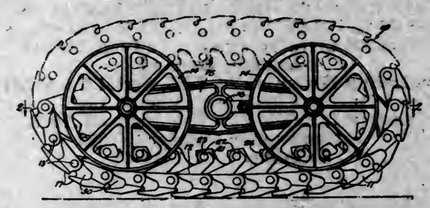


1. A low temperature luminescent cold cathode positive column discharge lamp comprising a glass envelope and electrodes at ends thereof, said envelope containing an ionizable gas at a pressure between about 4 mm. and 12 mm. and enough mercury to produce a saturated vapor thereof at the maximum operating temperature of the tube, said envelope having a center tubular portion with an inner surface coated with a luminescent material, enlarged portions forming mercury condensation chambers at ends of said center portion, and extensions from said condensation chambers, said extensions housing said electrodes and being of restricted cross section as contrasted with said condensation chambers and of such length that one end of each electrode is immediately adjacent the said enlarged portion and said condensation chambers being axially aligned with the electrodes immediately adjacent thereto, and also being of sufficiently larger cross section, as contrasted with remaining portions of the tube, that the said condensation chambers comprise the lowest temperature portions of the tube, when the tube is operated in an atmosphere between approximately 32° F. and 40° F.

2,425,698
TRACK WHEEL

Joseph Kuchar, Chicago, Ill., assignor to Athey Products Corporation, a corporation of Illinois

Application November 9, 1942, Serial No. 464,963
4 Claims. (Cl. 305—10)

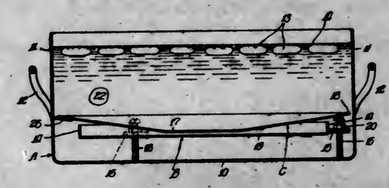


1. A one-piece link to be assembled by pintled interdigitation with like links into a self-trussing track for a track wheel, the link comprising a mounting, in two longitudinally spaced sections, for the pintle along the trailing side of the link; longitudinally spaced apart horizontal wheel seats over, and extending leadingly from, the respective pintle mounting sections; a longitudinally extending pintle mounting along the leading side and of an over-all length longitudinally of the link to be received between the trailing mounting sections of an adjoining link; a stop mounting rising centrally from the link of the leading side thereof and longitudinally spaced inwardly from the ends of the leading pintle mounting, for mounting a stop protruding longitudinally beyond the stop mounting at opposite sides thereof; a pair of longitudinally spaced hooks extending transversely of the link upwardly and trailingly from the leading pintle mounting in transverse alignment with the end portions of the latter and longitudinally beyond the stop mounting, whereby to straddle the stop mounting of an adjoining link inwardly of its wheel seats, the bights of the hooks being adapted to engage the stop of the adjoining link to limit the swing of the link, about the common pintle, away from the trailingly adjacent link; and a tread underlying the previously mentioned parts of the link.

2,425,699
DEVICE FOR DEEP FAT FRYING

Homer W. Kuehn and Fred G. Wheeler, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

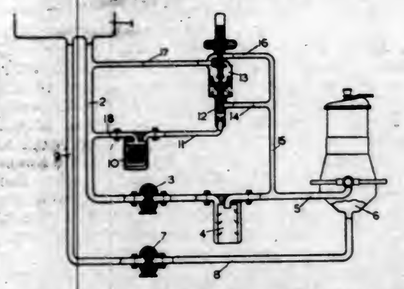
Application May 31, 1943, Serial No. 489,178
10 Claims. (Cl. 99—408)



1. A device for deep fat frying comprising a container having a heating surface and being adapted to hold frying fat to provide a deep fat cooking area, a collecting means, spaced from the bottom of said container for separating and retaining solids from said fat as the fat circulates from said area toward said surface, said means including a pan and a plate having a central opening over said pan, said pan and plate being imperforate except for said opening, said pan and plate being adapted to guide circulating fat

along the top of said pan so that solids separating from the fat are retained on said pan, the space between said means and said bottom being free so as to permit the passage of fat therethrough.

2,425,700
LUBRICANT CIRCULATING SYSTEM INCORPORATING FILTERING MEANS
Camille Clare Sprankling Le Clair, Acton, London, England
Application November 26, 1943, Serial No. 511,770
In Great Britain October 2, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires October 2, 1962
8 Claims. (Cl. 184—6)



1. In an engine lubricating system, a main circuit including an oil supply source, a main pump, main conduit means connecting said main pump with the point to be lubricated, and a coarse filter disposed in said main conduit means between said main pump and the point to be lubricated, whereby the latter is supplied with coarse filtered oil, a branch circuit from said main conduit means, said branch circuit including a supplementary pump, a connection between said main conduit means and the inlet of said supplementary pump, a fine filter connected to the outlet of said supplementary pump, said supplementary pump acting to force oil through said fine filter at a higher pressure than the main circuit pressure and to return it to said main circuit, and a connection between said fine filter and the main circuit, said main pump being adapted to withdraw sufficient oil from said supply source to supply the point to be lubricated and also to supply said branch circuit.

2,425,701
PROTECTIVE COVERING
Lawrence Lesser, New Rochelle, N. Y., assignor to L. Lesser & Co., a partnership
Application March 1, 1946, Serial No. 651,348
8 Claims. (Cl. 2—187)



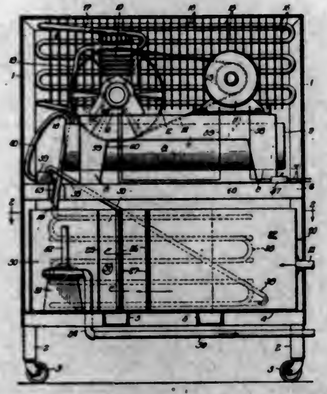
1. In a protective cap covering device comprising a plurality of panels associated together to form a shaped structure, the combination of a top fabric panel with a plurality of dependent fabric panels defining the sides and rear of said shaped structure, a front panel having a basis of a flexible, water-resistant transparent sheet material, and closure means cooperating with and dividing said dependent panels.

2,425,702
ELECTRIC HEATER
George M. Marr, New York, N. Y.
Application October 22, 1945, Serial No. 623,723
2 Claims. (Cl. 219—38)



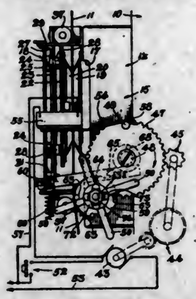
1. In a heater having a housing provided with an outlet opening in its upper front wall and inlet openings adjacent the bottom, said housing having an electric heating element extending horizontally therein at a position below the bottom of the outlet, an upper reflector extending rearwardly and downwardly from the top part of the front wall to direct rising heat rays forwardly through the outlet, a second flat reflector mounted forwardly of the heating element in inclined position with its bottom in close proximity to the front wall and its top part spaced substantially inwardly thereof so as to reflect the heat rays from the heating element inwardly from the front wall and toward the upper reflector, and a horizontally disposed reflector in the bottom of said housing beneath said heater to reflect heat rays upwardly to said reflectors to be directed through said outlet.

2,425,703
COOLANT CONDITIONING SYSTEM
Normand W. Morse, Chicago, Ill., assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill., a corporation of Illinois
Application October 23, 1943, Serial No. 507,374
5 Claims. (Cl. 62—141)



1. Refrigerating apparatus for conditioning sediment bearing coolants comprising a frame, a tank mounted on said frame, a sediment reservoir in said tank, an inlet for admitting sediment bearing coolant into said sediment reservoir, filter means including a wall of said reservoir arranged inside the tank, and a pump in the tank for removing coolant therefrom and thereby drawing liquid through the filter from the sediment tank into the reservoir.

2,425,704
POWER-DRIVEN INTERMITTENT STRIP FILM MECHANISM
Otto R. Nemeth, Chicago, Ill.
Application May 22, 1944, Serial No. 536,721
5 Claims. (Cl. 88—28)



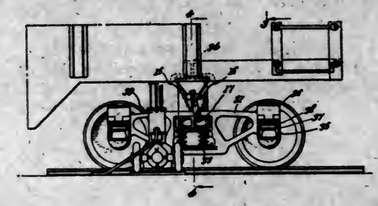
1. In a strip film projector construction, film guiding structure including means for releasably gripping a film strip therebetween to hold the strip in projecting position, means for actuating said gripping means to release the film for advancing movement, and means for intermittently advancing the film including an indexing structure adapted to define the limits of intermittent incremental frame-by-frame advance of the film strip, said indexing structure including a lever fulcrumed adjacent to the point at which it is active in the indexing structure and being movable in a given path in the operation of the indexing structure, said lever having a part thereof in addition to the requirements for indexing, said part extending beyond the indexing point and being effective in the movement of the lever to operate said gripper actuating means.

2,425,705
METHOD OF REMOVING MANGANESE FROM CALCIUM
Douglas Alexander Tetu, Haley, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario
No Drawing. Application October 31, 1945, Serial No. 625,945. In Canada August 17, 1945
3 Claims. (Cl. 75—67)

2. A method of removing manganese from calcium metal which comprises melting calcium and 0.1 to 15% of aluminum under reduced pressure in the presence of argon, further reducing the pressure and distilling the calcium from the mixture.

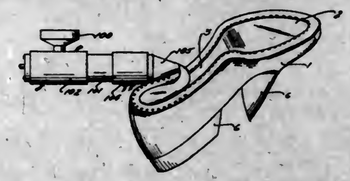
2,425,706
FREIGHT CAR TRUCK ASSEMBLY HOOK DEVICE
James D. Thress, Roanoke, Va., assignor to Charles M. O'Boyle, Wilmington, Del.
Application February 3, 1944, Serial No. 520,939
11 Claims. (Cl. 104—32)

1. In combination with a railway car having a transversely extending body bolster and a truck supporting the car body and having side frames resting upon the journals of the car axles with the intermediate portion of the side frames below said bolster and with such intermediate portions of the side frames having open areas below bar portions of the frames, an improved device of the kind described comprising means for coming together in opposite directions upon said



body bolster, a second means pivotally carried by said first means and adapted to swing in the direction of the length of the car body, said second means having a part constructed and arranged to enter said open area and to engage said bar portion of a truck side frame.

2,425,707
SHANK STIFFENER
Frederick P. Wagner, Normandy, Mo., assignor to Brauer Brothers Shoe Company, St. Louis, Mo., a corporation of Missouri
Application September 8, 1945, Serial No. 615,208
3 Claims. (Cl. 12—146)



1. In the art of shoe making, the process comprising assembling and securing an upper and insole to provide an open space between the inturned edges of the upper at the shank, providing an extrudable plastic material which when set has a flexual strength of at least 5,000 pounds per square inch, extruding the plastic into space unconfined, and depositing an elongated, coherent increment of the extruded plastic in the shank space without permitting the plastic to set, and thereafter applying an outsole over the deposited plastic.

2,425,708
CONTAINER
Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application August 18, 1944, Serial No. 550,057
2 Claims. (Cl. 229—5.5)



1. A container formed of sheet material comprising a tubular body of rectangular cross section, an end closure formed at its periphery with an uninterrupted inverted channel enclosing the end portion of the body and being sealed thereto, the sides of said channel adjacent each corner being pressed together to form a corner rib, and the channel intermediate the corners being inclined inwardly.

DESIGNS

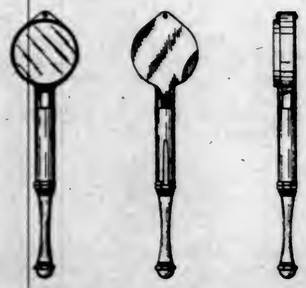
AUGUST 12, 1947

147,258
DESIGN FOR A FLASHLIGHT
Rodger F. Becker, Kalamazoo, Mich.
Application February 9, 1946, Serial No. 126,404
Term of patent 14 years
(Cl. D48—24)



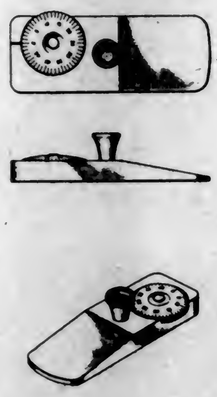
The ornamental design for a flashlight substantially as shown.

147,259
DESIGN FOR A LIP ROUGE MAKE-UP UNIT
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 128,324
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a lip rouge make-up unit, substantially as shown.

147,260
DESIGN FOR A SCORING TEE
Dorin A. David, Bakersfield, Calif.
Application April 22, 1946, Serial No. 128,838
Term of patent 3½ years
(Cl. D34—5)



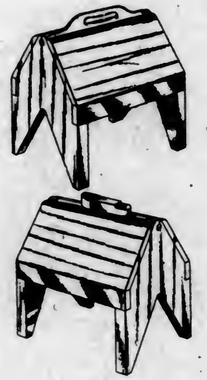
The ornamental design for a scoring tee, substantially as shown.

147,261
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 1, 1945, Serial No. 123,381
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

147,262
DESIGN FOR A SHOESHINE CABINET
William D. Dunn, Linden, N. J.
Application March 16, 1946, Serial No. 127,584
Term of patent 14 years
(Cl. D58—4)



The ornamental design for a shoeshine cabinet, as shown and described.

147,263
DESIGN FOR A FOUNTAIN PEN OR THE LIKE WITH SAFETY GUARD
Tyyne D. Flanagan, Chicago, Ill.
Application December 6, 1945, Serial No. 124,429
Term of patent 3½ years
(Cl. D74—17)



The ornamental design for a fountain pen or the like with safety guard, substantially as shown.

147,264
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Joseph Fleischer, New York, N. Y.
Application May 1, 1946, Serial No. 129,183
Term of patent 3½ years
(Cl. D45—10)



The ornamental design for a finger ring or similar article, as shown.

147,265
DESIGN FOR A CONTAINER FOR NAIL POLISH OR SIMILAR ARTICLE
Carl W. Gardiner, Short Hills, N. J., assignor to Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey
Application February 20, 1946, Serial No. 126,746
Term of patent 3½ years
(Cl. D58—9)



The ornamental design for a container for nail polish or similar article, substantially as shown.

147,266
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application July 8, 1946, Serial No. 131,371
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch, as shown.

147,267
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application July 8, 1946, Serial No. 131,372
Term of patent 3½ years
(Cl. D45—19)



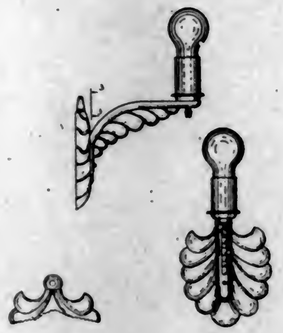
The ornamental design for a brooch, as shown.

147,268
DESIGN FOR A CLIP
Frank J. Gargano, Providence, R. I.
Application July 8, 1946, Serial No. 131,374
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a clip, as shown.

147,269
DESIGN FOR A PIN-UP LAMP
John Graham, New York, N. Y.
Application April 10, 1946, Serial No. 128,431
Term of patent 7 years
(Cl. D48—4)



The ornamental design for a pin-up lamp, as shown.

147,270
DESIGN FOR A CIGARETTE HOLDER
Vincent W. Jones, Cleveland Heights, Ohio
Application June 24, 1946, Serial No. 130,977
Term of patent 3½ years
(Cl. D85—8)



The ornamental design for a cigarette holder, as shown.

147,271
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 8, 1946, Serial No. 131,399
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,272
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 131,489
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

147,273
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 16, 1946, Serial No. 131,616
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,274
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 16, 1946, Serial No. 131,617
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,275
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 16, 1946, Serial No. 131,618
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,276
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 16, 1946, Serial No. 131,619
Term of patent 7 years
(Cl. D45—19)



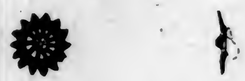
The ornamental design for a brooch or similar article, substantially as shown.

147,277
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,724
Term of patent 7 years
(Cl. D45—19)



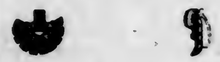
The ornamental design for a brooch or similar article, substantially as shown.

147,278
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,727
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,279
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,730
Term of patent 7 years
(Cl. D45—9)



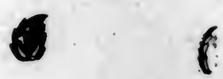
The ornamental design for an earring, substantially as shown.

147,280
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,733
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,281
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,734
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,282
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,735
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,283
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,737
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,284
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,741
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,285
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,742
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,286
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 131,748
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,287
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 131,888
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

147,288
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 131,890
Term of patent 7 years
(Cl. D45—9)



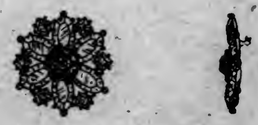
The ornamental design for an earring, substantially as shown.

147,289
DESIGN FOR AN EARRING
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 131,891
Term of patent 7 years
(Cl. D45—9)



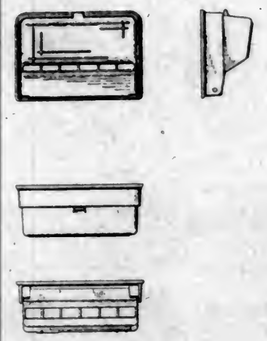
The ornamental design for an earring, substantially as shown.

147,290
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1946, Serial No. 131,997
Term of patent 7 years
(Cl. D45—19)



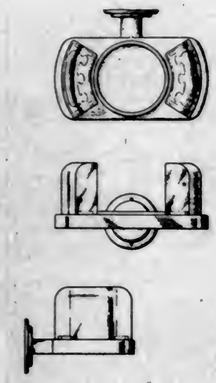
The ornamental design for a brooch or similar article, substantially as shown.

147,291
DESIGN FOR A TOOTHBRUSH HOLDER
Elwood T. Larkin, Buffalo, N. Y.
Application May 8, 1946, Serial No. 129,472
Term of patent 7 years
(Cl. D4—3)



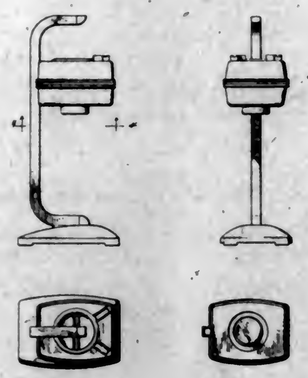
The ornamental design for a toothbrush holder, as shown.

147,292
DESIGN FOR A COMBINATION TOOTHBRUSH AND GLASS HOLDER
Robert F. McKee, Los Angeles, Calif.
Application March 23, 1946, Serial No. 127,830
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a combination toothbrush and glass holder, as shown.

147,293
DESIGN FOR A SMOKING STAND
Frederick T. Paden, United States Army, Collingswood, N. J.
Application April 18, 1945, Serial No. 119,079
Term of patent 7 years
(Cl. D85—2)



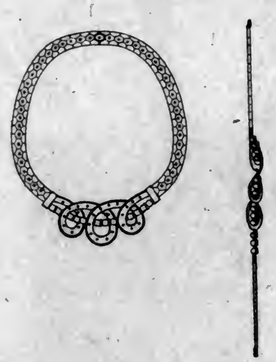
The ornamental design for a smoking stand, substantially as shown.

147,294
DESIGN FOR A SLIPPER
Arthur E. Pfeiffer, Worcester, Mass.
Application March 3, 1947, Serial No. 137,283
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown and described.

147,295
DESIGN FOR A NECKLACE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 16, 1946, Serial No. 131,613
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace, substantially as shown.

147,296
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 16, 1946, Serial No. 131,614
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

147,297
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 26, 1946, Serial No. 131,993
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring substantially as shown.

147,298
DESIGN FOR A BRACELET
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 26, 1946, Serial No. 131,994
Term of patent 7 years
(Cl. D45—4)



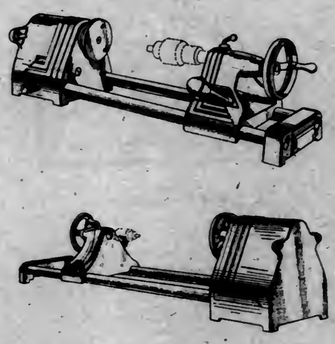
The ornamental design for a bracelet, substantially as shown.

147,299
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 26, 1946, Serial No. 131,995
Term of patent 7 years
(Cl. D45—19)



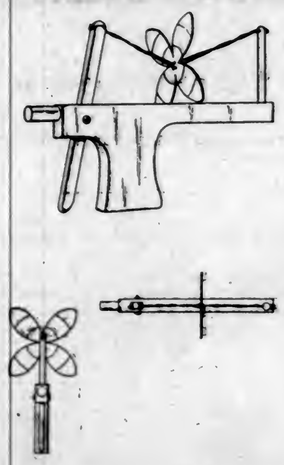
The ornamental design for a brooch or similar article, substantially as shown.

147,300
DESIGN FOR A WOODWORKING LATHE
Linn Edward Potter, Fayetteville, N. Y.
Application November 16, 1945, Serial No. 123,809
Term of patent 7 years
(Cl. D54—6)



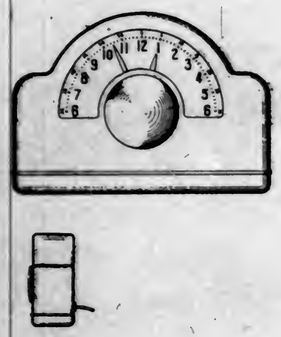
The ornamental design for a woodworking lathe, substantially as shown.

147,301
DESIGN FOR A WHIRLIGIG TOY
Harry E. Reynolds and Ignatius Montana, Brooklyn, N. Y.
Application May 7, 1946, Serial No. 129,617
Term of patent 3½ years
(Cl. D34—16)



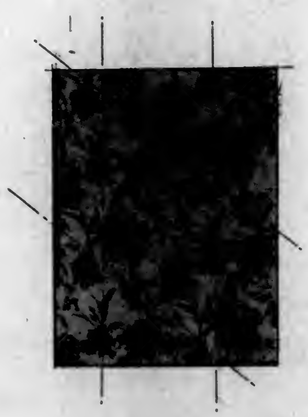
The ornamental design for a whirligig toy, as shown and described.

147,302
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Rodney G. Richardson, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application May 10, 1945, Serial No. 119,487
Term of patent 14 years
(Cl. D42—7)



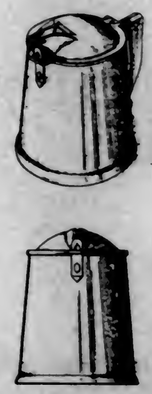
The ornamental design for a clock or similar article, substantially as shown and described.

147,303
DESIGN FOR A TEXTILE FABRIC
Doris Rosenthal, Norwalk, Conn.
Application February 6, 1947, Serial No. 136,727
Term of patent 3½ years
(Cl. D02—1)



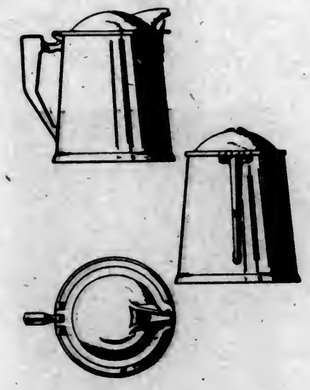
The ornamental design for a textile fabric, substantially as shown and described.

147,304
DESIGN FOR A COVERED PITCHER
Jacob L. Sager, Smithton, Pa.
Application April 15, 1947, Serial No. 138,421
Term of patent 14 years
(Cl. D44—21)

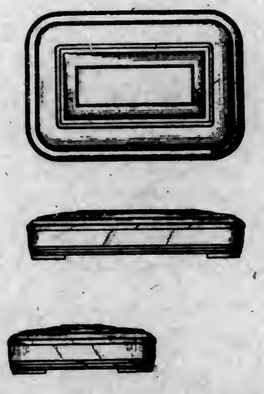


The ornamental design for a covered pitcher, as shown.

147,304—Continued

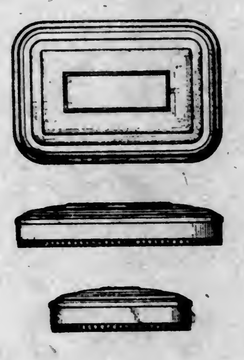


147,305
DESIGN FOR A CHEST FOR SILVERWARE OR THE LIKE
Albert E. Sloan, Chicago, Ill.
Application March 22, 1946, Serial No. 127,779
Term of patent 3½ years
(Cl. D58—11)



The ornamental design for a chest for silverware or the like, as shown.

147,306
DESIGN FOR A CHEST FOR SILVERWARE OR THE LIKE
Albert E. Sloan, Chicago, Ill.
Application March 22, 1946, Serial No. 122,780
Term of patent 3½ years
(Cl. D58—11)



The ornamental design for a chest for silverware or the like, as shown.

147,307
DESIGN FOR AN EGG SEPARATOR
William V. Smith, Casper, Wyo., assignor of fifty per cent to Nellie May Smith, Casper, Wyo.
Application March 25, 1946, Serial No. 127,973
Term of patent 3½ years
(Cl. D48—29)



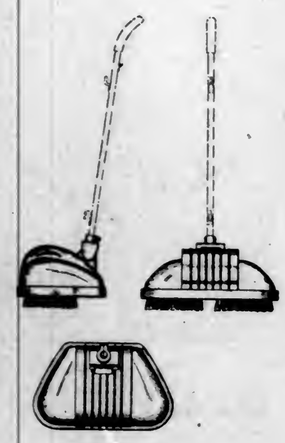
The ornamental design for an egg separator, as shown.

147,308
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
John Fossey Steel, New York, N. Y., assignor to Steel-Walters Corporation, New York, N. Y.
Application October 5, 1946, Serial No. 133,798
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a sandal or similar article, as shown.

147,309
DESIGN FOR A FLOOR POLISHER
Te Lou Tchang, New York, N. Y.
Application May 17, 1946, Serial No. 129,766
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polisher, substantially as shown.

147,310
DESIGN FOR PRINTED FABRIC
Ethelle Thompson, Los Angeles, Calif., assignor to Ethelle, Inc., Los Angeles, Calif., a corporation of California
Application February 21, 1947, Serial No. 137,089
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for printed fabric, as shown and described.

147,311
DESIGN FOR AN INFANT'S SANDAL
Berce L. Veach, St. Louis, Mo.
Application November 21, 1946, Serial No. 134,969
Term of patent 7 years
(Cl. D7—7)



The ornamental design for an infant's sandal, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abeln, Henry, Tobacco Co., Inc., St. Louis, Mo. Cigars. Serial No. 506,217; Aug. 12. Class 17.
Altman, B., & Co., New York, N. Y. Jewelry and silver tableware. Serial No. 516,752; Aug. 12. Class 28.
American Bleached Goods Company, Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 512,559; Aug. 12. Class 42.
American Cyanamid Company, New York, N. Y. Multivitamin preparations. Serial No. 517,224; Aug. 12. Class 6.
American Cyanamid Company, New York, N. Y. Benzene hexachloride insecticide. Serial No. 517,225; Aug. 12. Class 6.
American Hide and Leather Company, Boston, Mass., and elsewhere. Side upper leather. Serial No. 512,891; Aug. 12. Class 1.
American Home Products Corporation, assignor to Ives-Cameron Company, Inc., New York, N. Y. Enzymatic hydrolysate with added vitamins. Serial No. 511,782; Aug. 12. Class 6.
Ampco Metal, Inc., Milwaukee, Wis. Wear resistant and corrosion resistant machine parts. Serial No. 492,021; Aug. 12. Class 23.
Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. Serial No. 515,739; Aug. 12. Class 21.
Andrew's Coffee Co., New York, N. Y. Coffee. Serial No. 513,998; Aug. 12. Class 46.
Anne Undies Co., New York, N. Y. Ladies' and misses' slips, nightgowns, panties, etc. Serial No. 509,752; Aug. 12. Class 39.
Atlantic Steel Company, Atlanta, Ga. Alloy steel. Serial No. 517,286; Aug. 12. Class 14.
Attapulgus Clay Company, Wilmington, Del., and Philadelphia, Pa. Fuller's earth used as poultry litter or animal bedding. Serial No. 512,954; Aug. 12. Class 1.
Baker, Milton, doing business as Regal Specialty Mfg. Co., New Haven, Conn. Table cutlery and flatware. Serial No. 498,385; Aug. 12. Class 23.
Bardach-Schoene Company, Inc., Chicago, Ill. Artificial legs. Serial No. 519,718; Aug. 12. Class 44.
Baro, Joseph, Blue Island, Ill. Screen and storm window hangers. Serial No. 511,588; Aug. 12. Class 13.
Baybank Pharmaceuticals, Inc., New York, N. Y. Nebulizing or atomizing appliances. Serial No. 517,108; Aug. 12. Class 44.
Bear Hybrids Corn Co., Decatur, Ill. Hybrid seed for waxy-maize. Serial No. 493,424; Aug. 12. Class 1.
Beebe Brothers Rubber Company, Nashua, N. H. Heels and soles of rubber, plastic, and rubber composition. Serial No. 513,381; Aug. 12. Class 39.
Belding Heminway Company, New York, N. Y. Women's and misses' underwear. Serial No. 511,787; Aug. 12. Class 39.
Berger-Plate Company, Beverly Hills, Calif. Talc. Serial No. 499,756; Aug. 12. Class 1.
Bib-Ett Bib Company, Los Angeles, Calif. Infants' bibs. Serial No. 505,279; Aug. 12. Class 39.
Bonwit Teller, Inc., New York, N. Y. Perfumes. Serial No. 481,267; Aug. 12. Class 6.
Brisk Company, The, Dallas, Tex. Syrups for making non-alcoholic non-cereal, maltless beverages. Serial No. 506,859; Aug. 12. Class 45.
Bruzzichelli, Aldo, Co., New York, N. Y. Hosiery. Serial No. 509,623; Aug. 12. Class 39.
Burnett, Wm. T., & Co., Baltimore, Md. Cotton batting. Serial No. 511,597; Aug. 12. Class 1.
Central City Pickle Co., Peoria, Ill. Vinegar. Serial No. 513,027; Aug. 12. Class 46.
Chase Candy Company, assignee: *See*— Clinton Industries, Inc.
Chesterton, A. W., Company, Boston, Mass. Mechanical packings, sheet packings, rod packings, etc. Serial No. 503,498; Aug. 12. Class 35.
Chesterton, A. W., Company, Boston, Mass. Mechanical packings, sheet packings, rod packings, etc. Serial No. 504,882; Aug. 12. Class 35.
Chesterton, A. W., Company, Boston, Mass. Mechanical packings, sheet packings, rod packings, etc. Serial No. 507,887; Aug. 12. Class 35.
Citrus Foods Co., Inc., La Habra, Calif. Canned orange juice. Serial No. 514,330; Aug. 12. Class 46.
Clark, James G., doing business as Ridgeway Fertilizer Co., Lakehurst, N. J. Fertilizers. Serial No. 510,011; Aug. 12. Class 10.
Clinton Industries, Inc., doing business as Veribrite Factory, Chicago, Ill., assignor to Chase Candy Company. Candy. Serial No. 498,601; Aug. 12. Class 46.
Cook, Margaret J., Bethesda, Md. Jewelry. Serial No. 512,161; Aug. 12. Class 28.
Crane Co., Chicago, Ill. Fluid sealing, flexible gaskets in metallic and non-metallic materials. Serial No. 499,826; Aug. 12. Class 35.
Cutter Laboratories, Berkeley, Calif. Veterinary product. Serial No. 512,398; Aug. 12. Class 6.
Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Cologne and perfume. Serial No. 500,960; Aug. 12. Class 6.
Davis, Charles C., and Company, Chicago, Ill. Cotton clothes lines. Serial No. 516,675; Aug. 12. Class 7.
Day's Ideal Baby Shoe Company, Inc., Mrs., Danvers, Mass. House slippers. Serial No. 512,647; Aug. 12. Class 39.
Delbeau, Inc., New York, N. Y. Blouses, nightgowns, negligees, and underwear for women and children. Serial No. 511,864; Aug. 12. Class 39.
De Lesinskis, Leonid, New York, N. Y. Cosmetics. Serial No. 518,388; Aug. 12. Class 6.
Dougherty, George W., New York, N. Y. Comic magazines. Serial No. 498,690; Aug. 12. Class 38.
Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. Serial No. 495,222; Aug. 12. Class 42.
Electronic Displays, Inc., Newark, N. J. Electric signs. Serial No. 516,179; Aug. 12. Class 21.
Enoch, Hans E. N., London, England. Anti-bacterial preparations. Serial No. 472,048; Aug. 12. Class 6.
Eversharp, Inc., Chicago, Ill. Writing ink. Serial No. 519,390; Aug. 12. Class 11.
Food Machinery Corporation, San Jose, Calif., and Middleport, N. Y. Insecticidal composition. Serial No. 516,683; Aug. 12. Class 6.
Forrest, Inc., New York, N. Y. Preparation for use in the therapy of nutritional and secondary anemias. Serial No. 507,578; Aug. 12. Class 6.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 515,753; Aug. 12. Class 42.
Fritsch, Joseph, Three Oaks, Mich. Poultry medicine. Serial No. 507,581; Aug. 12. Class 6.
Fritzsche Brothers, Inc., New York, N. Y. Floral extractions, absolutes, concretes, concentrates, etc. Serial No. 517,714; Aug. 12. Class 6.
Fuldex Brush Works Ltd., London, England. Shaving brushes. Serial No. 517,470; Aug. 12. Class 29.
Galter Products Co., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 511,209; Aug. 12. Class 37.
Galter Products Co., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 511,210; Aug. 12. Class 37.
Genesee Trading Co., Inc., New York, N. Y. Perfumes. Serial No. 498,624; Aug. 12. Class 6.
George, Charles, New York, N. Y. Textile tablecloths and bridgetable cloths. Serial No. 502,132; Aug. 12. Class 42.
Georgia Kaolin Company, Elizabeth, N. J. Clay used in plastic molding powders. Serial No. 512,251; Aug. 12. Class 1.
Giraud, Madeleine: *See*— Vramant, Madeleine.
Givaudan-Delawanna, Inc., New York, N. Y. Fungicide. Serial No. 516,071; Aug. 12. Class 6.
Glidden Company, The, doing business as Metals Refining Company, Cleveland, Ohio, and Hammond, Ind. Metal powders. Serial No. 517,845; Aug. 12. Class 14.
Golden Arrow Toiletries, New York, N. Y. Face, bath, and liquid soaps, and shaving creams. Serial No. 510,781; Aug. 12. Class 4.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Poultry feed supplement. Serial No. 490,486; Aug. 12. Class 46.
Greer Hydraulics Inc., Brooklyn, N. Y. Hydraulic accumulators. Serial No. 494,969; Aug. 12. Class 23.
Gustin-Bacon Manufacturing Company, Kansas City, Mo. Cup and flat non-metallic gaskets. Serial No. 500,003; Aug. 12. Class 35.
Harrisburg Steel Corporation, Harrisburg, Pa. Pipe couplings and pipe flanges. Serial No. 511,214; Aug. 12. Class 13.
Harvey, Walter L., Marshalltown, Iowa. Cartoons. Serial No. 513,052; Aug. 12. Class 38.
Her Majesty Underwear Company, Leola, Pa. Women's, misses', junior misses', children's, toddlers', and infants' slips, half slips, panties, etc. Serial No. 511,390; Aug. 12. Class 39.
Hill, H. Stewart, doing business under the name of Kedron Company, Woodstock, Vt. Medical preparation in compressed tablet form. Serial No. 506,751; Aug. 12. Class 6.
Hillyard Chemical Company, St. Joseph, Mo. Liquid surgical soap. Serial No. 499,411; Aug. 12. Class 4.
Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 513,888; Aug. 12. Class 46.

Hood Chemical Co., Inc., New York, N. Y. Bowl cleaning compound. Serial No. 495,969; Aug. 12. Class 4.
Imperial Herb Products, Inc., Brooklyn, N. Y. Laxative tablets. Serial No. 518,230; Aug. 12. Class 6.
Industrial Brownhoist Corporation, Bay City, Mich. Trolleys; cranes; grab shovel and tub buckets, etc. Serial No. 512,261; Aug. 12. Class 23.
Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 500,757; Aug. 12. Class 11.
Iosec Products, Inc., New Brunswick, N. J. Balm for foot massage. Serial No. 507,058; Aug. 12. Class 6.
Iris Beauty Products, Brooklyn, N. Y. Hair shampoo and wave lotion. Serial No. 514,043; Aug. 12. Class 6.
Irresistible, Inc., New York, N. Y. Cologne for men. Serial No. 506,876; Aug. 12. Class 6.
Ives-Cameron Company, Inc., assignee: *See*—
American Home Products Corporation.
Jeweled Specs, Ltd., assignor to Tura, Inc., New York, N. Y. Spectacles. Serial No. 508,130; Aug. 12. Class 26.
Kathryn, Inc., assignee: *See*—
Daumit, Kay, Inc.
Kwyantee Candy Company, Passaic, N. J. Candy. Serial No. 500,394; Aug. 12. Class 46.
Kedron Company: *See*—
Hill, H. Stewart.
Kerrigan, Katherine, Waverly, N. Y. Bust form pads, shoulder pads, and bustles. Serial No. 500,227; Aug. 12. Class 40.
Langley Corporation, San Diego, Calif. Mechanisms for controlling the tabs of aircraft control surfaces. Serial No. 473,644; Aug. 12. Class 23.
Lee, Guy, Leather Co., Inc., Philadelphia, Pa. Sole leather. Serial No. 502,441; Aug. 12. Class 1.
Lehn & Fink Products Corporation, Bloomfield, N. J. Preparations recommended for germicidal, bactericidal, bacteriostatic purposes, etc. Serial No. 516,621; Aug. 12. Class 6.
Le John Manufacturing Company, Huntington, W. Va. Electric fans. Serial No. 508,168; Aug. 12. Class 21.
Levy, S. Harold, Inc., New York, N. Y. Children's apparel. Serial No. 512,182; Aug. 12. Class 39.
Lewis-Hubbard Corporation, Charleston, W. Va. Lye for household use, baking soda, laundry gloss starch. Serial No. 506,946; Aug. 12. Class 6.
Lilli Ann Corp., San Francisco, Calif. Ladies' coats, suits, dresses, and fur trimmed coats. Serial No. 508,051; Aug. 12. Class 39.
Linsk of California, Inc., Los Angeles, Calif. Children's, girls', and misses' dresses. Serial No. 506,112; Aug. 12. Class 39.
Logansport Distilling Company, Inc., Philadelphia, Pa. Whiskey. Serial No. 505,757; Aug. 12. Class 49.
Lomex, Incorporated, New York, N. Y. Girdles and brassières. Serial No. 511,950; Aug. 12. Class 39.
Luyties Pharmacal Company, St. Louis, Mo. Laxative medicines. Serial No. 518,610; Aug. 12. Class 6.
Marine Optical Mfg. Co., Roslindale, Boston, Mass. Spectacles, goggles, sun glasses, and frames therefor. Serial No. 486,322; Aug. 12. Class 26.
Masland, C. H., & Sons, Carlisle, Pa. Sportswear. Serial No. 506,880; Aug. 12. Class 39.
Master Electric Company, The, Dayton, Ohio. Fixed ratio speed changers and stepless variable ratio speed changers. Serial No. 471,265; Aug. 12. Class 23.
McDonald, J. G., Mrs. Chocolate Company, Salt Lake City, Utah. Chocolates. Serial No. 514,122; Aug. 12. Class 46.
McNeil Laboratories, Incorporated, Philadelphia, Pa. Liver and vitamin preparation. Serial No. 516,707; Aug. 12. Class 6.
McQuay-Norris Manufacturing Co., St. Louis, Mo. Piston rings and expanders therefor. Serial No. 514,978; Aug. 12. Class 35.
Merrill Candy Company, Merrill, Wis. Bar candy. Serial No. 489,811; Aug. 12. Class 46.
Metals Refining Company: *See*—
Glidden Company, The.
Michigan Chemical Corporation, St. Louis, Mich. Liquid chemical composition. Serial No. 516,710; Aug. 12. Class 6.
Miller, William J., Milwaukee, Wis. Electric lamps. Serial No. 515,630; Aug. 12. Class 21.
Milprint, Inc., Milwaukee, Wis. Colored or uncolored transparent, translucent or opaque elastic calendered film. Serial No. 499,646; Aug. 12. Class 50.
Mils, Inc., Toledo, Ohio. Vitamin and mineral preparations. Serial No. 516,145; Aug. 12. Class 6.
Misuraca, Louis J., Glendale, Calif. Perfume. Serial No. 475,300; Aug. 12. Class 6.
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 513,443; Aug. 12. Class 1.
Monogram Company of California, San Francisco, Calif. Paper napkins, paper coasters, paper towels, etc. Serial No. 507,207; Aug. 12. Class 37.
Monsanto Chemical Company, St. Louis, Mo. Curling agent for wool fibers. Serial No. 513,673; Aug. 12. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins for general use in the treatment of textiles. Serial No. 513,675; Aug. 12. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical toxicants. Serial No. 518,614; Aug. 12. Class 6.
Moreno Textiles Inc., New York, N. Y. Ticking. Serial No. 512,919; Aug. 12. Class 42.
Nash Inc., Jersey City, N. J. Bill folds, pocket books, purses, and wallets. Serial No. 517,793; Aug. 12. Class 3.
Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Foundry or casting copper ingots. Serial No. 517,079; Aug. 12. Class 14.
Nelson Machine Works: *See*—
Nelson, Nels I.
Nelson, Nels I., doing business as Nelson Machine Works, Seattle, Wash. Tractors and parts thereof. Serial No. 501,191; Aug. 12. Class 23.
Newcraft Leather Products Co., New York, N. Y. Ladies' and misses' handbags and purses. Serial No. 517,820; Aug. 12. Class 3.
Old Dutch Mustard Co., Inc., Brooklyn, N. Y. Prepared mustard. Serial No. 493,074; Aug. 12. Class 46.
Oliver Corporation, The, Chicago, Ill. Tractors and parts thereof. Serial No. 513,454; Aug. 12. Class 23.
Onyx Oil & Chemical Company, Jersey City, N. J. Wetting and emulsifying agent and penetrant used in the textile industry. Serial No. 515,898; Aug. 12. Class 6.
Operadio Manufacturing Co., St. Charles, Ill. Amplifiers. Serial No. 517,086; Aug. 12. Class 21.
Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. Serial No. 515,901; Aug. 12. Class 46.
Parfums Verlayne, Société a Responsabilité Limitée, Paris, France. Perfumes and toilet water. Serial No. 507,840; Aug. 12. Class 6.
Penn-Dutch Lebanon Bologna, Inc., Philadelphia, Pa. Lebanon bologna. Serial No. 513,898; Aug. 12. Class 46.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 493,692; Aug. 12. Class 6.
Phillips-Jones Corporation, New York, N. Y. Sweaters, dress shirts, sports shirts, etc. Serial No. 513,764; Aug. 12. Class 39.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Floor, table, boudoir, and desk lamps and lamp shades. Serial No. 516,504; Aug. 12. Class 21.
Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic jugs. Serial No. 520,764; Aug. 12. Class 2.
Producer's Fruit Distributors, Fresno, Calif. Fresh wine grapes. Serial No. 495,094; Aug. 12. Class 46.
Regal Specialty Mfg. Co.: *See*—
Baker, Milton.
Regan, G. P., & Sons, Belmont, Calif. Harmonicas. Serial No. 512,797; Aug. 12. Class 36.
Rex Cutlery Corporation, Irvington, N. J. Manicure implements. Serial No. 519,416; Aug. 12. Class 44.
Ridgeway Fertilizer Co.: *See*—
Clark, James G.
Riviera Company, The, Burbank, Calif. Ice cream. Serial No. 502,846; Aug. 12. Class 46.
Roche-Organon Inc., Nutley, N. J. An oral form of estrogenic and progestogenic preparations. Serial No. 517,523; Aug. 12. Class 6.
Roerig, J. B., & Company, Chicago, Ill. Medicinal preparation. Serial No. 518,252; Aug. 12. Class 6.
Rogers & Company: *See*—
Rogers, Landon L.
Rogers, Landon L., doing business as Rogers & Company, Chicago, Ill. Powdered custard mix. Serial No. 513,340; Aug. 12. Class 46.
Rolley, Inc., San Francisco, Calif. Perfumes, colognes, hand creams. Serial No. 506,697; Aug. 12. Class 6.
Royal Confectionery Co., Boston, Mass. Candy. Serial No. 513,584; Aug. 12. Class 46.
Rubinstein, Helena, Inc., New York, N. Y. Perfume. Serial No. 516,576; Aug. 12. Class 6.
Saenz, Briones & Cia, Buenos Aires, Argentina. Rouge, lip stick, face powder, etc. Serial No. 481,650; Aug. 12. Class 6.
San Jacinto Bottling Company, Houston, Tex. Nonalcoholic maltless beverages. Serial No. 504,511; Aug. 12. Class 45.
Savel, Louis A., Paris, France. Pastry, candies, cocoa, etc. Serial No. 514,996; Aug. 12. Class 46.
Schenley Laboratories, Inc., New York, N. Y. Penicillin. Serial No. 516,580; Aug. 12. Class 6.
Schroeder, Robert D., Valentine, Nebr. Beverage. Serial No. 506,131; Aug. 12. Class 45.
Scots Guard, Inc., Waterbury, Conn. Automatic mechanical fire alarms. Serial No. 505,987; Aug. 12. Class 23.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Nonmetallic washers, nonmetallic faucet cushions, and nonmetallic bibb washers. Serial No. 458,571; Aug. 12. Class 35.
Sheffield Farms Company, Inc., New York, N. Y. Amino acid preparations. Serial No. 485,161; Aug. 12. Class 6.
Shields, Bernadine L., Whiting, Ind. Finger rings. Serial No. 516,795; Aug. 12. Class 28.
Sonotone Corporation, Elmsford, N. Y. Hearing aid devices and parts thereof. Serial No. 480,033; Aug. 12. Class 44.
Southland Garment Company, Inc., New York, N. Y. Men's and boys' outer sport shirts. Serial No. 514,568; Aug. 12. Class 39.

Staley Milling Company, North Kansas City, Mo. Hog and pig feed. Serial No. 513,590; Aug. 12. Class 46.
Tanglefoot Company, The, Grand Rapids, Mich. Paper used for wrapping paper, bags, tapes, and box liners. Serial No. 510,810; Aug. 12. Class 37.
Tarno Co., The, Manhattan Beach, Calif. Metal tarnish preventative. Serial No. 511,514; Aug. 12. Class 6.
Tennessee Eastman Corporation, Kingsport, Tenn. Chemical composition comprising cellulose organic acid ester or mixed esters, etc. Serial No. 506,847; Aug. 12. Class 6.
Tennessee Eastman Corporation, Kingsport, Tenn. Synthetic staple fiber. Serial No. 512,351; Aug. 12. Class 1.
Texas Company, The, New York, N. Y. Lubricating grease. Serial No. 511,654; Aug. 12. Class 15.
Thompson-Hayward Chemical Company, Kansas City, Mo. Rodenticide. Serial No. 511,840; Aug. 12. Class 6.
Trentini's Winery, Camden, N. J. Wines. Serial No. 503,402; Aug. 12. Class 47.
Tura, Inc., assignee: *See*—
Jeweled Specs, Ltd.
Tyler Products Inc., New York, N. Y. Sanitizers and germicides. Serial No. 506,788; Aug. 12. Class 6.
United Wallpaper, Inc., Chicago, Ill. Wallpapers. Serial No. 502,411; Aug. 12. Class 37.
U. S. Vitamin Corporation, New York, N. Y. One member of the vitamin B complex which has been isolated and synthesized as folic acid. Serial No. 511,775; Aug. 12. Class 6.
Vega Company, The, Boston, Mass. Banjos. Serial No. 511,846; Aug. 12. Class 36.
Venbrite Factory: *See*—
Clinton Industries, Inc.
Vramant, Madeleine, born Madeleine Giraud, Paris, France. Girdles. Serial No. 508,173; Aug. 12. Class 39.
Warner, William R., & Co., Inc., New York, N. Y. Composition of penicillin and aluminum hydroxide with calcium carbonate. Serial No. 516,649; Aug. 12. Class 6.
Wenzel, H., Tent & Duck Co., assignor to H. Wenzel Tent & Duck Co., St. Louis, Mo. Tarpaulins. Serial No. 501,035; Aug. 12. Class 50.
Wexler, David, & Company, Chicago, Ill. Batons. Serial No. 511,255; Aug. 12. Class 36.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 228,561; renewed June 7, 1947. O. G. Aug. 12. Class 23.
Acme Visible Records, Inc., Chicago, Ill. Bound photograph albums. 431,986; Aug. 12. Class 37.
Advance Packing & Supply Co., Chicago, Ill. Mechanical packing. 431,979; Aug. 12; Serial No. 510,568; published May 6, 1947. Class 35.
Advertising Arts Corporation, New York, N. Y. Lipsticks. 432,019; Aug. 12. Class 6.
Allen, Joseph, & Sons Limited, Sheffield, England. Knives, forks, scissors, etc. 59,672; re-renewed Jan. 15, 1947. O. G. Aug. 12. Class 23.
Allen Products Company: *See*—
Hunsicker, Robert F.
Aluminum Goods Manufacturing Co., Manitowoc, Wis. Aluminum-ware. 229,390; renewed June 28, 1947. O. G. Aug. 12. Class 13.
Alvos, Dell, doing business as Sultech Company, Guadalupe, Calif. Sulphur dioxide. 431,879; Aug. 12; Serial No. 502,176; published Apr. 22, 1947. Class 6.
American Cellulose & Chemical Manufacturing Company, Ltd., The, New York, N. Y., now by change of name Celanese Corporation of America, to Celanese Corporation of America. Woven, knitted, netted, and textile fabrics in the piece. 229,356; renewed June 28, 1947. O. G. Aug. 12. Class 42.
American Cyanamid Company, assignee: *See*—
Lederle Laboratories, Inc.
American Home Foods, Inc., New York, N. Y. Coffees. 431,952; Aug. 12; Serial No. 506,287; published May 6, 1947. Class 46.
American Home Foods, Inc., New York, N. Y. Broths, coffees, coffee extracts. 431,953; Aug. 12; Serial No. 506,288; published May 13, 1947. Class 46.
American Trade Publishing Co., New York, N. Y. Weekly magazine. 432,050; Aug. 12. Class 38.
American Woolen Company, Boston, Mass., and New York, N. Y. Ladies' and children's coats and suits. 431,989; Aug. 12. Class 39.
Anglo-French Drug Co.: *See*—
Claivaz, Joseph.
Apex Electrical Manufacturing Co., The, Cleveland, Ohio. Electrically operated motors, fans, exhaust blowers, etc. 223,212; renewed Jan. 18, 1947. O. G. Aug. 12. Class 21.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Face and body creams. 431,994; Aug. 12. Class 6.
Armstrong Cork Company, Pittsburgh, to Armstrong Cork Company, Lancaster, Pa. Fabric-faced sheets of cork composition. 226,652; renewed June 7, 1947. O. G. Aug. 12. Class 50.
Arnold, Hoffman & Co. Incorporated, Providence, R. I. Coloring products. 431,927; Aug. 12; Serial No. 504,654; published May 6, 1947. Class 6.
Associated Merchandising Corporation, New York, N. Y. Toilet and cleansing tissues. 431,895; Aug. 12; Serial No. 503,181; published May 13, 1947. Class 37.
Associated Merchandising Corporation, New York, N. Y. Lavender shaving bowl containing soap. 431,901; Aug. 12; Serial No. 503,859; published May 13, 1947. Class 4.
Associated Products, Inc., Chicago, Ill. Combination unit of lipstick and brush applicator. 431,823; Aug. 12; Serial No. 492,758; published Apr. 22, 1947. Class 6.
Associated Products, Inc., Chicago, Ill. Face lotions, skin bleaches, vanishing, cleansing, and cold creams, etc. 431,945; Aug. 12; Serial No. 505,549; published Apr. 22, 1947. Class 6.
Augusta Knitting Corporation: *See*—
Robiachow & Peckham Company.
Auto-Diesel Piston Ring Company, The, Cleveland, Ohio. Piston ring. 432,006; Aug. 12. Class 35.
Avon Products, Inc., New York, N. Y. Cosmetic make-up set. 432,035; Aug. 12. Class 6.
Ayer, Harriet Hubbard, Inc.: *See*—
French Beauty Products Co., Inc.
BIC Manufacturing Corporation, New York, N. Y. Applicators. 432,008; Aug. 12. Class 6.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis., to United States Rubber Company, New York, N. Y. Belts and belting made wholly or partly of rubber. 225,664; renewed Mar. 22, 1947. O. G. Aug. 12. Class 35.
Badger Rubber Works, The, Milwaukee and Cudahy, Wis., to United States Rubber Company, New York, N. Y. Belts and belting and transmission disks. 225,674; renewed Mar. 22, 1947. O. G. Aug. 12. Class 35.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Violin, violoncello, and viola bridges, etc. 222,776; renewed Jan. 11, 1947. O. G. Aug. 12. Class 36.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Safe combination knobs. 223,578; renewed Feb. 8, 1947. O. G. Aug. 12. Class 25.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Agitators and covers for washing machines and rings for laundry collectors. 224,206; renewed Feb. 22, 1947. O. G. Aug. 12. Class 24.
Bakelite Corporation, to Bakelite Corporation, New York, N. Y. Molding compounds and mixtures. 228,714; renewed June 7, 1947. O. G. Aug. 12. Class 21.
Baldwin Belting Inc., New York, N. Y. Leather belting. 432,014; Aug. 12. Class 35.
Bar F Products: *See*—
Foringer, John W. B.
Barron Chemical Corp., New York, N. Y. Drug. 431,836; Aug. 12; Serial No. 495,718; published Apr. 22, 1947. Class 6.
Bassi, Daniel, & Compañia, Sociedad Anónima Comercial e Industrial, Buenos Aires, Argentina. Chocolates, candy, bonbons, etc. 431,997; Aug. 12. Class 46.
Bayer Company, Inc., The, New York, N. Y., to Sterling Drug Inc., Wilmington, Del. Preparations or medicines for pains and aches of nervous or organic origin, etc. 229,153; renewed June 21, 1947. O. G. Aug. 12. Class 6.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 228,504; renewed June 7, 1947. O. G. Aug. 12. Class 39.
Beavermou Company, Jersey City, N. J. Preparation for the bleaching of furs. 431,890; Aug. 12; Serial No. 502,876; published May 13, 1947. Class 6.
Beers, Charles W., doing business as Identification Photo Service, San Francisco, Calif. Individual photographs. 431,891; Aug. 12; Serial No. 503,048; published May 6, 1947. Class 38.
Bell Aircraft Corporation, Town of Wheatfield, N. Y. Helicopters and structural parts thereof. 431,964; Aug. 12; Serial No. 507,863; published May 13, 1947. Class 19.
Bell Coal Company, The, Columbus, Ohio. Coal. 226,332; renewed Apr. 5, 1947. O. G. Aug. 12. Class 1.
Bell Coal Company, The, Columbus, Ohio. Coal. 227,245; renewed May 3, 1947. O. G. Aug. 12. Class 1.
Bennett, F. H., Biscuit Company, to National Biscuit Company, New York, N. Y. Animal biscuit. 228,605; renewed June 7, 1947. O. G. Aug. 12. Class 46.
Berdan, John T., doing business as Drought Products, La Mirada, Calif. Water-proofing chemical. 431,868; Aug. 12; Serial No. 500,792; published Apr. 29, 1947. Class 6.
Blatz Brewing Company: *See*—
Blatz, Val, Brewing Company.
Blatz, Valentin, Brewing Company.
Blatz, Val, Brewing Company, to Blatz Brewing Company, Milwaukee, Wis. Malt extract. 29,568; re-renewed Feb. 3, 1947. O. G. Aug. 12. Class 46.

Blatz, Valentin, Brewing Company, to Blatz Brewing Company, Milwaukee, Wis. Candy, and dried grains as a cattle food. 222,213; renewed Dec. 28, 1946. O. G. Aug. 12. Class 46.

Blatz, Valentin, Brewing Company, to Blatz Brewing Company, Milwaukee, Wis. Root beer, ginger ale, carbonated water, etc. 222,259; renewed Dec. 28, 1946. O. G. Aug. 12. Class 45.

Blaw-Knox Company: *See*—
Union Steel Casting Company.

Bliss, Alonzo O., Medical Company, The, Washington, D. C. Internal remedies. 229,534; renewed June 28, 1947. O. G. Aug. 12. Class 6.

Bloomfield, M. Dennis, doing business as Just Chemical Co., Orange, N. J. Flameproofing chemical compound. 432,043; Aug. 12. Class 6.

Boco: *See*—
Boe, Chester L.

Boe, Chester L., doing business as Boco, Chicago, Ill. Solution which is to be added to water and used on washable garments and fabrics. 432,028; Aug. 12. Class 6.

Bonheur Co., Inc., The, Brooklyn, N. Y. Hair lotion and bay rum, cleansing cream and lemon cleansing cream. 431,818; Aug. 12; Serial No. 486,190; published May 6, 1947. Class 6.

Bonney-Floyd Company, The, Columbus, Ohio. Steel castings. 228,456; renewed May 31, 1947. O. G. Aug. 12. Class 14.

Bourjois, Inc., New York, N. Y. Toilet soap. 223,221; renewed Jan. 18, 1947. O. G. Aug. 12. Class 4.

Bovril Limited, London, England, to Bovril of America Inc., New York, N. Y. Extracts and essences of meat. 63,090; re-renewed June 4, 1947. O. G. Aug. 12. Class 46.

Bovril of America Inc.: *See*—
Bovril Limited.

Boyle-Midway Inc., Jersey City, N. J. Mops. 431,980; Aug. 12; Serial No. 510,875; published May 6, 1947. Class 29.

Brasco Manufacturing Company, Chicago, to Brasco Manufacturing Company, Harvey, Ill. Mouldings used in window sash and store front construction. 226,418; renewed Apr. 5, 1947. O. G. Aug. 12. Class 12.

Bridges, Clyde L.: *See*—
Keen Kola Manufacturing Company.

Bridges, Clyde L., Dallas, Tex. Non-alcoholic, non-cereal, maltless beverages. 226,479; renewed Apr. 12, 1947. O. G. Aug. 12. Class 45.

British American Metals Company, Inc., New York, N. Y., to Phelps Dodge Copper Products Corporation, New York, N. Y., and Dover, Del. Pipes and tubes. 228,537; renewed June 7, 1947. O. G. Aug. 12. Class 13.

Brooklyn Scientific Products Company: *See*—
Saletan, Samuel.

Brooklyn Scientific Products Co., Inc.: *See*—
Saletan, Samuel.

Bryn-Halden & Nitedals Taendstikfabrik A/S: *See*—
Nitedals Taendstikfabrik.

Buffalo Specialty Company, to Liquid Veneer Corporation, Buffalo, N. Y. Animal and insect poison. 226,073; renewed Mar. 29, 1947. O. G. Aug. 12. Class 6.

Bubai Publishing Co., Inc., Chicago, Ill. Magazine. 432,046; Aug. 12. Class 38.

Burnett, Robert M., to Deerfoot Farms Company, Southboro, Mass. Pork scraps, sausages, sausage-meat, and bacon. 59,808; re-renewed Jan. 15, 1947. O. G. Aug. 12. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Monthly publication. 431,871; Aug. 12; Serial No. 501,045; published May 6, 1947. Class 38.

Butterfield, B. F., doing business as Keystone Products Co., Oakland, Calif. Popcorn seasoned with vegetable oils and salt. 431,873; Aug. 12; Serial No. 501,497; published Jan. 14, 1947. Class 46.

Buttny, Joseph A., doing business as JAB Co., Chicago, Ill. Liquid mouth wash. 431,812; Aug. 12; Serial No. 484,238; published May 6, 1947. Class 6.

C. B. R. Cimenteries et Briqueteries Reunies S. A., Antwerp, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium. Cements. 222,763; renewed Jan. 11, 1947. O. G. Aug. 12. Class 12.

C. B. R. Cimenteries et Briqueteries Reunies S. A., Antwerp, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium. Portland cements. 224,855; renewed Mar. 8, 1947. O. G. Aug. 12. Class 12.

C. B. R. Cimenteries et Briqueteries Reunies S. A., Antwerp, to C. B. R. Cimenteries et Briqueteries Reunies S. A., Brussels, Belgium. Portland cement. 224,873; renewed Mar. 8, 1947. O. G. Aug. 12. Class 12.

California Spray-Chemical Company, Watsonville, Calif., to California Spray-Chemical Corporation, Wilmington, Del. Insecticidal, germicidal, and fungicidal sprays. 224,608; renewed Mar. 1, 1947. O. G. Aug. 12. Class 6.

California Spray-Chemical Corporation: *See*—
California Spray-Chemical Company.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 431,866; Aug. 12; Serial No. 500,279; published Apr. 29, 1947. Class 6.

Carew Manufacturing Company: *See*—
Hampshire Paper Company.

Carrier-Stephens Company, Lansing, Mich. Preparation for application to glass for precluding fogging. 228,916; renewed June 14, 1947. O. G. Aug. 12. Class 4.

Carroll, William T., doing business as The X-Term-A Company, Gorham, Maine. Medicated ointment. 431,912; Aug. 12; Serial No. 503,971; published Apr. 22, 1947. Class 6.

Carson Pirie Scott & Company, Chicago, Ill. Handkerchiefs. 222,645; renewed Jan. 4, 1947. O. G. Aug. 12. Class 42.

Carson Pirie Scott & Company, Chicago, Ill. Petticoats and bloomers. 223,561; renewed Feb. 8, 1947. O. G. Aug. 12. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Men's and boys' woven and knitted underwear. 225,205; renewed Mar. 15, 1947. O. G. Aug. 12. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Poplin in the piece. 225,325; renewed Mar. 15, 1947. O. G. Aug. 12. Class 42.

Cats Magazine: *See*—
Kenny, Charles A.

Cavada, Enrique F., Habana, Cuba. Perfumes, cologne, rouge, etc. 431,940; Aug. 12; Serial No. 505,282; published May 13, 1947. Class 6.

Celanese Corporation of America: *See*—
American Cellulose & Chemical Manufacturing Company, Ltd., The.

Celanese Corporation of America, New York, N. Y. Sheets, webs or batts. 431,867; Aug. 12; Serial No. 500,739; published May 13, 1947. Class 1.

Chartes-Davis Company, to R. H. Verity, Sons & Co., Corona, Calif. Fresh citrous fruits. 229,250; renewed June 21, 1947. O. G. Aug. 12. Class 46.

Chase Candy Company: *See*—
Clinton Industries, Inc.

Chase Chemical Company, Newark, N. J. Multiple vitamin capsules, tablets, or liquids. 431,805; Aug. 12; Serial No. 465,382; published Feb. 1, 1944. Class 6.

Chattanooga Medicine Company, Chattanooga, Tenn. Medicine for female diseases. 227,531; renewed May 10, 1947. O. G. Aug. 12. Class 6.

Chemical Specialties Company: *See*—
Shapiro, Harry.

Chicago Fire Brick Company, Chicago, Ill. Furnace linings. 224,274; renewed Feb. 22, 1947. O. G. Aug. 12. Class 12.

Chisholm, Albert E., Pasadena, Calif. Sprinkling systems and parts thereof. 227,944; renewed May 17, 1947. O. G. Aug. 12. Class 13.

Christian Science Publishing Society, The, Boston, Mass. Periodical. 431,947; Aug. 12; Serial No. 505,686; published May 13, 1947. Class 38.

Christina, Vincent, & Company, Inc., New York, N. Y. Medicinal preparation. 431,886; Aug. 12; Serial No. 502,558; published May 6, 1947. Class 6.

Christina, Vincent, & Company, Inc., New York, N. Y. Medicinal preparation. 431,887; Aug. 12; Serial No. 502,559; published Apr. 29, 1947. Class 6.

Churngold Corporation, The: *See*—
Ohio Butterine Company, The.

Claivaz, Joseph, doing business as Anglo-French Drug Co., Montreal, Quebec, Canada. Pharmaceutical preparations. 431,830; Aug. 12; Serial No. 494,391; published May 13, 1947. Class 6.

Clark, Victor N., Stillwater, Ohio. Edible product. 432,024; Aug. 12. Class 46.

Cleveland Fruit Juice Company, The, Cleveland, Ohio. Preserved fruits, flavorings, and combinations of nuts, flavorings, and such fruits for use with ice cream. 225,896; renewed Mar. 29, 1947. O. G. Aug. 12. Class 46.

Cleveland Oak Belting Company, Cleveland, Ohio. Leather belting. 228,078; renewed May 24, 1947. O. G. Aug. 12. Class 35.

Clinton Industries, Inc., St. Louis, Mo., assignor to Chase Candy Company. Candy. 432,007; Aug. 12. Class 46.

Colonial Mfg. Co., Inc., New York, N. Y. Jewelry for personal wear or adornment. 431,973; Aug. 12; Serial No. 508,790; published Apr. 15, 1947. Class 28.

Comfort Products, Inc., Brooklyn, N. Y. Cream preparation for use against diaper rash. 432,012; Aug. 12. Class 6.

Consolidated Cosmetics, assignee: *See*—
Yulll, Anna-Jean.

Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, face powder, etc. 431,835; Aug. 12; Serial No. 495,131; published Apr. 29, 1947. Class 6.

Continental Ore Company, New York, N. Y. Mineral mixture with the base of magnesite. 431,898; Aug. 12; Serial No. 503,284; published May 6, 1947. Class 1.

Corn Products Refining Company, New York, N. Y. Starch. 431,922; Aug. 12; Serial No. 504,334; published Apr. 29, 1947. Class 6.

Corning Distilling Co., Peoria, Ill., to The Old Quaker Company, Lawrenceburg, Ind. Whisky. 226,735; renewed Apr. 19, 1947. O. G. Aug. 12. Class 49.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 431,951; Aug. 12; Serial No. 506,096; published Apr. 22, 1947. Class 6.

Cowan, Louis G., Incorporated, New York, N. Y. Scripts. 431,950; Aug. 12; Serial No. 506,012; published May, 1947. Class 38.

Crane & Co., Inc.: *See*—
Crane, Z. & W. M.

Crane, Z. & W. M., to Crane & Co., Inc., Dalton, Mass. Writing-paper and envelops. 62,589; re-renewed May 14, 1947. O. G. Aug. 12. Class 37.

Crosley Broadcasting Corporation, The, assignee: *See*—
Crosley Corporation, The.

Crosley Corporation, The, assignor to The Crosley Broadcasting Corporation, Cincinnati, Ohio. Radio scripts. 431,915–16; Aug. 12; Serial Nos. 504,159–60; published May 6, 1947. Class 38.

Curtis, Helene, Industries, a division of National Industries, Inc., Chicago, Ill., said National Industries, Inc., now by change of name Helene Curtis Industries, Inc. Permanent hair waving supplies. 431,943; Aug. 12; Serial No. 505,396; published Apr. 29, 1947. Class 6.

Curtis, Helene, Industries, Inc.: *See*—
Curtis, Helene, Industries.

Curtiss Candy Company, The, Chicago, Ill. Candy and candy bars. 220,719; renewed Nov. 16, 1946. O. G. Aug. 12. Class 46.

Daigger, Corporation, The, Chicago, Ill. Substitutes for glycerine. 228,949; renewed June 14, 1947. O. G. Aug. 12. Class 6.

Dairy Association Company, Inc., Lyndonville, Vt. Vitamin preparation. 432,010; Aug. 12. Class 6.

Dale, Nancy, Limited, New York, N. Y. Shampoo for hair. 431,850; Aug. 12; Serial No. 498,119; published May 13, 1947. Class 6.

Daumit, Kay, Inc., Chicago, Ill. Cologne, perfume, deodorant. 431,923; Aug. 12; Serial No. 504,338; published May 13, 1947. Class 6.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. 431,855; Aug. 12; Serial No. 499,118; published Apr. 29, 1947. Class 6.

De Benveniste, S., Paris, France. Eau de cologne, perfumes, face powders, etc. 431,856–7; Aug. 12; Serial Nos. 499,121–2; published Apr. 29, 1947. Class 6.

Deerfoot Farms Company: *See*—
Burnett, Robert M.

Dell Publishing Company, Inc., New York, N. Y. Magazine published monthly. 228,887; renewed June 14, 1947. O. G. Aug. 12. Class 38.

Deloney & Company, Hammond, Ind., and Chicago, Ill., to De Loney & Company, Inc., Chicago, Ill. Ointment for skin diseases. 223,409; renewed Feb. 1, 1947. O. G. Aug. 12. Class 6.

De Loney & Company, Inc.: *See*—
Deloney & Company.

Deloney & Company, Inc., Hammond, Ind., and Chicago, Ill., to DeLoney & Company, Inc., Chicago, Ill. Ointment for skin diseases and a tonic for hair and scalp. 228,962; renewed June 14, 1947. O. G. Aug. 12. Class 6.

Dewma Company, South Bend, Ind. Gall stone remedy. 431,880; Aug. 12; Serial No. 502,195; published May 6, 1947. Class 6.

D'Hennery, Jean, Inc., New York, N. Y. Perfume and toilet water. 431,902; Aug. 12; Serial No. 503,873; published May 6, 1947. Class 6.

D'Hennery, Jean, Inc., New York, N. Y. Perfume and toilet water. 431,903; Aug. 12; Serial No. 503,876; published May 6, 1947. Class 6.

D'Hennery, Jean, Inc., New York, N. Y. Perfume and toilet water. 431,904–6; Aug. 12; Serial Nos. 503,878–80; published May 6, 1947. Class 6.

D'Hennery, Jean, Inc., New York, N. Y. Perfume and toilet water. 431,907–9; Aug. 12; Serial Nos. 503,883–5; published May 6, 1947. Class 6.

Dickel, Geo. A., & Co., Nashville, Tenn., to Geo. A. Dickel Distilling Co., Wilmington, Del. Whisky. 30,156; re-renewed June 8, 1947. O. G. Aug. 12. Class 49.

Dickel, Geo. A., Distilling Co.: *See*—
Dickel, Geo. A., & Co.

Dietz, R. E., Company, New York, N. Y. Globes for lamps and lanterns. 63,423; re-renewed June 18, 1947. O. G. Aug. 12. Class 33.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns and the burners and metal parts thereof. 228,923; renewed June 14, 1947. O. G. Aug. 12. Class 34.

Doerr, E. Charles, Watertown, Wis. Cough medicine. 227,299; renewed May 3, 1947. O. G. Aug. 12. Class 6.

Dore & Fils, Fontaine-Les-Gres, France. Knitted wear. 229,819; renewed July 5, 1947. O. G. Aug. 12. Class 39.

Driver-Harris Company, Harrison, N. J. Resistance wire, ribbon, strips, and rods. 227,851; renewed May 17, 1947. O. G. Aug. 12. Class 21.

Drought Products: *See*—
Berdan, John T.

Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Chemical compound. 431,844; Aug. 12; Serial No. 497,234; published Sept. 17, 1946. Class 6.

Eagle Paint & Varnish Company, Allegheny City, to The Watson-Standard Company, Pittsburgh, Pa. Paints, varnishes, stains, etc. 63,332; re-renewed June 18, 1947. O. G. Aug. 12. Class 16.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead pencils. 60,765; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 37.

Economy Baler Company, Ann Arbor, Mich. Rubbish, trash, or catchall cans. 226,724; renewed Apr. 19, 1947. O. G. Aug. 12. Class 2.

Elzaguirre, Cristobal B., San Sebastian, Spain. Perfumery articles. 431,821; Aug. 12; Serial No. 491,072; published May 6, 1947. Class 6.

Emerson Radio and Phonograph Corporation: *See*—
Wasmuth-Goodrich Company.

Endicott-Johnson Company, to Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes. 63,152; re-renewed June 11, 1947. O. G. Aug. 12. Class 39.

Endicott Johnson Corporation: *See*—
Endicott-Johnson Company.

Enrichment Products Co., New York, N. Y. Vitamin preparation. 432,023; Aug. 12. Class 6.

Essential Chemical and Drug Co.: *See*—
Wells, Willard Z.

Estate Stove Company, The, Hamilton, Ohio, to Noma Electric Corporation, New York, N. Y. Finished parts for heating stoves. 222,882; renewed Jan. 11, 1947. O. G. Aug. 12. Class 34.

Esterbrook Pen Company, The: *See*—
Esterbrook Steel Pen Mfg. Co., The.

Esterbrook Steel Pen Mfg. Co., The, to The Esterbrook Pen Company, Camden, N. J. Metallic pens. 63,490; re-renewed June 25, 1947. O. G. Aug. 12. Class 37.

Eureka Fire Hose Company, to United States Rubber Company, New York, N. Y. Hydraulic or fire hose. 29,579; re-renewed Feb. 23, 1947. O. G. Aug. 12. Class 35.

Eureka Fire Hose Manufacturing Company, to United States Rubber Company, New York, N. Y. Hose. 223,421; renewed Feb. 1, 1947. O. G. Aug. 12. Class 35.

Evergreen Broom Manufacturing Company, The, Pittsburgh, Pa. Brooms and the like. 431,978; Aug. 12; Serial No. 510,241; published May 6, 1947. Class 29.

Everbot Heater Company, Detroit, Mich. Room-heating radiator using oil or gas. 227,599; renewed May 10, 1947. O. G. Aug. 12. Class 34.

Factory Expediter, Inc., The, Chicago, Ill. Trade magazine. 432,039; Aug. 12. Class 38.

Fantasy Comics, Inc., New York, N. Y. Magazine or publication. 431,924; Aug. 12; Serial No. 504,347; published May 13, 1947. Class 38.

Farmcraft, Inc., Portland, Oreg. Insecticides. 431,913; Aug. 12; Serial No. 504,041; published May 6, 1947. Class 6.

Farnsworth, Janet M., Los Angeles, Calif. Iodine and phenolic acid compounds in glycerine. 431,814; Aug. 12; Serial No. 486,523; published Feb. 4, 1947. Class 6.

Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 432,015; Aug. 12. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. 432,025; Aug. 12. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. 432,048; Aug. 12. Class 38.

Federal Mill, Inc.: *See*—
Moseley & Motley Milling Co.

Firestone Tire & Rubber Company, The, Akron, Ohio. Accelerators. 431,832; Aug. 12; Serial No. 494,551; published Apr. 8, 1947. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires and inner tubes. 432,013; Aug. 12. Class 35.

First National Stores, Inc., Boston, to First National Stores, Inc., Somerville, Mass. Butter, cheese, condensed milk, etc. 228,540; renewed June 7, 1947. O. G. Aug. 12. Class 46.

Fleischman, Ferdinand, New York, N. Y. Flowers, plants, and floral pieces. 226,988; renewed Apr. 26, 1947. O. G. Aug. 12. Class 1.

Floorola Corporation, The, Baltimore, Md., to Floorola Products, Inc., York, Pa. Floor waxing, polishing, and scrubbing machines and wax containers. 227,196; renewed May 3, 1947. O. G. Aug. 12. Class 23.

Floorola Products, Inc.: *See*—
Floorola Corporation, The.

Food Fair Stores, Inc., Philadelphia, Pa. Cartoons. 431,928; Aug. 12; Serial No. 504,894; published May 6, 1947. Class 38.

Foringer, John W. B., doing business as Bar F Products, Chicago, Ill. Cream for polishing and preserving leather. 431,933–4; Aug. 12; Serial Nos. 505,047–9; published May 13, 1947. Class 4.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 222,648; renewed Jan. 4, 1947. O. G. Aug. 12. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 222,868; renewed Jan. 11, 1947. O. G. Aug. 12. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 223,201; renewed Jan. 18, 1947. O. G. Aug. 12. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 223,247; renewed Jan. 25, 1947. O. G. Aug. 12. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

French Beauty Products Co., Inc., to Harriet Hubbard Ayer, Inc., New York, N. Y. Orange-wood sticks and emery boards. 224,593; renewed Mar. 1, 1947. O. G. Aug. 12. Class 44.

French Beauty Products Co., Inc., to Harriet Hubbard Ayer, Inc., New York, N. Y. Cases made of inferior metal. 224,594; renewed Mar. 1, 1947. O. G. Aug. 12. Class 2.

French Beauty Products Co., Inc., to Harriet Hubbard Ayer, Inc., New York, N. Y. Perfumes, astringents, bandoline, etc. 225,098; renewed Mar. 8, 1947. O. G. Aug. 12. Class 6.

French-Kitchen Foods Company: *See*—
Karmen, B. H.

Friedman, B. Shoe Co., Inc., New York, N. Y. Shoes. 227,355; renewed May 3, 1947. O. G. Aug. 12. Class 39.

Gantt Manufacturing Company, Macon, Ga Cotton planters, guano distributors, grain and fertilizer drills, etc. 229,528; renewed June 28, 1947. O. G. Aug. 12. Class 23.

Garrett & Company, Inc., Brooklyn, N. Y. General tonic having a wine base. 227,781; renewed May 17, 1947. O. G. Aug. 12. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical agent used in the application of dyes. 43,874; Aug. 12; Serial No. 501,663; published May 6, 1947. Class 6.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

General Dyestuff Corporation, New York, N. Y. Coal-tar dyes, disinfectants, preservatives for food, etc. 228,108; renewed May 24, 1947. O. G. Aug. 12. Class 6.

General Foods Corporation: *See*—
General Seafoods Corporation.

General Seafoods Corporation, Gloucester, Mass., to General Foods Corporation, New York, N. Y. Fresh, salted, brined, etc., fish, fish flesh, oysters, etc. 226,413; renewed Apr. 5, 1947. O. G. Aug. 12. Class 46.

General Seafoods Corporation, Gloucester, Mass., to General Foods Corporation, New York, N. Y. Fresh, salted, brined, pickled and canned fish, fish flesh, and shrimp, etc. 226,973; renewed Apr. 26, 1947. O. G. Aug. 12. Class 46.

Gentil, Edmond, Neuilly-sur-Seine, near Paris, to Societe Gentil & Cie., Courbevoie (Seine), France. Bicycles, motor-cycles, tricycles, etc. 59,474; re-renewed Jan. 8, 1947. O. G. Aug. 12. Class 19.

Gibson, Guy T., Incorporated, to Parfumes Ciro, Inc., New York, N. Y. Toilet lotions, face talcum and sachet powders; face creams, etc. 228,117. Renewed May 24, 1947. O. G. Aug. 12. Class 6.

Globe Aircraft Corporation, Fort Worth, Tex. Aeroplanes. 431,941; Aug. 12; Serial No. 505,296; published May 13, 1947. Class 19.

Goldicide Laboratories: *See*—
Goldwag, Harry L.

Goldwag, Harry L., doing business as Goldicide Laboratories, New York, N. Y. Germicides and fungicides. 431,826; Aug. 12; Serial No. 493,348; published May 6, 1947. Class 6.

Goodrich, B. F., Company, The: *See*—
Hayes Industries, Inc.
Hood Rubber Co.
Miller Rubber Company, The.

Goodrich, B. F., Company, The, New York, N. Y. Belting and hose. 221,998; renewed Dec. 21, 1946. O. G. Aug. 12. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber tires. 62,266; re-renewed Apr. 30, 1947. O. G. Aug. 12. Class 35.

Great Northern Chemical Company, to Hy-G Corporation, San Francisco, Calif. Cleaning fluid for closet bowls and urinals. 228,134; renewed May 24, 1947. O. G. Aug. 12. Class 4.

Griffith, Pauline M., Sunnyside, N. Y. Preparation for preventing the splitting of finger nails. 431,991; Aug. 12. Class 6.

H & H Products Co.: *See*—
Houser, William H.

Haire Publishing Company, New York, N. Y. Magazine. 432,040; Aug. 12. Class 38.

Hampshire Paper Company, to Carew Manufacturing Company, South Hadley Falls, Mass. High-grade papers. 59,475–6; re-renewed Jan. 8, 1947. O. G. Aug. 12. Class 37.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. 431,817; Aug. 12; Serial No. 489,909; published Apr. 22, 1947. Class 6.

Haugron Cientifical, S. A., Barcelona, Spain. Preparation for skin diseases, external skin wounds and scratches, etc. 431,851; Aug. 12; Serial No. 498,766; published May 6, 1947. Class 6.

Haugron Cientifical, S. A., Barcelona, Spain. Perfumery products. 431,852; Aug. 12; Serial No. 498,767; published May 13, 1947. Class 6.

Haugron Cientifical, S. A., Barcelona, Spain. Perfumes, toilet waters, rouge, etc. 431,853; Aug. 12; Serial No. 498,768; published May 13, 1947. Class 6.

Hayes Industries, Inc., Jackson, Mich., assignor to The B. F. Goodrich Company, Akron, Ohio. Regulating valves for hydraulic brake systems. 431,809; Aug. 12; Serial No. 483,528; published May 13, 1947. Class 19.

Hearst Corporation, The: *See*—
International Feature Service, Inc.
King Features Syndicate, Inc.
Premier Syndicate, Inc., The.

Heller, B., & Company, Chicago, Ill. Insecticide, meat-curing preparations and compounds, food colors, etc. 229,125; renewed June 21, 1947. O. G. Aug. 12. Classes 6 and 46.

Henrietta Mills, The, Henrietta and Caroleen, N. C. Cotton sheetings, shirtings, and drills. 63,171; re-renewed June 11, 1947. O. G. Aug. 12. Class 42.

Hercules Powder Company, Wilmington, Del. Resin. 431,959; Aug. 12; Serial No. 506,718; published May 13, 1947. Class 1.

Hess, Dr., & Clark, to Dr. Hess & Clark, Inc., Ashland, Ohio. Medicated stock foods. 62,206; re-renewed Apr. 23, 1947. O. G. Aug. 12. Class 6.

Hess, Dr., & Clark, to Dr. Hess & Clark, Inc., Ashland, Ohio. Medicated stock foods. 62,311; re-renewed Apr. 30, 1947. O. G. Aug. 12. Class 6.

Hess, Dr., & Clark, Inc.: *See*—
Hess, Dr., & Clark.

Heyden Chemical Corporation, New York, N. Y. Trimethylolpropane. 431,961; Aug. 12; Serial No. 507,056; published Apr. 29, 1947. Class 6.

Heywood Boot & Shoe Company, Worcester, Mass. Boots and shoes. 226,363–4; renewed Apr. 5, 1947. O. G. Aug. 12. Class 39.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. 431,899; Aug. 12; Serial No. 503,200; published Apr. 22, 1947. Class 6.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. 431,900; Aug. 12; Serial No. 503,728; published Apr. 29, 1947. Class 6.

Hillyard Chemical Company, St. Joseph, Mo. Polishing fluid for floors. 229,264; renewed June 21, 1947. O. G. Aug. 12. Class 16.

Holyoke Card & Paper Company, Springfield, Mass. Writing and printing paper. 228,535; renewed June 7, 1947. O. G. Aug. 12. Class 37.

Hood Chemical Co., Inc., New York, N. Y. Rinsing aid similar chemically to a laundry sour. 432,004; Aug. 12. Class 6.

Hood Rubber Co., Boston, Mass., to The B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes. 60,194; re-renewed Jan. 29, 1947. O. G. Aug. 12. Class 39.

Hood Rubber Co., Boston, Mass., to The B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes. 60,481; re-renewed Feb. 12, 1947. O. G. Aug. 12. Class 39.

Hood Rubber Company, East Watertown and Boston, Mass., to The B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes. 62,999; re-renewed June 4, 1947. O. G. Aug. 12. Class 39.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, New York, N. Y. Pneumatic and cushion tires and tubes. 223,144; renewed Jan. 18, 1947. O. G. Aug. 12. Class 35.

Houghton, E. F., & Co., Philadelphia, Pa. Compounds for the fulling and scouring of woolen, worsted, and other textiles. 228,672; renewed June 7, 1947. O. G. Aug. 12. Class 6.

Houser, William H., doing business as H & H Products Co., Cherryville, N. C. Antiseptic lotion. 431,854; Aug. 12; Serial No. 498,897; published Nov. 12, 1946. Class 6.

Hubinger Company, The, Keokuk, Iowa. Powdered laundry starch. 431,942; Aug. 12; Serial No. 505,302; published Apr. 29, 1947. Class 6.

Hudnut, Richard, New York, N. Y. Perfume. 228,105; renewed May 24, 1947. O. G. Aug. 12. Class 6.

Hughes, J. W.: *See*—
Hughes, Sadie L.

Hughes, Sadie L., doing business as J. W. Hughes, Graham, Wash. Pickled eggs. 431,968; Aug. 12; Serial No. 507,726; published May 13, 1947. Class 46.

Hunsicker, Robert F., doing business as Allen Products Company, Allentown, Pa. Canned and frozen dog food. 431,917; Aug. 12; Serial No. 504,182; published May 13, 1947. Class 46.

Hy-G Corporation: *See*—
Great Northern Chemical Company.

Hygienol Company, Inc.: *See*—
Levy, Maurice, Company, The.

I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, to General Dyestuff Corporation, New York, N. Y. Compositions for sizing, stiffening, and finishing thread yarns, etc. 228,362; renewed May 31, 1947. O. G. Aug. 12. Class 6.

I. X. L. Steam Packing Manufacturing Co., to United States Rubber Company, New York, N. Y. Steam and pressure packing. 59,105; re-renewed Jan. 1, 1947. O. G. Aug. 12. Class 35.

Identification Photo Service: *See*—
Beers, Charles W.

Imperial Coal Corporation, New York, N. Y. Coal. 223,076; renewed Jan. 18, 1947. O. G. Aug. 12. Class 1.

International Feature Service, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,175; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

International Feature Service, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,183; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

International Feature Service, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,206; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

International Minerals & Chemical Corporation, Chicago, Ill. Preparation for the prevention of grave mold as an aid in body preservation. 431,842; Aug. 12; Serial No. 497,103; published Nov. 12, 1946. Class 6.

International Silver Company, The: *See*—
International Silver Company.

International Silver Company, The, Meriden, Conn. Silverplated flat-ware and hollow-ware. 431,981; Aug. 12; Serial No. 511,560; published May 13, 1947. Class 28.

International Silver Company, to The International Silver Company, Meriden, Conn. Base-metal table cutlery. 225,897; renewed Mar. 29, 1947. O. G. Aug. 12. Class 23.

Interstate Cotton Oil Refining Co., Sherman, Tex., now by change of name Mrs. Tucker's Foods, Incorporated. Vegetable oil shortening. 432,001; Aug. 12. Class 46.

Irwin, Neisler & Co., Decatur, Ill. Medicinal tablet. 431,845; Aug. 12; Serial No. 497,313; published Dec. 31, 1946. Class 6.

Isaacs, Joel, Shirt Co., Inc., New York, N. Y. Men's negligee shirts. 228,239; renewed May 24, 1947. O. G. Aug. 12. Class 39.

JAB Co.: *See*—
Buttny, Joseph A.

J. E. T. Pharmacal Co., Allentown, Pa. Boric acid, deodorizing and soothing foot powder, etc. 431,825; Aug. 12; Serial No. 493,194; published May 6, 1947. Class 6.

Jacques Specialty Co., Nacogdoches, Tex. Composition for relief in eczema, tetter, ringworm, etc. 431,987; Aug. 12. Class 6.

Jamestown Baking Company, Inc., Jamestown, N. Y. Bread. 222,461; renewed Jan. 4, 1947. O. G. Aug. 12. Class 46.

Jensen Manufacturing Company, Seattle, Wash. Aggregate in bat form for stuffing quilting, filling, or padding. 431,806; Aug. 12; Serial No. 476,392; published May 13, 1947. Class 1.

Jewel Paint and Varnish Co.: *See*—
Wadsworth-Howland Company.

Joubert Cie, Inc., New York, N. Y. Preparation for grooming the hair. 431,996; Aug. 12. Class 6.

Just Chemical Co.: *See*—
Bloomfield, M. Dennis.

Karmen, B. H., doing business as French-Kitchen Foods Company, Chatsworth, Calif. Soup mixtures. 431,865; Aug. 12; Serial No. 500,223; published May 13, 1947. Class 46.

Keen Kola Manufacturing Company, to Clyde L. Bridges, Dallas, Tex. Non-alcoholic, noncereal, maltless beverage. 227,540; renewed May 10, 1947. O. G. Aug. 12. Class 45.

Kem-Stone Products Company, assignee: *See*—
Van Sinden, Carl H.

Kam-Stone Products Co. (not incorporated): *See*—
Van Sinden, Carl H.

Kenfield-Davis Publishing Co., Chicago, Ill. Publication issued periodically. 432,049; Aug. 12. Class 38.

Kennedy, E. John, New York, N. Y. Insecticides. 431,837–8; Aug. 12; Serial Nos. 496,030–1; published Apr. 22, 1947. Class 6.

Kenny, Charles A., doing business as Cats Magazine, Utica, N. Y. Magazine. 432,042; Aug. 12. Class 38.

Keystone Products Co.: *See*—
Butterfield, B. F.

Kimble Glass Company, to Kimble Glass Company, Vineland, N. J. Vacuum tubes used to extract blood from veins. 224,076; renewed Feb. 15, 1947. O. G. Aug. 12. Class 44.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,172–3; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,187; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,203–4; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

Kolber, A., Inc., New York, N. Y. Fountain pens. 431,877; Aug. 12; Serial No. 502,144; published May 13, 1947. Class 37.

Krutman, Diana, doing business as Moth Gard Products Company, New York, N. Y. Moth and insect preventative preparations. 432,018; Aug. 12. Class 6.

La Manna, Azema & Farnan, New York, N. Y., to La Manna, Azema & Farnan, Inc., New York and Brooklyn, N. Y. Bottled olives, preserved fruits, and bottled capers. 229,617; renewed July 5, 1947. O. G. Aug. 12. Class 46.

La Manna, Azema & Farnan, Inc.: *See*—
La Manna, Azema & Farnan.

Lancome Sales Inc., New York, N. Y. Perfumes and toilet water. 431,872; Aug. 12; Serial No. 501,188; published Dec. 17, 1946. Class 6.

Latrobe Steel and Coupler Company, Philadelphia, Pa., to National Malleable and Steel Castings Company, Cleveland, Ohio. Coupler, and coupler parts, top center plates, etc. 60,535; re-renewed Feb. 12, 1947. O. G. Aug. 12. Class 19.

Law, Hartland, Herbert E. Law, to The Viavi Company, San Francisco, Calif. Remedies for diseases of women. 63,595; re-renewed June 25, 1947. O. G. Aug. 12. Class 6.

Law, Herbert E.: *See*—
Law, Hartland, Herbert E. Law.

Lederle Laboratories, Inc., assignor to American Cyanamid Company, New York, N. Y. Sulfamethazine preparations. 431,929; Aug. 12; Serial No. 504,911; published Apr. 22, 1947. Class 6.

Lee, Martha, Inc., Waco, Tex. Cleansing cream, medicated lotion, astringent preparation, etc. 432,029; Aug. 12. Class 6.

Lee, Martha, Inc., Waco, Tex. Face powder. 432,030; Aug. 12. Class 6.

Lee, Martha, Inc., Waco, Tex. Eye-lid cream, make-up cream, and medicated cream. 432,031; Aug. 12. Class 6.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 431,910–11; Aug. 12; Serial Nos. 503,914–15; published May 6, 1947. Class 6.

Lekas, N., Corporation, New York, N. Y. Food products. 431,998; Aug. 12. Class 46.

Lelong, Lucien, Inc.: *See*—
Vivaudou, Victor.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 431,862; Aug. 12; Serial No. 499,787; published Oct. 8, 1946. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 431,888; Aug. 12; Serial No. 502,644; published May 6, 1947. Class 6.

Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Tonic preparations. 432,054; Aug. 12. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 431,833; Aug. 12; Serial No. 495,075; published Apr. 30, 1946. Class 2.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 431,834; Aug. 12; Serial No. 495,077; published Apr. 30, 1946. Class 2.

Levy, Maurice, Company, The, to Hydienol Company, Inc., New Rochelle, N. Y. Powder puffs. 228,970; renewed June 14, 1947. O. G. Aug. 12. Class 29.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparations. 431,859; Aug. 12; Serial No. 499,250; published Apr. 29, 1947. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 431,883; Aug. 12; Serial No. 502,883; published May 13, 1947. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 431,884; Aug. 12; Serial No. 502,384; published May 6, 1947. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 431,946; Aug. 12; Serial No. 505,603; published Apr. 22, 1947. Class 6.

Link Aviation Devices, Inc., Fenton, N. Y., now by change of name Link Aviation, Inc. Canoes. 431,869; Aug. 12; Serial No. 500,887; published Apr. 8, 1947. Class 19.

Link Aviation, Inc.: *See*—
Link Aviation Devices, Inc.

Liquid Veneer Corporation: *See*—
Buffalo Specialty Company.

List, B. F., Exeter, Calif. Fresh grapes, fresh plums, fresh peaches, etc. 229,081; renewed June 21, 1947. O. G. Aug. 12. Class 46.

Lo Bue, G. & J., Brothers, to Joseph Lo Bue, Jersey City, N. J. Macaroni. 227,067; renewed Apr. 26, 1947. O. G. Aug. 12. Class 46.

Lo Bue, Joseph: *See*—
Lo Bue, G. & J., Brothers.

Lopez, Raphael, doing business as Maison Raphael, Paris, France. Perfumes, toilet waters, rouge, lipstick, and face creams. 431,914; Aug. 12; Serial No. 504,115; published May 6, 1947. Class 6.

Love Nest Ring, Inc., New York, N. Y. Gold finger rings and jewelry. 431,893; Aug. 12; Serial No. 503,166; published May 13, 1947. Class 28.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and/or rayon piece goods. 432,051–2; Aug. 12. Class 42.

Lubec Mfg. & Canning Company: *See*—
No. Lubec Mfg. & Canning Co.

Lucky Heart Company: *See*—
Lucky Heart Laboratories, Inc.

Lucky Heart Laboratories, Inc., doing business as Lucky Heart Company, Memphis, Tenn. Perfume and toilet water. 431,948; Aug. 12; Serial No. 505,705; published Apr. 22, 1947. Class 6.

Lynn Laboratories, Newburgh, N. Y. Nose drops. 431,982; Aug. 12; Serial No. 515,354; published May 6, 1947. Class 6.

M & R Dietetic Laboratories, Inc.: *See*—
Moores & Ross, Inc.

Mabbs Hydraulic Packing Co., Chicago, Ill. Rawhide packing. 62,405; re-renewed May 7, 1947. O. G. Aug. 12. Class 35.

MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y., to MacAndrews & Forbes Company, Camden, N. J. Composite board and lumber. 229,491; renewed June 28, 1947. O. G. Aug. 12. Class 12.

Maid-Rite Products, Inc., Muscatine, Iowa. Hamburger sandwiches. 432,027; Aug. 12. Class 46.

Maison Pierre Bardou-Job, to Société Job, Anciens Etablissements Bardou-Job et Paulilhac, Toulouse, Perpignan, France. Tobacco, cigars, and cigarettes. 63,177; re-renewed June 11, 1947. O. G. Aug. 12. Class 17.

Maison Raphael: *See*—
Lopez, Raphael.

Mangan & Company Laboratories, New York, N. Y. Preparation for the treatment of canine distemper. 431,949; Aug. 12; Serial No. 505,970; published Apr. 22, 1947. Class 6.

Manganese Bronz & Brass Co. Ltd., The, London, England. Alloy of metals. 61,736; re-renewed Apr. 2, 1947. O. G. Aug. 12. Class 14.

Manitou Mineral Springs Company, The, Manitou, to The Manitou Mineral Water Company, Colorado Springs, Colo. Mineral water, table-water, and a beverage made from ginger. 59,408; re-renewed Jan. 8, 1947. O. G. Aug. 12. Class 45.

Manitou Mineral Water Company, The: See—
Manitou Mineral Springs Company, The.

Manning, C. A., Shoe Company, The, Meriden and Waterbury, to The C. A. Manning Shoe Company, Meriden, Conn. Men's and women's shoes, slippers, rubbers, etc. 228,760; renewed June 7, 1947. O. G. Aug. 12. Class 39.

Martin Beauty Products Co., New York, N. Y. Scalp oil. 432,036; Aug. 12. Class 6.

Martin, Francis E., West Chester, Pa. Bougie and the like containing a compound for treatment of mammary glands. 431,831; Aug. 12; Serial No. 494,455; published Apr. 29, 1947. Class 6.

Mast, J. B., Co., Inc., New York, N. Y. Luring grease for use on hat surfaces, brim stiffener chemicals and hat maker's kits. 431,863; Aug. 12; Serial No. 499,957; published Apr. 22, 1947. Class 6.

Mathieson Alkali Works, The, New York, N. Y. Quaternary ammonium sanitizing solution. 431,846; Aug. 12; Serial No. 497,616; published Oct. 8, 1946. Class 6.

Mauser Mill Company, Treichlers, Pa. Cake and pastry flour. 228,885; renewed June 14, 1947. O. G. Aug. 12. Class 46.

Mayrand, Louis P., Greensboro, N. C. Poultry remedy. 431,939; Aug. 12; Serial No. 505,271; published May 6, 1947. Class 6.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Sections of magazines. 432,011; Aug. 12. Class 38.

Means, H. S., Co., Culver City, Calif. Buckle sets, saddle and harness buckles, and saddle and harness ornaments. 431,972; Aug. 12; Serial No. 508,435; published May 13, 1947. Class 28.

Meat Industry Suppliers, Inc., Chicago, Ill. Food composition in liquid form. 432,022; Aug. 12. Class 6.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 431,944; Aug. 12; Serial No. 505,438; published Apr. 8, 1947. Class 28.

Michael, David, & Co., to David Michael & Co., Philadelphia, Pa. Flavoring for food products. 229,361; renewed June 28, 1947. O. G. Aug. 12. Class 46.

Michaels Stern & Co., to Michaels, Stern & Company, Inc., Rochester, N. Y. Light-weight tropical suits for men. 223,579; renewed Feb. 8, 1947. O. G. Aug. 12. Class 39.

Michaels Stern & Co., to Michaels, Stern & Company, Inc., Rochester, N. Y. Raincoats for men. 223,580; renewed Feb. 8, 1947. O. G. Aug. 12. Class 39.

Michaels, Stern & Company, Inc.: *See*—
Michaels Stern & Co.

Milani, Louis, Foods, Inc., Chicago, Ill. Thousand Island dressing. 431,962; Aug. 12; Serial No. 507,062; published May 6, 1947. Class 46.

Millar, E. B., & Company, Chicago, Ill. Teas. 60,677; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 46.

Millar, E. B., & Company, Chicago, Ill. Chili powder. 222,621; renewed Jan. 4, 1947. O. G. Aug. 12. Class 46.

Miller Rubber Company, The, Akron, Ohio, to The B. F. Goodrich Company, New York, N. Y. Tire and tube kits and tire-patching materials. 223,168; renewed Jan. 18, 1947. O. G. Aug. 12. Class 35.

Monet, Henri: *See*—
Hieber, William S.

Montenier, Jules, doing business as Select Cosmetics, Chicago, Ill. Hair dressing and shampoo. 431,881; Aug. 12; Serial No. 502,225; published Apr. 22, 1947. Class 6.

Moores & Ross, Inc., to M & R Dietetic Laboratories, Inc., Columbus, Ohio. Diet for infants. 227,044–7; renewed Apr. 26, 1947. O. G. Aug. 12. Class 46.

Morse, Felicia V., Canton, Mass., to J. L. Prescott Company, Passaic, N. J. Polish. 60,697–8; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 4.

Morse, Felicia V., Canton, Mass., to J. L. Prescott Company, Passaic, N. J. Polish. 60,700; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 4.

Morse, Felicia V., Canton, Mass., to J. L. Prescott Company, Passaic, N. J. Polish. 60,702; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 4.

Moseley & Motley Milling Co., Rochester, to Federal Mill, Inc., Lockport, N. Y. Wheat-flour. 60,108; re-renewed Jan. 29, 1947. O. G. Aug. 12. Class 46.

Moth Gard Products Company: *See*—
Krutman, Diana.

Moyer Chemical Company, Chicago, Ill. Salve. 432,003; Aug. 12. Class 6.

Murphy, John W., doing business as Murphy Laboratories, assignor to Murphy Laboratories, Inc., Upper Darby, Pa. Shampoo. 431,875; Aug. 12; Serial No. 501,679; published Apr. 29, 1947. Class 6.

Murphy Laboratories: *See*—
Murphy, John W.

Murphy Laboratories, Inc.: *See*—
Murphy, John W.

Myers, Harry, & Company, Inc.: *See*—
Sonneborn, Henry, Company, Inc.

Myrurgia, S. A., to Myrurgia, Sociedad Anonima, Barcelona, Spain. Perfumes and toilet water. 225,912; renewed Mar. 29, 1947. O. G. Aug. 12. Class 6.

Myrurgia, S. A., to Myrurgia, Sociedad Anonima, Barcelona, Spain. Perfumes and toilet water. 225,914; renewed Mar. 29, 1947. O. G. Aug. 12. Class 6.

Myrurgia, Sociedad Anonima: *See*—
Myrurgia, S. A.

Nahm, Horace H., doing business as Nahm Photogravure Company, New York, N. Y. Writing paper and letterheads. 432,002; Aug. 12. Class 37.

Nahm Photogravure Company: *See*—
Nahm, Horace H.

National Biscuit Company: *See*—
Bennett, F. H., Biscuit Company.

National Biscuit Company, New York, N. Y. Biscuit. 63,286; re-renewed June 11, 1947. O. G. Aug. 12. Class 46.

National Biscuit Company, New York, N. Y. Biscuit, cake, crackers. 222,482; renewed Jan. 4, 1947. O. G. Aug. 12. Class 46.

National Biscuit Company, New York, N. Y. Biscuit, wafers, crackers, etc. 225,997; renewed Mar. 29, 1947. O. G. Aug. 12. Class 46.

National Industries, Inc.: *See*—
Curtis, Helene, Industries.

National Institute of Social Relations, Inc., The, Washington, D. C. Periodical publication. 431,847; Aug. 12; Serial No. 497,809; published May 13, 1947. Class 38.

National Malleable and Steel Castings Company: *See*—
Latrobe Steel and Coupler Company.

National Pressure Cooker Company, Eau Claire, Wis. Interval timers. 431,937; Aug. 12; Serial No. 505,118; published May 6, 1947. Class 27.

National Sawdust Co., Inc., Brooklyn, N. Y. Sawdust and shavings. 229,551; renewed June 28, 1947. O. G. Aug. 12. Class 1.

New Century Milling Company, The, to Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 63,316; re-renewed June 11, 1947. O. G. Aug. 12. Class 46.

Newton, Chambers & Company Limited, near Sheffield, England. Starch and blue, perfumery, disinfectant fluids, etc. 431,870; Aug. 12; Serial No. 501,001; published May 6, 1947. Class 6.

Nidar Chokoladefabrik A/S, Trondhjem, Norway. Chocolate, cocoa, and candies. 223,868; renewed Feb. 15, 1947. O. G. Aug. 12. Class 46.

Nion Corporation, Los Angeles, Calif. Tablets. 431,930; Aug. 12; Serial No. 504,993; published Apr. 22, 1947. Class 6.

Nitedals Taendstikfabrik, Christiania and Gronvold, Norway, to Bryn-Halden & Nitedals Taendstikfabrik A/S, Gronvold Östre Aker near Oslo, Norway. Safety-matches. 58,540; re-renewed Dec. 18, 1946. O. G. Aug. 12. Class 9.

No. Lubec Mfg. & Canning Co., to North Lubec Mfg. & Canning Company, North Lubec, Maine. Canned sardines. 61,787; re-renewed Apr. 2, 1947. O. G. Aug. 12. Class 46.

Noma Electric Corporation: *See*—
Estate Stove Company, The.

North Lubec Mfg. & Canning Company: *See*—
No. Lubec Mfg. & Canning Co.

Northrup, King & Company, Minneapolis, Minn. Lawn-grass seed. 228,511; renewed June 7, 1947. O. G. Aug. 12. Class 1.

Norwich Pharmacal Company, The, Norwich, N. Y. Toilet powders and toilet creams, being deodorants, preparations. 431,807; Aug. 12; Serial No. 478,184; published Apr. 29, 1947. Class 6.

Nowy Swiat Publishing Company, Inc., New York, N. Y. Daily newspaper. 229,494; renewed June 28, 1947. O. G. Aug. 12. Class 38.

Nyal Company: *See*—
Stearns & Curtiss.

Oakes & Company, assignor to Oakes & Company, Chicago, Ill. Automobile and tractor pneumatic tires and inner tubes, tire repair kits, tire retiners, etc. 431,993; Aug. 12. Class 35.

Ohio Butterine Company, The, to The Churngold Corporation, Cincinnati, Ohio. Oleomargine. 228,752; renewed June 7, 1947. O. G. Aug. 12. Class 46.

Oilgear Company, The, Milwaukee, Wis. Hydraulic transmission units. 228,920; renewed June 14, 1947. O. G. Aug. 12. Class 23.

Old Quaker Company, The: *See*—
Corning Distilling Co.

Olympia Oyster Company, Inc., Olympia, Wash. Fresh oysters. 432,037; Aug. 12. Class 46.

Owyhee Chemical Products Company, Boise, Idaho, and Chicago, Ill., to Owyhee Chemical Products Company, Chicago, Ill. Powdered bentonite clay. 224,327; renewed Feb. 22, 1947. O. G. Aug. 12. Class 1.

Palazzolo, Antonio, to Antonio Palazzolo & Co., Cincinnati, Ohio. Macaroni. 228,543; renewed June 7, 1947. O. G. Aug. 12. Class 46.

Palazzolo, Antonio, & Co.: *See*—
Palazzolo, Antonio.

Parfumere Paulette: *See*—
Youngs Rubber Corporation, Inc.

Parfumerie Scherk: *See*—
Scherk, Ludwig.

Parfums Ciro, Inc.: *See*—
Gibson, Guy T.

Parker Brothers, Inc.: *See*—
Roche, William J.

Patterson Publishing Company, Chicago, Ill. Section in a magazine. 431,885; Aug. 12; Serial No. 502,454; published May 6, 1947. Class 38.

Paul's Cannery, Crescent City, Calif. Canned fish and canned shellfish. 432,041; Aug. 12. Class 46.

Pavillon Cosmetics, Incorporated, Yonkers, N. Y. Toilet cream. 431,889; Aug. 12; Serial No. 502,663; published Apr. 22, 1947. Class 6.

Peco Manufacturing Company, to Peco Manufacturing Corporation, Philadelphia, Pa. Experimental and special machinery and fixtures therefor. 229,265; renewed June 21, 1947. O. G. Aug. 12. Class 23.

Peco Manufacturing Corporation: *See*—
Peco Manufacturing Company.

Peerless Rubber Mfg. Co., The, to United States Rubber Company, New York, N. Y. Packing, gaskets, and rubber compound. 29,620; re-renewed Mar. 2, 1947. O. G. Aug. 12. Class 35.

Peerless Rubber Manufacturing Company, to United States Rubber Company, New York, N. Y. Rubber belting, hose, and machinery packing. 59,108; re-renewed Jan. 1, 1947. O. G. Aug. 12. Class 35.

Pennex Products Co., Incorporated, Pittsburgh, Pa. Medicinal preparations. 431,839; Aug. 12; Serial No. 496,267; published May 6, 1947. Class 6.

Perfection Biscuit Company, Fort Wayne, Ind. Bread. 228,521; renewed June 7, 1947. O. G. Aug. 12. Class 46.

Perkins Marine Lamp Corporation, to Perkins Marine Lamp & Hardware Corporation, Brooklyn, N. Y. Electric lamps, electric lanterns, electric searchlights, and electric signs. 229,175; renewed June 21, 1947. O. G. Aug. 12. Class 21.

Perkins Marine Lamp & Hardware Corporation: *See*—
Perkins Marine Lamp Corporation.

Peters, Martin C., doing business as Toilet Paint and Chemical Co., Toledo, Ohio. Chemical preparations. 431,864; Aug. 12; Serial No. 500,182; published Apr. 22, 1947. Class 6.

Pfeiffer Chemical Company, assignor to Standard Laboratories Inc., New York, N. Y. Laxative medicines. 431,985; Aug. 12. Class 6.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Hair and scalp lotion, shampoo, and after-shaving balm. 431,892; Aug. 12; Serial No. 503,125; published Apr. 22, 1947. Class 6.

Pharmaco-Chemical Products Co., Ltd., The: *See*—
Solurol (Thymic Acid) Company, Limited, The.

Phelps Dodge Copper Products Corporation: *See*—
British American Metals Company, Inc.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Liniments. 431,815; Aug. 12; Serial No. 489,008; published May 6, 1947. Class 6.

Pinus Medicine Company, Monticello, Ill. Internal remedies. 223,804; renewed Feb. 8, 1947. O. G. Aug. 12. Class 6.

Pinus Medicine Company, Monticello, Ill. Internal remedies. 224,094; renewed Feb. 15, 1947. O. G. Aug. 12. Class 6.

Plant Products Company, assignor to Plant Products Corporation, Blue Point, N. Y. Insecticides. 431,810; Aug. 12; Serial No. 483,784; published Oct. 22, 1946. Class 6.

Plant Products Company, assignor to Plant Products Corporation, Blue Point, N. Y. Insecticide. 431,811; Aug. 12; Serial No. 483,787; published June 11, 1946. Class 6.

Plant Products Corporation, assignee: *See*—
Plant Products Company.

Plasticote Fabrics Corp., Paterson, N. J. Coating compound. 432,020; Aug. 12. Class 6.

Plastics Catalogue Corporation, New York, N. Y. Periodical publication. 431,992; Aug. 12. Class 38.

Plochman & Harrison, Chicago, Ill. Prepared mustard; vinegar. 226,268; renewed Apr. 5, 1947. O. G. Aug. 12. Class 46.

Pope Publishing Corporation, New York, N. Y. Monthly magazine. 227,428; renewed May 3, 1947. O. G. Aug. 12. Class 38.

Portland Packing Co., to Portland Packing Co., Portland, Maine. Canned fruits. 30,305; re-renewed June 29, 1947. O. G. Aug. 12. Class 46.

Practical Methods for Industry, Inc., New York, N. Y. Bimonthly publication. 431,822; Aug. 12; Serial No. 491,586; published May 6, 1947. Class 38.

Premier Syndicate, Inc., The, to The Hearst Corporation, New York, N. Y. Cartoons. 222,200; renewed Dec. 28, 1946. O. G. Aug. 12. Class 38.

Prescott Company, The, Menominee, Mich. Sawmill and mining machinery accessories and parts. 228,847; renewed June 14, 1947. O. G. Aug. 12. Class 23.

Prescott, J. L., Company: *See*—
Morse, Felicia V.

Presto Manufacturing Co., New York, N. Y. Make-up sponges and sponge brushes. 431,983; Aug. 12; Serial No. 515,449; published May 6, 1947. Class 29.

Price, Jack, Los Angeles, Calif. Perfume, cologne, and toilet water. 431,878; Aug. 12; Serial No. 502,154; published Apr. 22, 1947. Class 6.

Prince, Harry, doing business as Royal Chemical Products Co., Troy, N. Y. Mothproofing composition. 431,882; Aug. 12; Serial No. 502,328; published Apr. 29, 1947. Class 6.

Procter & Gamble Company, The: *See*—
Robertson, J. T., Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 223,177; renewed Jan. 18, 1947. O. G. Aug. 12. Class 4.

Prokop, Ida B., doing business as Prokop Studio, Lidgerwood, N. Dak. Pictures. 432,006; Aug. 12. Class 38.

Prokop Studio: *See*—
Prokop, Ida B.

Pro-Tex-All Company, Inc.: *See*—
Silverman, Isadore.

Pro-Tex-All Sanitary Products Co.: *See*—
Silverman, Isadore.

Quaker Oats Company, The, Chicago, Ill. Macaroni, spaghetti, and egg noodles. 222,841; renewed Jan. 11, 1947. O. G. Aug. 12. Class 46.

Quaker Oats Company, The, Chicago, Ill. Macaroni, spaghetti, and egg noodles. 222,855; renewed Jan. 11, 1947. O. G. Aug. 12. Class 46.

Radio Receptor Company, Inc., New York, N. Y. Battery eliminators, battery chargers, amplifiers. 223,035; renewed Jan. 11, 1947. O. G. Aug. 12. Class 21.

Ramsell Products Inc., Des Moines, Iowa. Liquid coating. 432,017; Aug. 12. Class 6.

Read Brothers, Limited, London, England. Bottled beer. 60,735; re-renewed Feb. 19, 1947. O. G. Aug. 12. Class 48.

Rees and Chapman, Vancouver, British Columbia, Canada. Tooth powder and tooth paste. 431,827; Aug. 12; Serial No. 493,623; published May 13, 1947. Class 6.

Regal Chemical Corporation, Brooklyn, N. Y. Insecticide dispensers. 431,840; Aug. 12; Serial No. 496,470; published May 6, 1947. Class 6.

Reif Brothers, assignor to Reif-Rexoll Inc., to Reif-Rexoll Inc., Buffalo, N. Y. Oil-burning apparatus. 228,355; renewed May 31, 1947. O. G. Aug. 12. Class 34.

Reif-Rexoll Inc., assignee: *See*—
Reif Brothers.

Reynolds Metals Company, Richmond, Va. Cardboard boxes. 431,984; Aug. 12. Class 2.

Reynolds Pen Company, Chicago, Ill. Fountain pens. 431,971; Aug. 12; Serial No. 508,311; published May 27, 1947. Class 37.

Rhoads, J. E., & Sons, Philadelphia, Pa. Hame straps and harness straps (plain) 229,365; renewed June 28, 1947. O. G. Aug. 12. Class 3.

Rice's, Bernard, Sons, Inc., New York, N. Y. Silver hollow ware. 227,950; renewed May 17, 1947. O. G. Aug. 12. Class 28.

Richmond Piano Co., to The Starr Piano Company, Inc., Richmond, Ind. Pianos. 59,499; re-renewed Jan. 8, 1947. O. G. Aug. 12. Class 37.

Richter, F. Ad., & Co. Inc.: *See*—
Richter, Friedrich A.

Richter, Friedrich A., Rudolstadt, Germany, and New York, N. Y., to F. Ad. Richter & Co. Inc., Brooklyn, N. Y. Remedy for rheumatism, gout, neuralgia, etc. 62,991; re-renewed June 4, 1947. O. G. Aug. 12. Class 6.

Rigo Manufacturing Company, Nashville, Tenn. Mouth wash. 431,975; Aug. 12; Serial No. 509,303; published Apr. 22, 1947. Class 6.

Rio Chemical Co., New York, N. Y. Mucous astringent. 63,012; re-renewed June 4, 1947. O. G. Aug. 12. Class 6.

Robbins Drycleaning Publications, Inc., New York, N. Y. Monthly magazine. 432,026; Aug. 12. Class 38.

Robertson, J. T., Company, Manchester, Conn., to The Procter & Gamble Company, Cincinnati, Ohio. Shaving-soap. 60,153; re-renewed Jan. 29, 1947. O. G. Aug. 12. Class 4.

Robischow & Peckham Company, New York, to Augusta Knitting Corporation, Utica, N. Y. Men's, women's, and children's knitted undershirts and drawers. 61,489; re-renewed Mar. 26, 1947. O. G. Aug. 12. Class 39.

Roche, William J., New Bethlehem, Pa., to Parker Brothers, Inc., Salem, Mass. Card game. 62,595; re-renewed May 14, 1947. O. G. Aug. 12. Class 22.

Rock, Lillian D., New York, N. Y. Liquid solution adapted for blowing bubbles. 431,820; Aug. 12; Serial No. 490,700; published Apr. 9, 1946. Class 6.

Rosens, Edmond, Paris, France. Perfumes, toilet waters, rouge, etc. 431,931; Aug. 12; Serial No. 505,014; published Apr. 29, 1947. Class 6.

Ross, John, Jackson, Miss. Herb tonics. 432,016; Aug. 12. Class 6.

Rotwitt, Marius, Copenhagen, Denmark. Tooth paste. 431,819; Aug. 12; Serial No. 490,399; published May 6, 1947. Class 6.

Royal Chemical Products Co.: *See*—
Prince, Harry.

Royal Manufacturing Co. of Duquesne, Brooklyn, N. Y., now by change of name to Royal Pharmacal Corporation. Hair oil, lilac lotion, cocoanut oil shampoo, etc. 431,938; Aug. 12; Serial No. 505,241; published Apr. 29, 1947. Class 6.

Royal Pharmacal Corporation: *See*—
Royal Manufacturing Co. of Duquesne.

Salée, Gene, Hollywood, Calif. Liquid and cream makeup. 431,960; Aug. 12; Serial No. 506,772; published Apr. 29, 1947. Class 6.

Saletan, Samuel, doing business as Brooklyn Scientific Products Company, Brooklyn, to Brooklyn Scientific Products Co., Inc., New York, N. Y. Medicinal preparations. 228,981; renewed June 14, 1947. O. G. Aug. 12. Class 6.

Scandinavia Belting Company, The, Newark, N. J. Woven belting, transmission and brake lining. 228,958; renewed June 14, 1947. O. G. Aug. 12. Class 35.

Scherk, Ludwig, doing business as Parfumerie Scherk, Berlin, Germany, to Ludwig Scherk, Inc., Brooklyn, N. Y. Perfumery, cosmetics. 227,577; renewed May 10, 1947. O. G. Aug. 12. Class 6.

Scherk, Ludwig, Inc.: *See*—
Scherk, Ludwig.

Schirmer, E. C., Music Company, Boston, Mass. Musical publications. 431,926; Aug. 12; Serial No. 504,636; published May 6, 1947. Class 38.

Schneider & Schultz, Inc., New York, N. Y. Girls', teen-age girls', junior misses, and women's apparel. 432,045; Aug. 12. Class 39.

Schultz Laboratories, The: *See*—
Schultz, Walter E.

Schultz, Walter E., doing business as The Schultz Laboratories, Boone, Iowa. Soap. 431,995; Aug. 12. Class 4.

Schulze and Burch Biscuit Company, Chicago, Ill. Cookies. 431,976; Aug. 12; Serial No. 509,473; published May 13, 1947. Class 46.

Scott, A. & R., Limited, Colinton, Midlothian, Scotland. Prepared oats. 224,147; renewed Feb. 22, 1947. O. G. Aug. 12. Class 46.

Scott, Lawrence B., Columbus, Ohio. Metallic rods and elements for repairing cracked or broken castings. 431,990; Aug. 12. Class 14.

Scribner's, Charles, Sons, New York, N. Y. Printed books. 431,965; Aug. 12; Serial No. 507,430; published May 13, 1947. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Vehicle tires and tubes. 223,184; renewed Jan. 18, 1947. O. G. Aug. 12. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Radio receiving sets and parts thereof and radio loud speakers. 223,249; renewed Jan. 25, 1947. O. G. Aug. 12. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Vehicle tires and tubes. 223,676; renewed Feb. 8, 1947. O. G. Aug. 12. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Alarm clocks. 224,019; renewed Feb. 15, 1947. O. G. Aug. 12. Class 27.

Seaslic, Inc.: *See*—
Seaslic, Incorporated.

Seaslic, Incorporated, sometimes doing business as Seaslic, Inc., Chicago, Ill. Powdered food-flavoring product. 431,957; Aug. 12; Serial No. 506,350; published May 13, 1947. Class 46.

Select Cosmetics: *See*—
Montenier, Jules.

Shapiro, Harry, doing business as Chemical Specialties Company, New York, N. Y. Insecticidal shampoo. 431,849; Aug. 12; Serial No. 497,972; published May 6, 1947. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Rectal suppository. 431,963; Aug. 12; Serial No. 507,346; published Apr. 22, 1947. Class 6.

Shoe Covers Corporation, New York, N. Y. Synthetic resins, solvated synthetic or natural resins, etc. 431,988; Aug. 12. Class 6.

Shulter & Benninghofen, Hamilton, Ohio. Wool sleeping-out bags. 224,366; renewed Feb. 22, 1947. O. G. Aug. 12. Class 39.

Sibner, H. R., Co.: *See*—
Sibner, Harold R.

Sibner, Harold R., doing business as H. R. Sibner Co., New York, N. Y. After shave lotion, hand lotion, hair lotion, etc. 431,828; Aug. 12; Serial No. 493,697; published May 13, 1947. Class 6.

Silverman, Isadore, doing business as Pro-Tex-All Sanitary Products Co., to Pro-Tex-All Company, Inc., Evansville, Ind. Roach insecticide or powder. 228,231; renewed May 24, 1947. O. G. Aug. 12. Class 6.

Silverman, Isadore, doing business as Pro-Tex-All Sanitary Products Co., to Pro-Tex-All Company, Inc., Evansville, Ind. Fly insecticide of powder. 229,054; renewed June 21, 1947. O. G. Aug. 12. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Anti-biotic mixture. 431,899; Aug. 12; Serial No. 503,398; published May 13, 1947. Class 6.

Société Anonyme des Laboratories du Docteur Debat, Paris, France. Antiphlogistic and antipruritic ointment and powder. 222,296; renewed Dec. 28, 1946. O. G. Aug. 12. Class 6.

Societe Gentil & Cie: *See*—
Gentil, Edmoud.

Société Job, Anciens Etablissements Bardou-Job et Paulhac: *See*—
Maison Pierre Bardou-Job.

Socony-Vacuum Oil Company, Incorporated: *See*—
Vacuum Oil Company.

Solurol (Thymic Acid) Company, Limited, The, to The Pharmaco-Chemical Products Co., Ltd., London, England. Uric-acid solvent. 59,798; re-renewed Jan. 15, 1947. O. G. Aug. 12. Class 6.

Sonneborn, Henry, Company, Inc., to Harry Myers & Company, Inc., Baltimore, Md. Men's and boys' suits and overcoats. 226,200; renewed Apr. 5, 1947. O. G. Aug. 12. Class 39.

Spencerian Pen Company, Newark, N. J., and New York, N. Y., to Spencerian Pen Company Inc., New York, N. Y. Pens. 29,696; re-renewed Mar. 16, 1947. O. G. Aug. 12. Class 37.

Spencerian Pen Company, The, to Spencerian Pen Company Inc., New York, N. Y. Writing pens of all kinds. 224,642; renewed Mar. 1, 1947. O. G. Aug. 12. Class 37.

Spencerian Pen Company, The, to Spencerian Pen Company, Inc., New York, N. Y. Writing pens of all kinds. 226,282; renewed Apr. 5, 1947. O. G. Aug. 12. Class 37.

Spencerian Pen Company Inc.: *See*—
Spencerian Pen Company.
Spencerian Pen Company, The.

Standard Laboratories Inc., assignee: *See*—
Pfeiffer Chemical Company.

Standard Laboratories, Inc., New York, N. Y. Antacid and laxative. 431,818; Aug. 12; Serial No. 490,146; published Apr. 22, 1947. Class 6.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles and candle bases, paraffin wax, etc. 223,147; renewed Jan. 18, 1947. O. G. Aug. 12. Class 15.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles and candle bases, paraffin wax, etc. 223,705; renewed Feb. 8, 1947. O. G. Aug. 12. Class 15.

Stanley, Wm. H., Inc., New York, N. Y. Canned fish, canned shrimp, canned oysters, etc. 229,266; renewed June 21, 1947. O. G. Aug. 12. Class 46.

Star Chemical Company, San Antonio, Tex. Hair shampoo, disinfectant, and deodorant, etc. 431,876; Aug. 12; Serial No. 501,781; published Apr. 29, 1947. Class 6.

Starr Piano Company, The, to The Starr Piano Company, Inc., Richmond, Ind. Pianos. 60,204; re-renewed Jan. 29, 1947. O. G. Aug. 12. Class 36.

Starr Piano Company, Inc., The: *See*—
Richmond Piano Co.
Starr Piano Company, The.

Stauffer, B. H., Research Laboratory: *See*—
Stauffer, Bernard H.

Stauffer, Bernard H., doing business as B. H. Stauffer Research Laboratory, Los Angeles, Calif. Perfume, nail polish, path solution. 432,047; Aug. 12. Class 6.

Stearns & Curtiss, New York, N. Y., to Nyal Company, Detroit, Mich. Laxatives. 63,203; re-renewed June 11, 1947. O. G. Aug. 12. Class 6.

Stearns, Frederick, & Company, Detroit, Mich., to Sterling Drug Inc., Wilmington, Del. Medicinal preparation. 228,976; renewed June 14, 1947. O. G. Aug. 12. Class 6.

Stein, Hall & Company, Inc., New York, N. Y. Tapioca, egg albumen, and egg yolk. 227,933; renewed May 17, 1947. O. G. Aug. 12. Class 46.

Stephens, Leslie A., Cleveland, Ohio. Retreaded or recapped vehicle tires. 432,034; Aug. 12. Class 35.

Sterling Drug Inc.: *See*—
Bayer Company, Inc., The.
Stearns, Frederick, & Company.

Stewart, John R., Philadelphia, Pa. Rayon in the form of synthetic fibers. 431,860; Aug. 12; Serial No. 499,668; published Apr. 22, 1947. Class 1.

Stewart, John R., Philadelphia, Pa. Rayon in the form of synthetic fibers. 431,861; Aug. 12; Serial No. 499,669; published May 13, 1947. Class 1.

Stifel, J. L., & Sons, to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 220,542; renewed June 28, 1947. O. G. Aug. 12. Class 42.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Strausberg, Jack, Chicago, Ill. Cartoons. 431,848; Aug. 12; Serial No. 497,887; published May 13, 1947. Class 38.

Strommen, M. T., Arcadia, Calif. Lipstick and rouge. 431,897; Aug. 12; Serial No. 503,230; published May 13, 1947. Class 6.

Sultech Company: *See*—
Alsos, Dell.

Supreme Council Mystic Order of Veiled Prophets of the Enchanted Realm, Chicago, Ill. Circulars, pamphlets, booklets, etc. 431,841; Aug. 12; Serial No. 496,872; published May 13, 1947. Class 38.

Swift & Company: *See*—
Western Meat Company.

Swift & Company, Chicago, Ill. Glycerin. 224,016; renewed Feb. 15, 1947. O. G. Aug. 12. Class 6.

Tavernier & Fricke, Los Angeles, Calif. Wrapping paper, toilet paper, and wax paper. 431,969; Aug. 12; Serial No. 507,865; published May 27, 1947. Class 37.

Teen Timer Laboratories Co., Inc., New York, N. Y. Perfumes, colognes, deodorants, etc. 431,824; Aug. 12; Serial No. 493,152; published Sept. 24, 1946. Class 6.

Tennessee Eastman Corporation, Kingsport, Tenn. Secondary aromatic amine. 431,958; Aug. 12; Serial No. 506,558; published May 13, 1947. Class 6.

Tennessee Stove Works, Chattanooga, Tenn. Coal, wood, or gas ranges. 226,806; renewed June 14, 1947. O. G. Aug. 12. Class 34.

Tex-O-Kan Flour Mills Co.: *See*—
New Century Milling Company, The.

Thall, David, doing business as Thall's Home Remedies, Manchester, N. H. Cough syrup, nerve tonic, laxative, etc. 432,044; Aug. 12. Class 6.

Thall's Home Remedies: *See*—
Thall, David.

Thermoplastic Fabrics Corporation, New York, N. Y. Translucent or transparent plastic film. 432,021; Aug. 12. Class 42.

Toilet Paint and Chemical Co.: *See*—
Peters, Martin C.

Trump, F. J.: *See*—
Trump, Frederic J.

Trump, Frederic J., doing business as F. J. Trump, Stamford, Conn. Cleansing cream, cold cream, lipstick, etc. 431,935; Aug. 12; Serial No. 505,086; published May 6, 1947. Class 6.

Tucker's, Mrs., Foods, Incorporated: *See*—
Interstate Cotton Oil Refining Co.

Unger, Samuel L., New York, N. Y. Letterheads. 432,088; Aug. 12. Class 37.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper and paper-boards. 63,687; re-renewed July 2, 1947. O. G. Aug. 12. Class 37.

Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.

Union Steel Casting Company, Pittsburgh, to Blaw-Knox Company, Blawnox, Pa. Unfinished steel castings. 222,185; renewed Dec. 21, 1946. O. G. Aug. 12. Class 14.

United Oil Company, Pittsburgh, Pa. Lubricating oils and greases. 222,559; renewed Jan. 4, 1947. O. G. Aug. 12. Class 15.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 432,032; Aug. 12. Class 38.

United States Rubber Company: *See*—
Badger Rubber Works, The.
Eureka Fire Hose Company.
Eureka Fire Hose Manufacturing Company.
L. X. L. Steam Packing Manufacturing Co.
Peerless Rubber Manufacturing Company.
Peerless Rubber Mfg. Co., The.

United States Shoe Company, The, to The United States Shoe Corporation, Cincinnati, Ohio. Shoes. 227,680; renewed May 10, 1947. O. G. Aug. 12. Class 39.

United States Shoe Corporation, The: *See*—
United States Shoe Company, The.

United States Time Corporation, The, Waterbury, Conn. Jewelry. 431,974; Aug. 12; Serial No. 509,053; published May 13, 1947. Class 28.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 431,843; Aug. 12; Serial No. 497,144; published Apr. 22, 1947. Class 6.

Uris Sales Corp., New York, N. Y. Watches. 431,977; Aug. 12; Serial No. 509,803; published May 6, 1947. Class 27.

V Company: *See*—
Vilta, Maiju.

Vacuum Oil Company, Rochester, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Floor and linoleum dressing waxes, coating oils, and greases. 62,516; re-renewed May 14, 1947. O. G. Aug. 12. Class 16.

Vacuum Oil Company, Rochester, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Chemical mixtures. 62,629; re-renewed May 14, 1947. O. G. Aug. 12. Class 6.

Vacuum Oil Company, Rochester, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating, illuminating, and heating oils, greases, and waxes, etc. 62,821; re-renewed May 28, 1947. O. G. Aug. 12. Class 15.

Vacuum Oil Company, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oils, greases, and waxes of all kinds. 225,649; renewed Mar. 22, 1947. O. G. Aug. 12. Class 15.

Vacuum Oil Company, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gasoline. 226,707; renewed Apr. 19, 1947. O. G. Aug. 12. Class 15.

Valley View Packing Company, San Jose, Calif. Dried fruits. 432,033; Aug. 12. Class 46.

Vanderbilt, Gloria, Corp., New York, N. Y. Perfumes and toilet water. 431,954; Aug. 12; Serial No. 506,305; published May 13, 1947. Class 6.

Vanderbilt, Gloria, Corp., New York, N. Y. Men's colognes. 431,955; Aug. 12; Serial No. 506,307; published May 13, 1947. Class 6.

Vanderbilt, Gloria, Corp., New York, N. Y. Perfumes and toilet water. 431,956; Aug. 12; Serial No. 506,310; published May 13, 1947. Class 6.

Vanderbilt Tire & Rubber Corp., New York, N. Y. Pneumatic automobile tires. 431,999; Aug. 12. Class 35.

Van Sinden, Carl H., doing business as Kem-Stone Products Co. (not incorporated), assignor to Kem-Stone Products Company, Chicago, Ill. Detergents. 431,808; Aug. 12; Serial No. 482,451; published May 13, 1947. Class 4.

Ventilouvre Company, The, Bridgeport, Conn., to The Ventilouvre Company, Marietta, Ohio. Built-in ventilators, transoms, doors, etc. 227,075; renewed Apr. 26, 1947. O. G. Aug. 12. Class 12.

Verity, R. H., Sons & Co.: *See*—
Charles-Davis Company.

Vestal Chemical Co., to Vestal Laboratories, Inc., St. Louis, Mo. Floor-waxing product. 228,375; renewed May 31, 1947. O. G. Aug. 12. Class 16.

Vestal Chemical Co., to Vestal Laboratories, Inc., St. Louis, Mo. Protective cleanser and scrubbing compound. 228,523; renewed June 7, 1947. O. G. Aug. 12. Class 4.

Vestal Laboratories, Inc.: *See*—
Vestal Chemical Co.

Viavi Company, The: *See*—
Law, Hartland, Herbert E. Law.

Vilta, Maiju, doing business as V Company, Lantana, Fla. Facial pack. 431,816; Aug. 12; Serial No. 489,692; published Apr. 22, 1947. Class 6.

Vivaudou, Victor, New York, N. Y., to Lucien LeLong, Inc., Chicago, Ill. Face powders, face creams, face packs, etc. 227,270; renewed May 3, 1947. O. G. Aug. 12. Class 6.

Wadsworth-Howland Company, to Jewel Paint and Varnish Co., Chicago, Ill. Semiglass enamel-finish paint. 229,066; renewed June 21, 1947. O. G. Aug. 12. Class 16.

Waltz the Camera Man: *See*—
Waltz, Guy G.

Waltz, Guy G., doing business as Waltz the Camera Man, Canton, Ohio. Photographic prints, snap shots, enlargements, and framed photographic prints. 431,966; Aug. 12; Serial No. 507,444; published May 6, 1947. Class 88.

Warner, William R., & Co., Inc., New York, N. Y. Composition of penicillin and aluminum hydroxide gel. 431,918–19; Aug. 12; Serial Nos. 504,232–3; published May 6, 1947. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Composition of penicillin and aluminum hydroxide gel with magnesium trisilicate, etc. 431,829; Aug. 12; Serial No. 494,148; published June 4, 1946. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Composition of penicillin and aluminum hydroxide gel, etc. 431,920–1; Aug. 12; Serial Nos. 504,234–5; published May 13, 1947. Class 6.

Wasmuth-Goodrich Company, Peru, Ind., to Emerson Radio and Phonograph Corporation, New York, N. Y. Complete radio receiving sets. 225,976; renewed Mar. 29, 1947. O. G. Aug. 12. Class 21.

Watson-Standard Company, The: *See*—
Eagle Paint & Varnish Company.

Welch Grape Juice Company, The, Westfield, N. Y. Jam or conserve. 431,967; Aug. 12; Serial No. 503,556; published May 13, 1947. Class 46.

Wel-Ever Piston Ring Company, The, Toledo, Ohio. Piston rings. 227,437; renewed May 3, 1947. O. G. Aug. 12. Class 35.

Wells, Willard Z., doing business as Essential Chemical and Drug Co., Burlington, N. J. Toothache drops. 431,804; Aug. 12; Serial No. 503,177; published May 13, 1947. Class 6.

West Bend Canners Inc., West Bend, Wis. Canned vegetables. 432,009; Aug. 12. Class 46.

Western Exterminating Co., Inc., Newark, N. J. Liquid and powder insecticides. 431,982; Aug. 12; Serial No. 505,924; published May 6, 1947. Class 6.

Western Felt Works, to Western Felt Works, Chicago, Ill. Felt and floor padding. 224,335; renewed Feb. 22, 1947. O. G. Aug. 12. Class 50.

Western Meat Company, South San Francisco, Calif., to Swift & Company, Chicago, Ill. Soap. 223,943; renewed Feb. 15, 1947. O. G. Aug. 12. Class 4.

Western Meat Company, South San Francisco, Calif., to Swift & Company, Chicago, Ill. Liquid shampoo. 224,440; renewed Mar. 1, 1947. O. G. Aug. 12. Class 6.

Wetherbelt's Perfume Co., Chicago, Ill. Perfume, cologne, bubble bath, etc. 432,000; Aug. 12. Class 6.

Wetmore, Janes & Sugden Inc., to Wetmore & Sugden, Inc., Rochester, N. Y. Greeting cards, social and commercial announcements, place cards, etc. 223,915; renewed Feb. 15, 1947. O. G. Aug. 12. Class 38.

Wetmore & Sugden, Inc.: *See*—
Wetmore, Janes & Sugden Inc.

Weyman Brothers, Los Angeles, Calif. Ladies' hats. 226,396; renewed Apr. 5, 1947. O. G. Aug. 12. Class 39.

Wheelock, Lovejoy & Company, Inc., Cambridge, Mass., New York, N. Y., Cleveland, Ohio, and Chicago, Ill., to Wheelock, Lovejoy & Company, Inc., Cambridge, Mass. Metals and metal castings and forgings, etc. 229,183; renewed June 21, 1947. O. G. Aug. 12. Class 14.

Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings. 228,947; renewed June 14, 1947. O. G. Aug. 12. Class 35.

Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent. 431,858; Aug. 12; Serial No. 499,184; published May 13, 1947. Class 6.

Wood-Treating Chemicals Company, St. Louis, Mo. Chemical preparations. 432,053; Aug. 12. Class 6.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. 228,464; renewed May 31, 1947. O. G. Aug. 12. Class 39.

Woolfolk Chemical Works, Ltd.: *See*—
Woolfolk, J. W., Company, Inc., The.

Woolfolk, J. W., Company, Inc., The, to Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Insecticides and fungicides. 228,159; renewed May 24, 1947. O. G. Aug. 12. Class 6.

Wrenn Paper Company, The, Middleton, Ohio. Blotting paper. 226,850; renewed Apr. 19, 1947. O. G. Aug. 12. Class 37.

X-Term-A Company, The: *See*—
Carroll, William T.

Youngs Rubber Corporation: *See*—
Youngs Rubber Corporation, Inc.

Youngs Rubber Corporation, Inc., doing business as Parfumere Paulette, to Youngs Rubber Corporation, New York, N. Y. Medicinal preparations. 229,525; renewed June 28, 1947. O. G. Aug. 12. Class 6.

Youngs Rubber Corporation, Inc., to Youngs Rubber Corporation, New York, N. Y. Medicinal preparations. 229,526; renewed June 28, 1947. O. G. Aug. 12. Class 6.

Yuill, Anna-Jean, assignor to Consolidated Cosmetics, Chicago, Ill. Aspirin. 431,925; Aug. 12; Serial No. 504,414; published Apr. 22, 1947. Class 6.

Zakwin, David D., Los Angeles, Calif. Finger rings, earrings, metal wrist watch bands, etc. 431,970; Aug. 12; Serial No. 508,198; published May 6, 1947. Class 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Aggregate in bat form for stuffing, quilting, filling, or padding. Jensen Manufacturing Company. 431,806; Aug. 12; Serial No. 476,392; published May 13, 1947.

Clay, Powdered bentonite. Owyhee Chemical Products Company. 224,327; renewed Feb. 22, 1947. O. G. Aug. 12.

Coal. Bell Coal Company. 226,332; renewed Apr. 5, 1947. O. G. Aug. 12.

Coal. Bell Coal Company. 227,245; renewed May 3, 1947. O. G. Aug. 12.

Coal. Imperial Coal Corporation. 223,076; renewed Jan. 18, 1947. O. G. Aug. 12.

Flowers, plants, and floral pieces. F. Fleischman. 226,988; renewed Apr. 26, 1947. O. G. Aug. 12.

Lawn-grass seed. Northrup, King & Company. 228,511; renewed June 7, 1947. O. G. Aug. 12.

Mineral mixture with the base of magnesite. Continental Ore Company. 431,898; Aug. 12; Serial No. 503,284; published May 6, 1947.

Rayon in the form of synthetic fibers. J. R. Stewart. 431,860; Aug. 12; Serial No. 499,668; published Apr. 22, 1947.

Rayon, in the form of synthetic fibers. J. R. Stewart. 431,861; Aug. 12; Serial No. 499,669; published May 13, 1947.

Resin. Hercules Powder Company. 431,959; Aug. 12; Serial No. 506,718; published May 13, 1947.

Sawdust and shavings. National Sawdust Co., Inc. 229,551; renewed June 28, 1947. O. G. Aug. 12.

Sheets, webs or batts. Celanese Corporation of America. 431,867; Aug. 12; Serial No. 500,739; published May 13, 1947.

CLASS 2

Boxes, Cardboard. Reynolds Metals Company. 431,984; Aug. 12.

Cans, Rubbish, trash, or catchall. Economy Baler Company. 226,724; renewed Apr. 19, 1947. O. G. Aug. 12.

Cases made of inferior metal. French Beauty Products Co., Inc. 224,594; renewed Mar. 1, 1947. O. G. Aug. 12.

Vanity cases, compacts, and lipstick holders. Les Parfums de Dana, Inc. 431,833; Aug. 12; Serial No. 495,075; published Apr. 30, 1946.

Vanity cases, compacts, and lipstick holders. Les Parfums de Dana, Inc. 431,834; Aug. 12; Serial No. 495,077; published Apr. 30, 1946.

CLASS 3

Straps and harness straps (plain), Hame. J. E. Rhoads & Sons. 229,365; renewed June 28, 1947. O. G. Aug. 12.

CLASS 4

Cleaning fluid for closet bowls and urinals. Great Northern Chemical Company. 228,134; renewed May 24, 1947. O. G. Aug. 12.

Cleanser and scrubbing compound, Protective. Vestal Chemical Co. 228,523; renewed June 7, 1947. O. G. Aug. 12.

Cream for polishing and preserving leather. J. W. B. Foringer. 431,933; Aug. 12; Serial No. 505,047-9; published May 13, 1947.

Detergents. C. H. Van Sinden. 431,808; Aug. 12; Serial No. 482,451; published May 13, 1947.

Polish. F. V. Morse. 60,697-8; re-renewed Feb. 19, 1947. O. G. Aug. 12.

Polish. F. V. Morse. 60,700; re-renewed Feb. 19, 1947. O. G. Aug. 12.

Polish. F. V. Morse. 60,702; re-renewed Feb. 19, 1947. O. G. Aug. 12.

Preparation for application to glass for precluding fogging. Carrier-Stephens Company. 228,916; renewed June 14, 1947. O. G. Aug. 12.

Shaving bowl containing soap, Lavender. Associated Merchandising Corporation. 431,901; Aug. 12; Serial No. 503,359; published May 13, 1947.

Shaving-soap. J. T. Robertson Company. 60,153; re-renewed Jan. 29, 1947. O. G. Aug. 12.

Soap. W. E. Schultz. 431,995; Aug. 12.

Soap. Western Meat Company. 223,943; renewed Feb. 15, 1947. O. G. Aug. 12.

Soap, Toilet. Bourjois, Inc. 223,221; renewed Jan. 18, 1947. O. G. Aug. 12.

Soap, Toilet and bath. Procter & Gamble Company. 223,177; renewed Jan. 18, 1947. O. G. Aug. 12.

CLASS 6

Accelerators. Firestone Tire & Rubber Company. 431,832; Aug. 12; Serial No. 494,551; published Apr. 8, 1947.

Amine, Secondary aromatic. Tennessee Eastman Corporation. 431,958; Aug. 12; Serial No. 506,556; published May 13, 1947.

Antacid and laxative. Standard Laboratories, Inc. 431,818; Aug. 12; Serial No. 490,146; published Apr. 22, 1947.

Anti-biotic mixture. Smith, Kline & French Laboratories. 431,899; Aug. 12; Serial No. 503,398; published May 13, 1947.

Applicators. BIC Manufacturing Corporation. 432,008; Aug. 12.

Aspirin. Anna-Jean Yuill. 431,925; Aug. 12; Serial No. 504,414; published Apr. 22, 1947.

Astringent, Mucous. Rio Chemical Co. 63,012; re-renewed June 4, 1947. O. G. Aug. 12.

Boric acid, deodorizing and soothing foot powder, etc. J. E. T. Pharmacal Co. 431,825; Aug. 12; Serial No. 493,194; published May 6, 1947.

Bougie and the like containing a compound for treatment of mammary glands. F. E. Martin. 431,831; Aug. 12; Serial No. 494,455; published Apr. 29, 1947.

Capsules, tablets, or liquids, Multiple vitamin. Chase Chemical Company. 431,805; Aug. 12; Serial No. 465,382; published Feb. 1, 1944.

Chemical agent used in the application of dyes. Geigy Company, Inc. 431,874; Aug. 12; Serial No. 501,663; published May 6, 1947.

Chemical compound. E. I. du Pont de Nemours and Company. 431,844; Aug. 12; Serial No. 497,234; published Sept. 17, 1946.

Chemical compound, Flameproofing. M. D. Bloomfield. 432,043; Aug. 12.

Chemical mixtures. Vacuum Oil Company. 62,629; re-renewed May 14, 1947. O. G. Aug. 12.

Chemical preparation. Wood-Treating Chemicals Company. 432,053; Aug. 12.

Chemical preparations. M. C. Peters. 431,864; Aug. 12; Serial No. 500,182; published Apr. 22, 1947.

Chemical, Water-proofing. J. T. Berdan. 431,868; Aug. 12; Serial No. 500,792; published Apr. 29, 1947.

Chemotherapeutic agent. Winthrop Chemical Company, Inc. 431,858; Aug. 12; Serial No. 499,184; published May 13, 1947.

Coal-tar dyes, disinfectants, preservatives for foods, etc. General Dyestuff Corporation. 228,108; renewed May 24, 1947. O. G. Aug. 12.

Coating compound. Plasticote Fabrics Corp. 432,020; Aug. 12.

Cologne, Men's. Gloria Vanderbilt Corp. 431,955; Aug. 12; Serial No. 506,307; published May 13, 1947.

Cologne, Perfume, deodorant. Kay Daumit, Inc. 431,923; Aug. 12; Serial No. 504,338; published May 13, 1947.

Coloring products. Arnold, Hoffman & Co. Incorporated. 431,927; Aug. 12; Serial No. 504,654; published May 6, 1947.

Composition for relief in eczema, tetter, ringworm, etc. Jacques Specialty Co. 431,987; Aug. 12.

Composition of penicillin and aluminum hydroxide gel. William R. Warner & Co., Inc. 431,918-19; Aug. 12; Serial Nos. 504,232-3; published May 6, 1947.

Composition of penicillin and aluminum hydroxide gel, etc. William R. Warner & Co., Inc. 431,920-1; Aug. 12; Serial Nos. 504,234-5; published May 13, 1947.

Composition of penicillin and aluminum hydroxide gel with magnesium trisilicate, etc. W. R. Warner & Co., Inc. 431,829; Aug. 12; Serial No. 494,148; published June 4, 1946.

Compositions for sizing, stiffening, and finishing thread, yarns, etc. I. G. Farbenindustrie Aktiengesellschaft. 228,362; renewed May 31, 1947. O. G. Aug. 12.

Compounds for the fulling and scouring of woolen, worsted, and other textiles. E. F. Houghton & Co. 228,672; renewed June 7, 1947. O. G. Aug. 12.

Cosmetic make-up set. Avon Products, Inc. 432,035; Aug. 12.

Cough medicine. E. C. Doerr. 227,299; renewed May 3, 1947. O. G. Aug. 12.

Cough syrup, nerve tonic, laxative, etc. D. Thall. 432,044; Aug. 12.

Cream, cold cream, lipstick, Cleansing. F. J. Trump. 431,936; Aug. 12; Serial No. 505,086; published May 6, 1947.

Cream, make-up cream, and medicated cream, Eye-lid. Martha Lee, Inc. 432,031; Aug. 12.

Cream, medicated lotion, astringent preparation, etc., Cleansing. Marth Lee, Inc. 432,029; Aug. 12.

Cream preparation for use against diaper rash. Comfort Products, Inc. 432,012; Aug. 12.

Cream, Toilet. Pavillon Cosmetics, Incorporated. 431,889; Aug. 12; Serial No. 502,663; published Apr. 22, 1947.

Creams, Face and body. Elizabeth Arden Sales Corporation. 431,994; Aug. 12.

Drug. Barron Chemical Corp. 431,836; Aug. 12; Serial No. 495,718; published Apr. 22, 1947.

Eau de cologne, perfumes, face powders, etc. S. de Benveniste. 431,855; Aug. 12; Serial No. 499,118; published Apr. 29, 1947.

Eau de cologne, perfumes, face powders, etc. S. de Benveniste. 431,856-7; Aug. 12; Serial Nos. 499,121-2; published Apr. 29, 1947.

Facial pack. M. Viita. 431,816; Aug. 12; Serial No. 489,632; published Apr. 22, 1947.

Food composition in liquid form. Meat Industry Suppliers, Inc. 432,022; Aug. 12.

Gall stone remedy. Dewma Company. 431,880; Aug. 12; Serial No. 502,195; published May 6, 1947.

Germicides and fungicides. H. L. Goldwag. 431,826; Aug. 12; Serial No. 493,348; published May 6, 1947.

Glycerin. Swift & Company. 224,016; renewed Feb. 15, 1947. O. G. Aug. 12.

Grease for use on hat surfaces, brim stiffener chemicals and hat maker's kits, Luring. J. B. Mast Co., Inc. 431,863; Aug. 12; Serial No. 499,957; published Apr. 22, 1947.

Hair dressing and shampoo. J. Montenier. 431,881; Aug. 12; Serial No. 502,225; published Apr. 22, 1947.

Hair waving supplies, Permanent. Helene Curtis Industries. 431,943; Aug. 12; Serial No. 505,396; published Apr. 29, 1947.

Insecticide. Plant Products Company. 431,811; Aug. 12; Serial No. 483,787; published June 11, 1946.

Insecticide dispensers. Regal Chemical Corporation. 431,840; Aug. 12; Serial No. 496,470; published May 6, 1947.

Insecticide or powder, Fly. I. Silverman. 229,054; renewed June 21, 1947. O. G. Aug. 12.

Insecticide or powder, Roach. I. Silverman. 228,231; renewed May 24, 1947. O. G. Aug. 12.

Insecticides. Farmcraft, Inc. 431,913; Aug. 12; Serial No. 504,041; published May 6, 1947.

Insecticides. E. J. Kennedy. 431,837-8; Aug. 12; Serial Nos. 496,030-1; published Apr. 22, 1947.

Insecticides. Plant Products Company. 431,810; Aug. 12; Serial No. 483,784; published Oct. 22, 1946.

Insecticides and fungicides. J. W. Woolfolk Company, Inc. 228,159; renewed May 24, 1947. O. G. Aug. 12.

Insecticides, Liquid and powder. Western Exterminating Co., Inc. 431,932; Aug. 12; Serial No. 505,024; published May 6, 1947.

Insecticides, meat-curing preparations and compounds, food colors, etc. B. Heller & Company. 229,125; renewed June 21, 1947. O. G. Aug. 12.

Iodine and phenolic acid compounds in glycerine. J. M. Farnsworth. 431,814; Aug. 12; Serial No. 486,523; published Feb. 4, 1947.

Laxative medicines. Pfeiffer Chemical Company. 431,985; Aug. 12.

Laxatives. Stearns & Curtius. 63,203; re-renewed June 11, 1947. O. G. Aug. 12.

Liniments. Phillips Pharmaceutical Products, Inc. 431,815; Aug. 12; Serial No. 489,008; published May 6, 1947.

Lipstick and brush applicator, Combination unit of. Associated Products, Inc. 431,823; Aug. 12; Serial No. 492,758; published Apr. 22, 1947.

Lipstick and rouge. M. T. Strommen. 431,897; Aug. 12; Serial No. 503,230; published May 13, 1947.

Lipsticks. Advertising Arts Corporation. 432,019; Aug. 12.

Lipsticks. Lehn & Fink Products Corporation. 431,910-11; Aug. 12; Serial Nos. 503,914-15; published May 6, 1947.

Liquid coating. Ramsell Products Inc. 432,017; Aug. 12.

Lotion and bay rum, cleansing cream and lemon cleansing cream, Hair. Bonheur Co., Inc. 431,813; Aug. 12; Serial No. 486,190; published May 6, 1947.

Lotion, Antiseptic. W. H. Houser. 431,854; Aug. 12; Serial No. 498,897; published Nov. 12, 1946.

Lotion, hand lotion, hair lotion, etc., After shave. H. R. Sibner. 431,828; Aug. 12; Serial No. 493,697; published May 13, 1947.

Lotion, shampoo, and after-shaving balm, Hair and scalp. S. Pfeiffer Mfg. Co. 431,892; Aug. 12; Serial No. 503,125; published Apr. 22, 1947.

Lotions; face, talcum, and sachet powders; face creams, etc., Toilet. G. T. Gibson. 228,117; renewed May 24, 1947. O. G. Aug. 12, 1947.

Lotions, skin bleaches, vanishing, cleansing, and cold cream, etc., Face. Associated Products, Inc. 431,945; Aug. 12; Serial No. 505,549; published Apr. 22, 1947.

Makeup, Liquid and cream. G. Salée. 431,960; Aug. 12; Serial No. 506,772; published Apr. 29, 1947.

Medicated stock foods. Drs. Hess & Clark. 62,206; re-renewed Apr. 23, 1947. O. G. Aug. 12.

Medicated stock foods. Drs. Hess & Clark. 62,311; re-renewed Apr. 30, 1947. O. G. Aug. 12.

Medicinal preparation. Vincent Christina & Company, Inc. 431,886; Aug. 12; Serial No. 502,558; published May 6, 1947.

Medicinal preparation. Charles C. Haskell & Co., Inc. 431,817; Aug. 12; Serial No. 489,909; published Apr. 22, 1947.

Medicinal preparation. Eli Lilly and Company. 431,883; Aug. 12; Serial No. 502,383; published May 13, 1947.

Medicinal preparation. Eli Lilly and Company. 431,884; Aug. 12; Serial No. 502,384; published May 6, 1947.

Medicinal preparation. Eli Lilly and Company. 431,946; Aug. 12; Serial No. 505,603; published Apr. 22, 1947.

Medicinal preparation. Frederick Stearns & Company. 228,976; renewed June 14, 1947. O. G. Aug. 12.

Medicinal preparation. Upjohn Company. 431,843; Aug. 12; Serial No. 497,144; published Apr. 22, 1947.

Medicinal preparations. Vincent Christina & Company, Inc. 431,887; Aug. 12; Serial No. 502,559; published Apr. 29, 1947.

Medicinal preparations. Eli Lilly and Company. 431,859; Aug. 12; Serial No. 499,250; published Apr. 29, 1947.

Medicinal preparations. Pennex Products Co., Incorporated. 431,839; Aug. 12; Serial No. 496,267; published May 6, 1947.

Medicinal preparations. S. Saletan. 228,981; renewed June 14, 1947. O. G. Aug. 12.

Medicinal preparations. Youngs Rubber Corporation, Inc. 229,525; renewed June 28, 1947. O. G. Aug. 12.

Medicinal preparations. Youngs Rubber Corporation, Inc. 229,526; renewed June 28, 1947. O. G. Aug. 12.

Medicine for female diseases. Chattanooga Medicine Company. 227,531; renewed May 10, 1947. O. G. Aug. 12, 1947.

Moth and insect preventative preparations. D. Krutman. 432,018; Aug. 12.

Mothproofing composition. H. Prince. 431,882; Aug. 12; Serial No. 502,328; published Apr. 29, 1947.

Mouth wash. Rigo Manufacturing Company. 431,975; Aug. 12; Serial No. 509,303; published Apr. 22, 1947.

Mouth wash, Liquid. J. A. Buttny. 431,812; Aug. 12; Serial No. 484,238; published May 6, 1947.

Nose drops. Lynn Laboratories. 431,982; Aug. 12; Serial No. 515,354; published May 6, 1947.

Oil, lilac lotion, cocoanut oil shampoo, etc., Hair. Royal Manufacturing Co. of Duquesne. 431,938; Aug. 12; Serial No. 505,241; published Apr. 29, 1947.

Oil, Scalp. Martin Beauty Products Co. 432,036; Aug. 12.

Ointment and powder, Antiphlogistic and antipruritic. Société Anonyme des Laboratories du Docteur Debat. 222,296; renewed Dec. 28, 1946. O. G. Aug. 12.

Ointment for skin diseases. Deloney & Company. 223,409; renewed Feb. 1, 1947. O. G. Aug. 12.

Ointment for skin diseases and a tonic for hair and scalp. Deloney & Company, Inc. 228,962; renewed June 14, 1947. O. G. Aug. 12.

Ointment, Medicated. W. T. Carroll. 431,912; Aug. 12; Serial No. 503,971; published Apr. 22, 1947.

Parasiticides. California Spray-Chemical Corporation. 431,866; Aug. 12; Serial No. 500,279; published Apr. 29, 1947.

Perfume. R. Hudnut. 228,105; renewed May 24, 1947. O. G. Aug. 12.

Perfume and toilet water. Jean d'Hennery, Inc. 431,902; Aug. 12; Serial No. 503,873; published May 6, 1947.

Perfume and toilet water. Jean d'Hennery, Inc. 431,903; Aug. 12; Serial No. 503,876; published May 6, 1947.

Perfume and toilet water. Jean d'Hennery, Inc. 431,904–6; Aug. 12; Serial Nos. 503,878–80; published May 6, 1947.
Perfume and toilet water. Jean d'Hennery, Inc. 431,907–9; Aug. 12; Serial Nos. 503,883–5; published May 6, 1947.
Perfume and toilet water. Lucky Heart Laboratories, Inc. 431,948; Aug. 12; Serial No. 505,705; published Apr. 22, 1947.
Perfume, cologne and toilet water. J. Price. 431,878; Aug. 12; Serial No. 502,154; published Apr. 22, 1947.
Perfume, cologne, bubble bath, etc. Wetherholt's Perfume Co. 432,000; Aug. 12.
Perfume, cologne, face powder, etc. Consolidated Cosmetics. 431,835; Aug. 12; Serial No. 495,131; published Apr. 29, 1947.
Perfume, nail polish, bath solution. B. H. Stauffer. 432,047; Aug. 12.
Perfumery articles. C. B. Elzaguirre. 431,821; Aug. 12; Serial No. 491,072; published May 6, 1947.
Perfumery, cosmetics. L. Scherk. 227,577; renewed May 10, 1947. O. G. Aug. 12.
Perfumery products. Haugron Cientifical, S. A. 431,852; Aug. 12; Serial No. 498,767; published May 13, 1947.
Perfumes. W. S. Hieber. 431,896; Aug. 12; Serial No. 503,200; published Apr. 22, 1947.
Perfumes. W. S. Hieber. 431,900; Aug. 12; Serial No. 503,728; published Apr. 29, 1947.
Perfumes and toilet water. Lancome Sales Inc. 431,872; Aug. 12; Serial No. 501,188; published Dec. 17, 1946.
Perfumes and toilet water. Myrurgia, S. A. 225,912; renewed Mar. 29, 1947. O. G. Aug. 12.
Perfumes and toilet water. Myrurgia, S. A. 225,914; renewed Mar. 29, 1947. O. G. Aug. 12.
Perfumes and toilet water. Gloria Vanderbilt Corp. 431,954; Aug. 12; Serial No. 506,305; published May 13, 1947.
Perfumes and toilet water. Gloria Vanderbilt Corp. 431,956; Aug. 12; Serial No. 506,310; published May 13, 1947.
Perfumes, astringents, bandoline, etc. French Beauty Products Co., Inc. 225,098; renewed Mar. 8, 1947. O. G. Aug. 12.
Perfumes, cologne, rouge, etc. E. F. Cavada. 431,940; Aug. 12; Serial No. 505,282; published May 13, 1947.
Perfmes, colognes, deodorants, etc. Teen Timer Laboratories Co., Inc. 431,824; Aug. 12; Serial No. 493,152; published Sept. 24, 1946.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 431,862; Aug. 12; Serial No. 499,787; published Oct. 8, 1946.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 431,888; Aug. 12; Serial No. 502,644; published May 6, 1947.
Perfumes, toilet waters, rouge, etc. Haugron Cientifical, S. A. 431,853; Aug. 12; Serial No. 498,768; published May 13, 1947.
Perfumes, toilet waters, rouge, etc. E. Rosens. 431,931; Aug. 12; Serial No. 505,014; published Apr. 29, 1947.
Perfumes, toilet waters, rouge, lipstick, and face creams. R. Lopez. 431,914; Aug. 12; Serial No. 504,115; published May 6, 1947.
Pharmaceutical preparations. J. Claivaz. 431,830; Aug. 12; Serial No. 494,391; published May 13, 1947.
Poison, Animal and insect. Buffalo Specialty Company. 226,073; renewed Mar. 29, 1947. O. G. Aug. 12.
Poultry remedy. L. P. Mayrand. 431,939; Aug. 12; Serial No. 505,271; published May 6, 1947.
Powder and tooth paste, Tooth. Rees and Chapman. Serial No. 493,623; published May 13, 1947.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 431,951; Aug. 12; Serial No. 506,096; published Apr. 22, 1947.
Powder, Face. Martha Lee, Inc. 432,030; Aug. 12.
Powders, face creams, face packs, etc., Face. V. Vivaudou. 227,270; renewed May 3, 1947. O. G. Aug. 12.
Preparation for grooming the hair. Joubert Cie, Inc. 431,906; Aug. 12.
Preparation for preventing the splitting of finger nails. P. M. Griffith. 431,991; Aug. 12.
Preparation for skin diseases, external skin wounds and scratches, etc. Haugron Cientifical, S. A. 431,851; Aug. 12; Serial No. 498,766; published May 6, 1947.
Preparation for the bleaching of furs. Beavermou Company. 431,890; Aug. 12; Serial No. 502,876; published May 13, 1947.
Preparation for the prevention of grave mold as an aid in body preservation. International Minerals & Chimecal Corporation. 431,842; Aug. 12; Serial No. 497,103; published Nov. 12, 1946.
Preparation for the treatment of canine distemper. Mangan & Company Laboratories. 431,949; Aug. 12; Serial No. 505,970; published Apr. 22, 1947.
Preparations and medicines for pains and aches of nervous or organic origin, etc. Bayer Company, Inc. 229,153; renewed June 21, 1947. O. G. Aug. 12.
Rectal suppository. Sharp & Dohme, Incorporated. 431,963; Aug. 12; Serial No. 507,346; published Apr. 22, 1947.
Remedies for diseases of women. Hartland Law, Herbert E. Law. 63,595; re-renewed June 25, 1947. O. G. Aug. 12.
Remedies, Internal. Alonzo O. Bliss Medical Company. 229,534; renewed June 28, 1947. O. G. Aug. 12.
Remedies, Internal. Pinus Medicine Company. 223,804; renewed Feb. 8, 1947. O. G. Aug. 12.
Remedies, Internal. Pinus Medicine Company. 224,094; renewed Feb. 15, 1947. O. G. Aug. 12.
Remedy for rheumatism, goat, neuralgia, etc. F. A. Richter. 62,991; re-renewed June 4, 1947. O. G. Aug. 12.
Resins, solvated synthetic or natural resins, etc., Synthetic. Shoe Covers Corporation. 431,988; Aug. 12.
Rinsing aid similar chemically to a laundry sour. Hood Chemical Co., Inc. 432,004; Aug. 12.
Salve. Moyer Chemical Company. 432,003; Aug. 12.
Shampoo. J. W. Murphy. 431,875; Aug. 12; Serial No. 501,679; published Apr. 29, 1947.
Shampoo, disinfectant and deodorant, etc., Hair. Star Chemical Company. 431,876; Aug. 12; Serial No. 501,781; published Apr. 29, 1947.
Shampoo for hair. Nancy Dale, Limited. 431,850; Aug. 12; Serial No. 498,119; published May 13, 1947.
Shampoo, Insecticidal. H. Shapiro. 431,849; Aug. 12; Serial No. 497,972; published May 6, 1947.
Shampoo, Liquid. Western Meat Company. 224,440; renewed Mar. 1, 1947. O. G. Aug. 12.
Solution adapted for blowing bubbles, Liquid. L. D. Rock. 431,820; Aug. 12; Serial No. 490,700; published Apr. 9, 1946.
Solution, Quaternary ammonium sanitizing. Mathieson Alkali Works. 431,846; Aug. 12; Serial No. 497,616; published Oct. 8, 1947.
Solution which is to be added to water and used on washable garments and fabrics. C. L. Boe. 432,028; Aug. 12.
Sprays, Insecticidal, germicidal, and fungicidal. California Spray-Chemical Company. 224,608; renewed Mar. 1, 1947. O. G. Aug. 12.
Starch. Corn Products Refining Company. 431,922; Aug. 12; Serial No. 504,334; published Apr. 29, 1947.
Starch and blue, perfumery, disinfectant fluids, etc. Newton, Chambers & Company Limited. 431,870; Aug. 12; Serial No. 501,001; published May 6, 1947.
Starch, Powdered laundry. Hubinger Company. 431,942; Aug. 12; Serial No. 505,302; published Apr. 29, 1947.
Substitutes for glycerine. Daigger Corporation. 228,949; renewed June 14, 1947. O. G. Aug. 12.
Sulfamethazine preparations. Lederle Laboratories, Inc. 431,929; Aug. 12; Serial No. 504,911; published Apr. 22, 1947.
Sulphur dioxide. D. Alvos. 431,879; Aug. 12; Serial No. 502,176; published Apr. 22, 1947.
Tablet, Medicinal. Irwin, Neisler & Co. 431,845; Aug. 12; Serial No. 497,313; published Dec. 31, 1946.
Tablets. Nion Corporation. 431,930; Aug. 12; Serial No. 504,993; published Apr. 22, 1947.
Toilet powders and toilet creams, being deodorants, preparations. Norwich Pharmacal Company. 431,807; Aug. 12; Serial No. 478,184; published Apr. 29, 1947.
Tonic having a wine base, General. Garrett & Company. 227,781; renewed May 17, 1947. O. G. Aug. 12.
Tonic preparations. S. B. Leonardi & Co. Inc. 432,054; Aug. 12.
Tonics, Herb. J. Ross. 432,016; Aug. 12.
Toothache drops. W. Z. Wells. 431,894; Aug. 12; Serial No. 503,177; published May 13, 1947.
Tooth paste. M. Rotwitt. 431,819; Aug. 12; Serial No. 490,399; published May 6, 1947.
Trimethylolpropane. Heyden Chemical Corporation. 431,961; Aug. 12; Serial No. 507,056; published Apr. 29, 1947.
Uric-acid solvent. Solurol (Thymic Acid) Company, Limited. 50,798; re-renewed Jan. 15, 1947. O. G. Aug. 12.
Vitamin preparation. Dairy Association Company, Inc. 432,010; Aug. 12.
Vitamin preparation. Enrichment Products Co. 432,023; Aug. 12.

CLASS 9

Safety-matches. Nitedals Taendstikfabrik. 58,540; re-renewed Dec. 18, 1946. O. G. Aug. 12.

CLASS 12

Board and lumber, Composite. MacAndrews & Forbes Company. 229,491; renewed June 28, 1947. O. G. Aug. 12.
Cement, Portland. C. B. R. Cimenteries et Briqueteries Reunies S. A. 224,873; renewed Mar. 8, 1947. O. G. Aug. 12.
Cements. C. B. R. Cimenteries et Briqueteries Reunies S. A. 222,763; renewed Jan. 11, 1947. O. G. Aug. 12.
Cements, Portland. C. B. R. Cimenteries et Briqueteries Reunies S. A. 224,855; renewed Mar. 8, 1947. O. G. Aug. 12.
Furnace linings. Chicago Fire Brick Company. 224,274; renewed Feb. 22, 1947. O. G. Aug. 12.
Mouldings used in window sash and store front construction. Brasco Manufacturing Company. 226,418; renewed Apr. 15, 1947. O. G. Aug. 12.
Ventilators, transoms, doors, etc., Built-in. Ventilouvra Company. 227,075; renewed Apr. 26, 1947. O. G. Aug. 12.

CLASS 13

Aluminum-ware. Aluminum Goods Manufacturing Co. 229,399; renewed June 28, 1947. O. G. Aug. 12.
Pipes and tubes. British American Metals Company, Inc. 228,537; renewed June 7, 1947. O. G. Aug. 12.
Sprinkling systems and parts thereof. A. E. Chisholm. 227,944; renewed May 17, 1947. O. G. Aug. 12.

CLASS 14

Alloy of metals. Manganese Bronze & Brass Co. Ltd. 61,736; re-renewed Apr. 2, 1947. O. G. Aug. 12.
Castings, Steel. Bonney-Floyd Company. 228,456; renewed May 31, 1947. O. G. Aug. 12.
Metals, and metal castings and forgings, etc. Wheelock, Lovejoy & Company, Inc. 229,183; renewed June 21, 1947. O. G. Aug. 12.
Rods and elements for repairing cracked or broken castings, Metallic. L. B. Scott. 431,990; Aug. 12.
Steel castings, Unfinished. Union Steel Casting Company. 222,135; renewed Dec. 21, 1946. O. G. Aug. 12.

CLASS 15

Candles and candle bases, paraffin wax, etc. Standard Oil Company. 223,147; renewed Jan. 18, 1947. O. G. Aug. 12.
Candles and candle bases, paraffin wax, etc. Standard Oil Company. 223,708; renewed Feb. 8, 1947. O. G. Aug. 12.
Gasoline. Vacuum Oil Company. 226,707; renewed Apr. 19, 1947. O. G. Aug. 12.
Oils and greases, Lubricating. United Oil Company. 222,559; renewed Jan. 4, 1947. O. G. Aug. 12.
Oils, greases, and waxes, etc., Lubricating, illuminating, and heating. Vacuum Oil Company. 62,821; re-renewed May 28, 1947. O. G. Aug. 12.
Oils, greases, and waxes of all kinds. Vacuum Oil Company. 225,649; renewed Mar. 22, 1947. O. G. Aug. 12.

CLASS 16

Floor-waxing product. Vestal Chemical Co. 228,375; renewed May 31, 1947. O. G. Aug. 12.
Paint, Semigloss enamel-finish. Wadsworth-Howland Company. 229,066; renewed June 21, 1947. O. G. Aug. 12.
Paints, varnishes, stains, etc. Eagle Paint & Varnish Company. 63,332; re-renewed June 18, 1947. O. G. Aug. 12.
Polishing fluid for floors. Hillyard Chemical Company. 229,264; renewed June 21, 1947. O. G. Aug. 12.
Waxes, coating oils, and greases, Floor and linoleum. Vacuum Oil Company. 62,516; re-renewed May 14, 1947. O. G. Aug. 12.

CLASS 17

Tobacco, cigars, and cigarettes. Maison Pierre Bardou-Job. 63,177; re-renewed June 11, 1947. O. G. Aug. 12.

CLASS 19

Aeroplanes. Globe Aircraft Corporation. 431,941; Aug. 12; Serial No. 505,296; published May 13, 1947.
Bicycles, motor-cycles, tricycles, etc. E. Gentil. 59,474; re-renewed Jan. 8, 1947. O. G. Aug. 12.
Canoes. Link Aviation Devices, Inc. 431,869; Aug. 12; Serial No. 500,587; published Apr. 8, 1947.
Couplers, and coupler parts, top center plates, etc. Latrobe Steel and Coupler Company. 60,535; re-renewed Feb. 12, 1947. O. G. Aug. 12.
Helicopters and structural parts thereof. Bell Aircraft Corporation. 431,964; Aug. 12; Serial No. 507,363; published May 13, 1947.
Valves for hydraulic brake systems, Regulating. Hayes Industries, Inc. 431,909; Aug. 12; Serial No. 483,528; published May 13, 1947.

CLASS 21

Eliminators, battery chargers, amplifiers, Battery. Radio Receptor Company, Inc. 223,035; renewed Jan. 11, 1947. O. G. Aug. 12.
Lamps, electric lanterns, electric searchlights, and electric signs, Electric. Perkins Marine Lamp Corporation. 229,175; renewed June 21, 1947. O. G. Aug. 12.
Molding compounds and mixtures. Bakelite Corporation. 228,714; renewed June 7, 1947. O. G. Aug. 12.
Motors, fans, exhaust blowers, etc., Electrically operated. Apex Electrical Manufacturing Co. 223,212; renewed Jan. 18, 1947. O. G. Aug. 12.
Radio receiving sets and parts thereof and radio loud speakers. Sears, Roebuck and Co. 223,249; renewed Jan. 25, 1947. O. G. Aug. 12.
Radio receiving sets, Complete. Wasmuth-Goodrich Company. 225,976; renewed Mar. 29, 1947. O. G. Aug. 12.
Resistance wire, ribbon, strips, and rods. Driver-Harris Company. 227,851; renewed May 17, 1947. O. G. Aug. 12.

CLASS 22

Game, Card. W. J. Roche. 62,595; re-renewed May 14, 1947. O. G. Aug. 12.

CLASS 23

Cutlery, Base-metal table. International Silver Company. 225,897; renewed Mar. 29, 1947. O. G. Aug. 12.
Experimental and special machinery and fixtures therefor. Peco Manufacturing Company. 229,265; renewed June 21, 1947. O. G. Aug. 12.
Floor waxing, polishing, and scrubbing machines and wax containers. Floorola Corporation. 227,196; renewed May 3, 1947. O. G. Aug. 12.
Knives, forks, scissors, etc. Joseph Allen & Sons Limited. 59,672; re-renewed Jan. 15, 1947. O. G. Aug. 12.
Planters, guano distributors, grain and fertilizers drills, etc., Cotton. Gantt Manufacturing Company. 229,528; renewed June 28, 1947. O. G. Aug. 12.
Sawmill and mining machinery accessories and parts. Prescott Company. 228,847; renewed June 14, 1947. O. G. Aug. 12.
Scissors and shears. Acme Shear Company. 228,561; renewed June 7, 1947. O. G. Aug. 12.
Transmission units, Hydraulic. Oilgear Company. 228,920; renewed June 14, 1947. O. G. Aug. 12.

CLASS 24

Agitators and covers for washing machines and rings for laundry collectors. Bakelite Corporation. 224,206; renewed Feb. 22, 1947. O. G. Aug. 12.

CLASS 25

Knobs, Safe combination. Bakelite Corporation. 223,578; renewed Feb. 8, 1947. O. G. Aug. 12.

CLASS 27

Clocks, Alarm. Sears, Roebuck and Co. 224,019; renewed Feb. 15, 1947. O. G. Aug. 12.
Interval timers. National Pressure Cooker Company. 431,937; Aug. 12; Serial No. 505,118; published May 6, 1947.
Watches. Uris Sales Corp. 431,977; Aug. 12; Serial No. 509,803; published May 6, 1947.

CLASS 28

Buckle sets, saddle and harness buckles and saddle and harness ornaments. H. S. Means Co. 431,972; Aug. 12; Serial No. 508,435; published May 13, 1947.
Flat-ware and hollow-ware, Silverplated. International Silver Company. 431,981; Aug. 12; Serial No. 511,560; published May 13, 1947.
Hollow ware, Silver. Bernard Rice's Sons, Inc. 227,950; renewed May 17, 1947. O. G. Aug. 12.
Jewelry. United States Time Corporation. 431,974; Aug. 12; Serial No. 509,053; published May 13, 1947.
Jewelry for personal wear or adornment. Colonial Mfg. Co., Inc. 431,973; Aug. 12; Serial No. 508,790; published Apr. 15, 1947.
Necklaces, bracelets, finger rings, etc. Joseph H. Meyer Bros. 431,944; Aug. 12; Serial No. 505,438; published Apr. 8, 1947.
Rings and jewelry, Gold finger. Love Nest Ring, Inc. 431,893; Aug. 12; Serial No. 503,166; published May 13, 1947.
Rings, earrings, metal wrist watch bands, etc., Finger. D. D. Zakwin. 431,970; Aug. 12; Serial No. 508,198; published May 6, 1947.

CLASS 29

Brooms and the like. Evergreen Broom Manufacturing Company. 431,978; Aug. 12; Serial No. 510,241; published May 6, 1947.
Mops. Boyle-Midway Inc. 431,980; Aug. 12; Serial No. 510,875; published May 6, 1947.
Puffs, Powder. Maurice Levy Company. 228,970; renewed June 14, 1947. O. G. Aug. 12.
Sponges and sponge brushes, Make-up. Presto Manufacturing Co. 431,983; Aug. 12; Serial No. 515,449; published May 6, 1947.

CLASS 33

Globes for lamps and lanterns. R. E. Dietz Company. 63,423; re-renewed June 18, 1947. O. G. Aug. 12.

CLASS 34

Lanterns and the burners and metal parts thereof, Oil-burning. R. E. Dietz Company. 228,923; renewed June 14, 1947. O. G. Aug. 12.
Oil-burning apparatus. Reif Brothers. 228,355; renewed May 31, 1947. O. G. Aug. 12.
Parts for heating stoves, Finished. Estate Stove Company. 222,882; renewed Jan. 11, 1947. O. G. Aug. 12.
Radiator using oil or gas, Room-heating. Everhot Heater Company. 227,599; renewed May 10, 1947. O. G. Aug. 12.
Ranges, Coal, wood, or gas. Tennessee Stove Works. 228,896; renewed June 14, 1947. O. G. Aug. 12.

CLASS 35

Belting and hose. B. F. Goodrich Company. 221,998; renewed Dec. 21, 1946. O. G. Aug. 12.
Belting, hose, and machinery packing, Rubber. Peerless Rubber Manufacturing Company. 59,108; re-renewed Jan. 1, 1947. O. G. Aug. 12.

Belting, Leather. Baldwin Belting Inc. 432,014; Aug. 12.
Belting, Leather. Cleveland Oak Belting Company. 228,078; renewed May 24, 1947. O. G. Aug. 12.
Belting, transmission and brake lining, Woven. Scandinavia Belting Company. 228,958; renewed June 14, 1947. O. G. Aug. 12.
Belts and belting and transmission disks. Badger Rubber Works. 225,674; renewed Mar. 22, 1947. O. G. Aug. 12.
Belts and belting made wholly or partly of rubber. Badger Rubber Works. 225,664; renewed Mar. 22, 1947. O. G. Aug. 12.
Hose. Eureka Fire Hose Manufacturing Company. 223,421; renewed Feb. 1, 1947. O. G. Aug. 12.
Hose, Hydraulic or fire. Eureka Fire Hose Company. 29,579; re-renewed Feb. 23, 1947. O. G. Aug. 12.
Kits and tire-patching materials, Tire and tube repair. Miller Rubber Company. 223,168; renewed Jan. 18, 1947. O. G. Aug. 12.
Packing, gaskets, and rubber compound. Peerless Rubber Mfg. Co. 29,620; re-renewed Mar. 2, 1947. O. G. Aug. 12.
Packing, Mechanical. Advance Packing & Supply Co. 431,979; Aug. 12; Serial No. 510,558; published May 6, 1947.
Packing, Rawhide. Mabbs Hydraulic Packing Co. 62,405; re-renewed May 7, 1947. O. G. Aug. 12.
Packing, Steam and pressure. I. X. L. Steam Packing Manufacturing Co. 59,105; re-renewed Jan. 1, 1947. O. G. Aug. 12.
Piston ring. Auto-Diesel Piston Ring Company. 432,005; renewed May 3, 1947. O. G. Aug. 12.
Piston rings. Wel-Ever Piston Ring Company. 227,437; Aug. 12.
Piston rings. Wilkening Manufacturing Company. 228,947; renewed June 14, 1947. O. G. Aug. 12.
Tires and inner tubes, Pneumatic. Firestone Tire & Rubber Company. 432,013; Aug. 12.
Tires and inner tubes, tire repair kits, tire reliners, etc., Automobile and tractor pneumatic. Oakes & Company. 431,993; Aug. 12.
Tires and tubes, Pneumatic and cushion. Hood Rubber Company. 223,144; renewed Jan. 18, 1947. O. G. Aug. 12.
Tires and tubes, Vehicle. Sears, Roebuck and Co. 223,184; renewed Jan. 18, 1947. O. G. Aug. 12.
Tires and tubes, Vehicle. Sears, Roebuck and Co. 223,676; renewed Feb. 8, 1947. O. G. Aug. 12.
Tires, Pneumatic automobile. Vanderbilt Tire & Rubber Corp. 431,999; Aug. 12.
Tires, Retreaded or recapped vehicle. L. A. Stephens. 432,034; Aug. 12.
Tires, Rubber. Goodyear Tire & Rubber Company. 62,266; re-renewed Apr. 30, 1947. O. G. Aug. 12.

CLASS 36

Pianos. Richmond Piano Co. 59,499; re-renewed Jan. 8, 1947. O. G. Aug. 12.
Pianos. Starr Piano Company. 60,204; re-renewed Jan. 29, 1947. O. G. Aug. 12.
Violin, violoncello, and viola bridges, etc. Bakelite Corporation. 222,776; renewed Jan. 11, 1947. O. G. Aug. 12.

CLASS 37

Albums, Bound photograph. Acme Visible Records, Inc. 431,986; Aug. 12.
Letterheads. S. L. Unger. 432,038; Aug. 12.
Paper and letterheads, Writing. H. H. Nahm. 432,002; Aug. 12.
Paper and paper-boards. Union Bag & Paper Company. 63,687; re-renewed July 2, 1947. O. G. Aug. 12.
Paper, Blotting. Wrenn Paper Company. 226,850; renewed Apr. 19, 1947. O. G. Aug. 12.
Paper, toilet paper, and wax paper, Wrapping. Taverner & Fricke. 431,969; Aug. 12; Serial No. 507,865; published May 27, 1947.
Paper, Writing and printing. Holyoke Card & Paper Company. 228,535; renewed June 7, 1947. O. G. Aug. 12.
Papers, High-grade. Hampshire Paper Company. 59,475–6; re-renewed Jan. 8, 1947. O. G. Aug. 12.
Pencils, Lead. Eagle Pencil Company. 60,765; re-renewed Feb. 19, 1947. O. G. Aug. 12.
Pens. Spencerian Pen Company. 29,696; re-renewed Mar. 16, 1947. O. G. Aug. 12.
Pens, Fountain. A. Kolber, Inc. 431,877; Aug. 12; Serial No. 502,144; published May 13, 1947.
Pens, Fountain. Reynolds Pen Company. 431,971; Aug. 12; Serial No. 508,311; published May 27, 1947.
Pens, Metallic. Esterbrook Steel Pen Mfg. Co. 63,490; re-renewed June 25, 1947. O. G. Aug. 12.
Pens of all kinds, Writing. Spencerian Pen Company. 224,642; renewed Mar. 1, 1947. O. G. Aug. 12.
Pens of all kinds, Writing. Spencerian Pen Company. 226,282; renewed Apr. 5, 1947. O. G. Aug. 12.
Tissues, Toilet and cleansing. Associated Merchandising Corporation. 431,895; Aug. 12; Serial No. 503,181; published May 13, 1947.
Writing-paper and envelops. Z. & W. M. Crane. 62,589; re-renewed May 14, 1947. O. G. Aug. 12.

CLASS 38

Books, Printed. Charles Scribner's Sons. 431,965; Aug. 12; Serial No. 507,430; published May 13, 1947.
Cartoons. Food Fair Stores, Inc. 431,928; Aug. 12; Serial No. 504,894; published May 6, 1947.
Cartoons. International Feature Service, Inc. 222,175; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. International Feature Service, Inc. 222,183; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. International Feature Service, Inc. 222,206; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. King Features Syndicate, Inc. 222,172–3; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. King Features Corporation, Inc. 222,187; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. King Features Syndicate, Inc. 222,203–4; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. Premier Syndicate, Inc. 222,200; renewed Dec. 28, 1946. O. G. Aug. 12.
Cartoons. J. Strausberg. 431,848; Aug. 12; Serial No. 497,887; published May 13, 1947.
Circulars, pamphlets, booklets, etc. Supreme Council Mystic Order of Veiled Prophets of the Enchanted Realm. 431,841; Aug. 12; Serial No. 496,873; published May 13, 1947.
Greeting cards, social and commercial announcements, place cards, etc. Wetmore, Janes & Sugden Inc. 223,915; renewed Feb. 15, 1947. O. G. Aug. 12.
Magazine. Buhai Publishing Co., Inc. 432,046; Aug. 12.
Magazine. Haire Publishing Company. 432,040; Aug. 12.
Magazine. C. A. Kenny. 432,042; Aug. 12.
Magazine, Monthly. Pope Publishing Corporation. 227,428; renewed May 3, 1947. O. G. Aug. 12.
Magazine, Monthly. Robbins Drycleaning Publications, Inc. 432,026; Aug. 12.
Magazine or publication. Fantasy Comics, Inc. 431,924; Aug. 12; Serial No. 504,347; published May 13, 1947.
Magazine published monthly. Dell Publishing Company, Inc. 228,887; renewed June 14, 1947. O. G. Aug. 12.
Magazine, Trade. Factory Expeditor, Inc. 432,039; Aug. 12.
Magazine, Weekly. American Trade Publishing Co. 432,050; Aug. 12.
Newspaper, Daily. Nowy Swiat Publishing Company Inc. 229,494; renewed June 28, 1947. O. G. Aug. 12.
Periodical. Christian Science Publishing Society. 431,947; Aug. 12; Serial No. 505,686; published May 13, 1947.
Periodical publication. National Institute of Social Relations, Inc. 431,847; Aug. 12; Serial No. 497,809; published May 13, 1947.
Periodical publication. Plastics Catalogue Corporation. 431,992; Aug. 12.
Photograph, Individual. C. W. Beers. 431,891; Aug. 12; Serial No. 503,048; published May 6, 1947.
Pictures. I. B. Prokop. 432,006; Aug. 12.
Prints, snap photo, enlargements and framed photographic prints, Photographic. G. G. Waltz. 431,966; Aug. 12; Serial No. 507,444; published May 6, 1947.
Publication, Bi-monthly. Practical Methods for Industry, Inc. 431,822; Aug. 12; Serial No. 491,586; published May 6, 1947.
Publication issued periodically. Kenfield-Davis Publishing Co. 432,040; Aug. 12.
Publication, Monthly. Burroughs Wellcome & Co. (U. S. A.) Inc. 431,871; Aug. 12; Serial No. 501,045; published May 6, 1947.
Publication, Monthly. Fawcett Publications, Inc. 432,015; Aug. 12.
Publication, Periodical. Fawcett Publications, Inc. 432,025; Aug. 12.
Publication, Periodical. Fawcett Publications, Inc. 432,048; Aug. 12.
Publications, Musical. E. C. Schirmer Music Company. 431,926; Aug. 12; Serial No. 504,636; published May 6, 1947.
Publications, Section of periodical. United States News Publishing Corporation. 432,032; Aug. 12.
Scripts. Louis G. Cowan, Incorporated. 431,950; Aug. 12; Serial No. 506,012; published May 6, 1947.
Scripts, Radio. Crosley Corporation. 431,915–16; Aug. 12; Serial Nos. 504,159–60; published May 6, 1947.
Section in a magazine. Patterson Publishing Company. 431,885; Aug. 12; Serial No. 502,454; published May 6, 1947.
Sections of magazines. McGraw-Hill Publishing Company, Inc. 432,011; Aug. 12.

CLASS 39

Apparel, Girls', teen-age girls', junior misses', and women's. Schneider & Schultz. 432,045; Aug. 12.
Boots and shoes. Endicott-Johnson Company. 63,152; re-renewed June 11, 1947. O. G. Aug. 12.
Boots and shoes. Heywood Boot & Shoe Company. 226,363–4; renewed Apr. 5, 1947. O. G. Aug. 12.
Boots and shoes, Rubber. Hood Rubber Co. 60,194; re-renewed Jan. 29, 1947. O. G. Aug. 12.
Boots and shoes, Rubber. Hood Rubber Co. 60,481; re-renewed Feb. 12, 1947. O. G. Aug. 12.
Boots and shoes, Rubber. Hood Rubber Company. 62,990; re-renewed June 4, 1947. O. G. Aug. 12.

Clothing, Men's and boys'. Woolf Brothers, Inc. 228,464; renewed May 31, 1947. O. G. Aug. 12.
Coats and suits, Ladies' and children's. American Woolen Company. 431,989; Aug. 12.
Hats, Ladies'. Weyman Brothers. 226,396; renewed Apr. 5, 1947. O. G. Aug. 12.
Hosiery. Bear Brand Hosiery Co. 228,504; renewed June 7, 1947. O. G. Aug. 12.
Knitted wear. Dore & Fils. 229,819; renewed July 5, 1947. O. G. Aug. 12.
Petticoats and bloomers. Carson Pirie Scott & Company. 223,561; renewed Feb. 8, 1947. O. G. Aug. 12.
Raincoats for men. Michaels Stern & Co. 223,580; renewed Feb. 8, 1947. O. G. Aug. 12.
Shirts, Men's negligee. Joel Isaacs Shirt Co., Inc. 228,239; renewed May 24, 1947. O. G. Aug. 12.
Shoes. B. Friedman Shoe Co. Inc. 227,355; renewed May 3, 1947. O. G. Aug. 12.
Shoes. United States Shoe Company. 227,680; renewed May 10, 1947. O. G. Aug. 12.
Shoes, slippers, rubbers, etc., Men's and women's. C. A. Manning Shoe Company. 228,760; renewed June 7, 1947. O. G. Aug. 12.
Sleeping-out bags, Wool. Shuler & Benninghofen. 224,366; renewed Feb. 22, 1947. O. G. Aug. 12.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company, Inc. 226,200; renewed Apr. 5, 1947. O. G. Aug. 12.
Suits for men, Light-weight tropical. Michaels Stern & Co. 223,579; renewed Feb. 8, 1947. O. G. Aug. 12.
Undershirts and drawers, Men's, women's, and children's knitted. Robischow & Peckham Company. 61,489; re-renewed Mar. 26, 1947. O. G. Aug. 12.
Underwear, Men's and boys' woven and knitted. Carson Pirie Scott & Company. 225,205; renewed Mar. 15, 1947. O. G. Aug. 12.

CLASS 42

Cotton piece goods. J. L. Stifel & Sons. 229,542; renewed June 28, 1947. O. G. Aug. 12.
Fabrics in the piece, Woven, knitted, netted and textile. American Cellulose & Chemical Manufacturing Company, Ltd. 229,356; renewed June 28, 1947. O. G. Aug. 12.
Handkerchiefs. Carson Pirie Scott & Company. 222,645; renewed Jan. 4, 1947. O. G. Aug. 12.
Piece goods, Cotton and/or rayon. M. Lowenstein & Sons, Inc. 432,051–2; Aug. 12.
Plastic film, Translucent or transparent. Thermoplastic Fabrics Corporation. 432,021; Aug. 12.
Poplin in the piece. Carson Pirie Scott & Company. 225,325; renewed Mar. 15, 1947. O. G. Aug. 12.
Sheetings, shirtings, and drills, Cotton. Henrietta Mills. 63,171; re-renewed June 11, 1947. O. G. Aug. 12.
Woolen piece goods. Forstmann & Huffmann Company. 223,201; renewed Jan. 18, 1947. O. G. Aug. 12.
Woolen piece goods. Forstmann & Huffmann Company. 223,247; renewed Jan. 25, 1947. O. G. Aug. 12.
Woolen piece goods. Forstmann & Huffmann Company. 222,648; renewed Jan. 4, 1947. O. G. Aug. 12.
Woolen piece goods. Forstmann & Huffmann Company. 222,868; renewed Jan. 11, 1947. O. G. Aug. 12.

CLASS 44

Orange-wood sticks and emery boards. French Beauty Products Co., Inc. 224,593; renewed Mar. 1, 1947. O. G. Aug. 12.
Tubes used to extract blood from veins, Vacuum. Kimble Glass Company. 224,076; renewed Feb. 15, 1947. O. G. Aug. 12.

CLASS 45

Beverage, Nonalcoholic, noncereal, maltless. C. L. Bridges. 226,479; renewed Apr. 12, 1947. O. G. Aug. 12.
Beverage, Non-alcoholic, noncereal, maltless. Keen Kola Manufacturing Company. 227,540; renewed May 10, 1947. O. G. Aug. 12.
Mineral water, table-water, and a beverage made from ginger. Manitou Mineral Springs Company. 59,408; re-renewed Jan. 8, 1947. O. G. Aug. 12.
Root beer, ginger ale, carbonated water, etc. Valentin Blatz Brewing Company. 222,259; renewed Dec. 28, 1946. O. G. Aug. 12.

CLASS 46

Biscuit. National Biscuit Company. 63,286; re-renewed June 11, 1947. O. G. Aug. 12.
Biscuit, Animal. F. H. Bennett Biscuit Company. 228,605; renewed June 7, 1947. O. G. Aug. 12.
Biscuit, cake, crackers. National Biscuit Company. 222,482; renewed Jan. 4, 1947. O. G. Aug. 12.
Biscuit, wafers, crackers, etc. National Biscuit Company. 225,997; renewed Mar. 29, 1947. O. G. Aug. 12.
Bread. Jamestown Baking Company, Inc. 222,461; renewed Jan. 4, 1947. O. G. Aug. 12.
Bread. Perfection Biscuit Company. 228,521; renewed June 7, 1947. O. G. Aug. 12.
Broths, coffees, coffee extracts, etc. American Home Foods, Inc. 431,953; Aug. 12; Serial No. 506,288; published May 13, 1947.
Butter, cheese, condensed milk, etc. First National Stores, Inc. 228,540; renewed June 7, 1947. O. G. Aug. 12.
Candy. Clinton Industries, Inc. 432,007; Aug. 12.
Candy and candy bars. Curtiss Candy Company. 220,719; renewed Nov. 16, 1946. O. G. Aug. 12.
Candy, and dried grains as a cattle food. Valentin Blatz Brewing Company. 222,213; renewed Dec. 28, 1946. O. G. Aug. 12.
Canned and frozen dog food. R. F. Hunsicker. 431,917; Aug. 12; Serial No. 504,182; published May 13, 1947.
Canned fish and canned shellfish. Paul's Cannery. 432,041; Aug. 12.
Canned fish, canned shrimp, canned oysters, etc. Wm. H. Stanley, Inc. 229,260; renewed June 21, 1947. O. G. Aug. 12.
Canned fruits. Portland Packing Co. 30,305; re-renewed June 29, 1947. O. G. Aug. 12.
Canned sardines. No. Lubec Mfg. & Canning Co. 61,787; re-renewed Apr. 2, 1947. O. G. Aug. 12.
Canned vegetables. West Bend Canners Inc. 432,009; Aug. 12.
Chili powder. E. B. Millar & Company. 222,621; renewed Jan. 4, 1947. O. G. Aug. 12.
Chocolate, cocoa, and candies. Nidar Chokoladefabrik A/S. 223,868; renewed Feb. 15, 1947. O. G. Aug. 12.
Chocolates, candy, bonbons, etc. Daniel Bassi & Compañia, Sociedad Anónima Comercial E Industrial. 431,997; Aug. 12.
Coffees. American Home Foods, Inc. 431,952; Aug. 12; Serial No. 506,287; published May 6, 1947.
Cookies. Schultz and Burch Biscuit Company. 431,976; Aug. 12; Serial No. 509,473; published May 13, 1947.
Diet for infants. Moores & Ross, Inc. 227,044–7; renewed Apr. 26, 1947. O. G. Aug. 12.
Dressing, Thousand Island. Louis Milani Foods, Inc. 431,962; Aug. 12; Serial No. 507,062; published May 6, 1947.
Edible product. V. M. Clark. 432,024; Aug. 12.
Eggs, Pickled. S. L. Hughes. 431,968; Aug. 12; Serial No. 507,726; published May 13, 1947.
Extracts and essences of meat. Bovril Limited. 63,090; re-renewed June 4, 1947. O. G. Aug. 12.
Fish, fish flesh, and shrimp, etc., Fresh, salted, brined, pickled and canned. General Seafoods Corporation. 226,973; renewed Apr. 26, 1947. O. G. Aug. 12.
Fish, fish flesh, oysters, etc., Fresh, salted, brined, etc. General Seafoods Corporation. 226,413; renewed Apr. 5, 1947. O. G. Aug. 12.
Flavoring for food products. David Michael & Co. 229,361; renewed June 28, 1947. O. G. Aug. 12.
Flour, Cake and pastry. Mauser Mill Company. 228,885; renewed June 14, 1947. O. G. Aug. 12.
Food-flavoring product, Powdered. Sealic, Incorporated. 431,957; Aug. 12; Serial No. 506,350; published May 13, 1947.
Food products. N. Lekas Corporation. 431,998; Aug. 12.
Fruits, Dried. Valley View Packing Company. 432,033; Aug. 12.
Fruits, flavorings, and combinations of nuts, flavorings, and such fruits for use with ice cream, Preserved. Cleveland Fruit Juice Company. 225,896; renewed Mar. 29, 1947. O. G. Aug. 12.
Fruits, Fresh citrous. Charters-Davis Company. 229,250; renewed June 21, 1947. O. G. Aug. 12.
Grapes, fresh plums, fresh peaches, etc., Fresh. B. F. List. 229,081; renewed June 21, 1947. O. G. Aug. 12.
Insecticides, meat-curing preparations and compounds, food colors, etc. B. Heller & Company. 229,125; renewed June 21, 1947. O. G. Aug. 12.
Jam or conserve. Welch Grape Juice Company. 431,967; Aug. 12; Serial No. 507,556; published May 13, 1947.
Macaroni. G. & J. Lo Bue Brothers. 227,067; renewed Apr. 26, 1947. O. G. Aug. 12.
Macaroni. A. Palazzolo. 228,543; renewed June 7, 1947. O. G. Aug. 12.
Macaroni, spaghetti, and egg noodles. Quaker Oats Company. 222,841; renewed Jan. 11, 1947. O. G. Aug. 12.
Macaroni, spaghetti, and egg noodles. Quaker Oats Company. 222,855; renewed Jan. 11, 1947. O. G. Aug. 12.
Mustard; vinegar, Prepared. Plochman & Harrison. 226,268; renewed Apr. 5, 1947. O. G. Aug. 12.
Oats, Prepared. A. & R. Scott, Limited. 224,147; renewed Feb. 22, 1947. O. G. Aug. 12.
Oleomargarine. Ohio Butterine Company. 228,752; renewed June 7, 1947. O. G. Aug. 12.
Olives, preserved fruits, and bottled capers, Bottled. La Manna, Azema & Farnan. 229,617; renewed July 5, 1947. O. G. Aug. 12.
Oysters, Fresh. Olympia Oyster Company, Inc. 432,037; Aug. 12.
Popcorn seasoned with vegetable oils and salt. B. F. Butterfield. 431,873; Aug. 12; Serial No. 501,497; published Jan. 14, 1947.
Pork scraps, sausages, sausage-meat and bacon. R. M. Burnett. 59,808; re-renewed Jan. 15, 1947. O. G. Aug. 12.
Sandwiches, Hamburger. Maid-Rite Products, Inc. 432,027; Aug. 12.
Shortening, Vegetable oil. Interstate Cotton Oil Refining Co. 432,001; Aug. 12.
Soup mixtures. B. H. Karmen. 431,865; Aug. 12; Serial No. 500,223; published May 13, 1947.
Tapioca, egg albumen, and egg yolk. Stein, Hall & Company, Inc. 227,933; renewed May 17, 1947. O. G. Aug. 12.

Teas. E. B. Millar & Company. 60,677; re-renewed Feb. 19, 1947. O. G. Aug. 12.
Wheat-flour. Moseley & Motley Milling Co. 60,108; re-renewed Jan. 29, 1947. O. G. Aug. 12.
Wheat-flour. New Century Milling Company. 63,316; re-renewed June 11, 1947. O. G. Aug. 12.

CLASS 48

Beer, Bottled. Read Brothers, Limited. 60,735; re-renewed Feb. 19, 1947. O. G. Aug. 12.
Malt extract. Val Blatz Brewing Company. 29,568; re-renewed Feb. 9, 1947. O. G. Aug. 12.

CLASS 49

Whisky. Corning Distilling Co. 226,735; renewed Apr. 19, 1947. O. G. Aug. 12.
Whisky. Geo. A. Dickel & Co. 30,156; re-renewed June 8, 1947. O. G. Aug. 12.

CLASS 50

Padding, Felt and floor. Western Felt Works. 224,335; renewed Feb. 22, 1947. O. G. Aug. 12.
Sheets of cork composition, Fabric-faced. Armstrong Cork Company. 228,652; renewed June 7, 1947. O. G. Aug. 12.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Carrier, Robert M., Jr., Aurora, Ill. Conveying and processing apparatus. Re. 22,904; Aug. 12.
Form Fashion, Inc., assignee: *See*—
Sholder, Morris.
Lufkin Rule Company, The, assignee: *See*—
Witchger, Eugene J.
Scheyer, Emanuel, New York, N. Y. Flexible welded structural connection. Re. 22,905; Aug. 12.
Sholder, Morris, assignor to Form Fashion, Inc., Chicago, Ill. Blouse. Re. 22,906; Aug. 12.
Tyrner, Joseph M., New York, N. Y. Electric circuit controller. Re. 22,907; Aug. 12.
Witchger, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Measuring tape. Re. 22,908; Aug. 12.

LIST OF PLANT PATENTEES

Columbia & Okanogan Nursery Company, assignee: *See*—
Heider, Otto H.
Heider, Otto H., Entiat, assignor to Columbia & Okanogan Nursery Company, Wenatchee, Wash. Apricot tree. 751; Aug. 12.

LIST OF DESIGN PATENTEES

Becker, Rodger F., Kalamazoo, Mich. Flashlight. 147,258; Aug. 12.
Borg, George W., Corporation, The, assignee: *See*—
Richardson, Rodney G.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Lip rouge make-up unit. 147,259; Aug. 12.
Coro, Inc., assignee: *See*—
Katz, Adolph.
David, Dorin A., Bakersfield, Calif. Scoring tee. 147,260; Aug. 12.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 147,261; Aug. 12.
Dunn, William D., Linden, N. J. Shoeshine cabinet. 147,262; Aug. 12.
Ethelle, Inc., assignee: *See*—
Thompson, Ethelle.
Flanagan, Tyyne D., Chicago, Ill. Fountain pen or the like with safety guard. 147,263; Aug. 12.
Fleischer, Joseph, New York, N. Y. Finger ring or similar article. 147,264; Aug. 12.
Gardiner, Carl W., Short Hills, assignor to Schnefel Bros. Corporation, Newark, N. J. Container for nail polish or similar article. 147,265; Aug. 12.
Gargano, Frank J., Providence, R. I. Brooch. 147,266; Aug. 12.
Gargano, Frank J., Providence, R. I. Brooch. 147,267; Aug. 12.
Gargano, Frank J., Providence, R. I. Clip. 147,268; Aug. 12.
Graham, John, New York, N. Y. Pin-up lamp. 147,269; Aug. 12.
Jones, Vincent W., Cleveland Heights, Ohio. Cigarette holder. 147,270; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,271; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,272; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,273; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,274; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,275; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,276; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,277; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,278; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,279; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,280; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,281; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,282; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,283; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,284; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,285; Aug. 12
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,286; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,287; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,288; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring. 147,289; Aug. 12.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 147,290; Aug. 12.
Larkin, Elwood T., Buffalo, N. Y. Toothbrush holder. 147,291; Aug. 12.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
McKee, Robert F., Los Angeles, Calif. Combination toothbrush and glass holder. 147,292; Aug. 12.
Montana, Ignatius: *See*—
Reynolds, Harry R., and Montana.
Paden, Frederick T., U. S. Army, Collingswood, N. J. Smoking stand. 147,293; Aug. 12.
Pfeiffer, Arthur E., Worcester, Mass. Slipper. 147,294; Aug. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace. 147,295; Aug. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,296; Aug. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring. 147,297; Aug. 12.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet. 147,298; Aug. 12.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,299; Aug. 12.
Potter, Linn E., Fayetteville, N. Y. Woodworking lathe. 147,300; Aug. 12.
Reynolds, Harry R., and I. Montana, Brooklyn, N. Y. Whirligig toy. 147,301; Aug. 12.
Richardson, Rodney G., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Clock or similar article. 147,302; Aug. 12.
Rosenthal, Doris, Norwalk, Conn. Textile fabric. 147,303; Aug. 12.
Sager, Jacob L., Smithton, Pa. Covered pitcher. 147,304; Aug. 12.
Schnefel Bros. Corporation, assignee: *See*—
Gardiner, Carl W.
Sloan, Albert E., Chicago, Ill. Chest for silverware or the like. 147,305; Aug. 12.
Sloan, Albert E., Chicago, Ill. Chest for silverware or the like. 147,306; Aug. 12.
Smith, Nellie M., assignee: *See*—
Smith, William V.
Smith, William V., assignor of fifty per cent to N. M. Smith, Casper, Wyo. Egg separator. 147,307; Aug. 12.
Steel, John F., assignor to Steel-Walters Corporation, New York, N. Y. Sandal or similar article. 147,308; Aug. 12.
Steel-Walters Corporation, assignor: *See*—
Steel, John F.
Tchang, Te Lou, New York, N. Y. Floor polisher. 147,309; Aug. 12.
Thompson, Ethelle, assignor to Ethelle, Inc., Los Angeles, Calif. Printed fabric. 147,310; Aug. 12.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Veach, Berce L., St. Louis, Mo. Infant's sandal. 147,311; Aug. 12.
Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, Eugene V.: *See*—
Hodgson, Jack E., and Abel.
Addressograph-Multigraph Corporation, assignee: *See*—
Comegys, Courtney L.
Hueber, Carl J.
Hueber, Carl J., and Hampton.
Janke, Edward J.
Nau, Wilmer H.
Schultz, Elmer A.
Aerovox Corporation, assignee: *See*—
Schmitt, Frank R.
Agriculture, United States of America, as represented by Secretary of, assignee: *See*—
Filachione, Edward M., and Fisher.
Lundgren, Harold P.
Aktiengesellschaft Brown, Boveri & Cie., assignee: *See*—
Dutoit, Andre.
Alexander, William, Glasgow, Scotland. Vortex dust separator. 2,425,588; Aug. 12.
Allen, Charles F. H., and J. A. Van Allan, assignors to Eastman Kodak Company, Rochester, N. Y. Aliphatic bis-dioxydiacetonitriles. 2,425,360; Aug. 12.
Allen, Joseph W., Washington, D. C. Voltage regulator for generators. 2,425,296; Aug. 12.
Allied Appliance Co., assignee: *See*—
Lovick, John B.
Aluminum Company of America, assignee: *See*—
Deily, Arthur T.
American Car and Foundry Company, assignee: *See*—
Morey, William E., and Nichols.
American Cyanamid Company, assignee: *See*—
Cook, Elmer W., and Moss.
Davis, Harold S., Lichtenwalter, and Erickson.
Kushner, Samuel, and Brancone.
Light, Donald W.
Paden, Joseph H., and MacLean.
American Optical Company, assignee: *See*—
Ellis, Charles A.
American Tractor Equipment Corporation, assignee: *See*—
Wooldridge, Mack.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Corporation, New York, N. Y. Front feed mechanism for writing machines. 2,425,451; Aug. 12.
Arc Manufacturing Company Limited, assignee: *See*—
Haim, Georg, and Zade.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Implement or tool. 2,425,665; Aug. 12.
Armour and Company, assignee: *See*—
Kuehn, Homer W., and Wheeler.
Arnanz, Laura V. D., Barcelona, Spain. Electrical apparatus for disinfecting casings (intestines), especially catgut. 2,425,422; Aug. 12.
Aro Equipment Corporation, The, assignee: *See*—
Fitch, Clifford E.
Johnson, James P.
Athey Products Corporation, assignee: *See*—
Kuchar, Joseph.
Atkins, Carl E., Evanston, and F. Furedy, assignors, by mesne assignments, to Sun-Kraft, Inc., Chicago, Ill. Lamp circuit. 2,425,297; Aug. 12.
Attridge, Richard F., Revere, and E. J. Blouin, Salem, Mass. Tube-bending mandrel. 2,425,298; Aug. 12.
Atwood, John B.: *See*—
Trevor, Bertram A., and Atwood.
Atwood, John B., and H. O. Peterson, Riverhead, N. Y., assignors to Radio Corporation of America. Pulse communication system. 2,425,315; Aug. 12.
Aubert, Fred B., Grosse Pointe, Mich. Fuel pressure responsive burner control system. 2,425,589; Aug. 12.
Aviation Corporation, The, assignee: *See*—
Davidson, Herman A.
Ayers, George W.: *See*—
Bond, Donald C., and Ayers.
Baars, Ernst S. H., assignor to The Vilter Manufacturing Co., Milwaukee, Wis. Distributor for refrigeration systems. 2,425,452; Aug. 12.
Baker, Eugene G.: *See*—
Hill, Arthur M., Miller, and Baker.
Balcrank, Incorporated, assignee: *See*—
Clapp, Kenneth S.
Ball, Charles F.: *See*—
Hair, Richard T., and Ball.
Ballard, L. O., assignee, et al.: *See*—
Fees, John N.
Ballou, B. A., & Co., Incorporated, assignee: *See*—
Ballou, Frederick A., Jr.
Ballou, Frederick A., Jr., Providence, R. I., assignor to B. A. Ballou & Co., Incorporated. Making solder filled jewelry finding. 2,425,299; Aug. 12.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Barkinen, Kenneth W.: *See*—
Drissner, Alfred E., and Barkinen.
Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Process of polymerization. 2,425,666; Aug. 12.
Barnes, Charles H., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firing mechanism for firearms. 2,425,412; Aug. 12.
Bartlett Hayward Division: *See*—
Landgraf, George F.
Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Nondiffusing couplers for color photography. 2,425,503; Aug. 12.
Bavosi, Reno R., Milford, Mass. Grinding wheel dressing tool. 2,425,453; Aug. 12.
Belchetz, Arnold, Larchmont, N. Y., assignor to Stauffer Chemical Company. Manufacture of silicon tetrachloride and carbon disulphide. 2,425,504; Aug. 12.
Bell, Clarence D.: *See*—
Weber, Arthur G., and Bell.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Mueller, George E.
Ring, Douglas H.
Rippere, Robert O.
Bellamy, Gervas E., assignee: *See*—
Bidwell, George H.
Bendix Aviation Corporation, assignee: *See*—
Konet, Henry.
Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Two-level refrigerator. 2,425,505; Aug. 12.
Berry, Fred M., Kansas City, and W. R. Lewis, Independence, Mo. Electronic keying circuit. 2,425,667; Aug. 12.
Bethea, Sam R., Baytown, Tex., assignor to Standard Oil Development Company. Production of premium aviation fuel components. 2,425,506; Aug. 12.
Bidwell, George H., Kansas City, assignor of one-half to G. E. Bellamy, Bethel, Kans. Electric fishing float. 2,425,590; Aug. 12.
Birch, Thomas H., Wauwatosa, Wis. Initial quick charging valve for fluid pressure brakes. 2,425,591; Aug. 12.
Bishop, Richard B.: *See*—
Denton, William I., Bishop, Nygaard, and Noland.
Black, Mike, assignor to H. H. Nieberding, Cincinnati, Ohio. Milk stool. 2,425,413; Aug. 12.
Blair, Alexander: *See*—
Pinder, Joseph W., and Blair.
Blakely, Dudley M., Bloomfield Hills, Mich. Manufacturing boats. 2,425,507; Aug. 12.
Blinkley Mining Co., assignee, et al.: *See*—
Hair, Richard T., and Ball.
Bloch, Alfred, Wembley, England, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Tracking tunable system. 2,425,454; Aug. 12.
Bloch, Julius, San Francisco, Calif., assignor to Brooks Manufacturing Corporation. Gun-rod kit. 2,425,455; Aug. 12.
Blouin, Ernest J.: *See*—
Attridge, Richard R., and Blouin.
Bock, Morris: *See*—
Haseltine, Nathaniel G., and Bock.
Bolesky, John D., and L. W. Buell, assignors to Metals & Controls Corporation, Attleboro, Mass. Motor starting and protective apparatus. 2,425,668; Aug. 12.
Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Regeneration of spent caustic solutions for treating gasoline. 2,425,414; Aug. 12.
Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Removal of filter cake from earth bores. 2,425,456; Aug. 12.
Bond, Donald C., Northbrook, and G. W. Ayers, assignors to The Pure Oil Company, Chicago, Ill. Acidizing earth bores. 2,425,415; Aug. 12.
Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Preparation of isoparaffins. 2,425,416; Aug. 12.
Booth, Jack J., Dallas, Tex. Dry air cooler. 2,425,417; Aug. 12.
Borg, George W., Corporation, assignee: *See*—
Gibbs, Thomas B.
Bowe, George R., Jr., assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Suction method of gathering molten glass. 2,425,592; Aug. 12.
Braddon, Frederick D., Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc. Gyroscopic horizon. 2,425,300; Aug. 12.

Brancone, Louis: *See*—
Kushner, Samuel, and Brancone.

Brandt, Henry, assignee, et al.: *See*—
Fees, John N.

Brauer Brothers Shoe Company, assignee: *See*—
Wagner, Frederick P.

Breedlove, Bernard H., San Mateo, Calif. Electromagnetically operated pendulum type telegraph key. 2,425,457; Aug. 12.

Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Magnetic couple for flowmeters or the like. 2,425,691; Aug. 12.

Brian, William S., Owensboro, Ky., assignor to General Electric Company. Electric discharge device and electrode assembly therefor. 2,425,593; Aug. 12.

British Celanese Limited, assignee: *See*—
Oxley, Horace F., Thomas, and Mills.
Sharphouse, John H., and Downing.

Brock, Raymond B., assignor to Townson & Mercer Limited, Croydon, England. Condenser. 2,425,669; Aug. 12.

Brooks Manufacturing Corporation, assignee: *See*—
Bloch, Julius.

Brown, Raymond W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic testing apparatus. 2,425,361; Aug. 12.

Brown, William J., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signal microphone. 2,425,594; Aug. 12.

Browner, George R., Lynchburg, Va., assignor to The Mead Corporation, Chillicothe, Ohio. Packaging and forming the same. 2,425,301; Aug. 12.

Bruner, Walter M.: *See*—
Loder, Donald J., and Bruner.

Bryans, Harvey M.: *See*—
Palmer, Kendrick, Kugler, and Bryans.

Buck, William H.: *See*—
Musselman, Henry E., and Buck.

Budd Company, The, assignee: *See*—
Watter, Michael.

Buell, Lewis W.: *See*—
Bolesky, John D., and Buell.

Buell, Lewis W., Rehoboth, assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical terminal clip. 2,425,670; Aug. 12.

Bunyan, Paul, Bait Company, The, assignee: *See*—
Larson, Karl R.

Burdett, Philip H., Bridgeport, and J. H. Hodgson, Westport, Conn., assignors to Remington Arms Company, Inc. Ammunition. 2,425,418; Aug. 12.

Butler, Howard, Walsall, England. Supporting means for the moving elements of electrical indicating instruments. 2,425,595; Aug. 12.

Calhoun, Curtis L., Shreveport, La. Safety adjustable pipe stabbing board. 2,425,302; Aug. 12.

Cannon, Reginald: *See*—
Ware, Richard N., Jr., and Cannon.

Carnes, Albert R., Chilton, Tex. Blast duster. 2,425,419; Aug. 12.

Carter, James F., Alice, Tex. Milk cooler. 2,425,596; Aug. 12.

Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system for radio drift indication. 2,425,303; Aug. 12.

Cathodeon Limited, assignee: *See*—
Liebmann, Gerhard.

Chain Belt Company, assignee: *See*—
Fleischmann, George A.

Chandler, James D., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and method of making the same. 2,425,420; Aug. 12.

Charroin, Arthur B., assignee: *See*—
Charroin, Frank B.

Charroin, Frank B., Bellingham, Wash., assignor to A. B. Charroin, San Diego, Calif. Chimney cap. 2,425,458; Aug. 12.

Cherry, George L., Western Springs, and C. C. Veale, Wheaton, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Unloading apparatus. 2,425,362; Aug. 12.

Chicago Mill and Lumber Company, assignee: *See*—
Ware, Richard N., Jr., and Cannon.

Chilton, Thomas H., and C. E. Lapple, Wilmington, Del., assignors to the United States Government, as represented by the Secretary of the Navy. Dust separator, especially for carburetor air intake ducts. 2,425,508; Aug. 12.

Church, John W., Mount Lebanon, assignor to Falk & Company, Carnegie, Pa. Method of sulphuration. 2,425,597; Aug. 12.

Clapp, Kenneth S., assignor to Balcrank Incorporated, Cincinnati, Ohio. Coupler. 2,425,602; Aug. 12.

Clark, Gilbert R.: *See*—
Hallborg, Henry E., and Clark.

Clark, Robert H.: *See*—
Wilson, Harry C.

Cleveland Formgrader Company, The, assignee: *See*—
Tullis, Jasper G.

Clifford, Albert M., and J. R. Long, Stow, assignors to Wingfoot Corporation, Akron, Ohio. Chlorination. 2,425,509; Aug. 12.

Clum, Henry W., Upper Darby, assignor to Philco Corporation, Philadelphia, Pa. Steam electric iron. 2,425,598; Aug. 12.

Cohn, David, Brooklyn, N. Y., assignor to Margon Corporation, Newark, N. J. Doll eye. 2,425,510; Aug. 12.

Colley, Russell S.: *See*—
Dasher, Paul J., Crawford, and Colley.

Combs, Edward E., Long Branch, N. J. Spherical coil for variometers. 2,425,304; Aug. 12.

Comegys, Courtney L., University Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,425,305; Aug. 12.

Conklin, Robert M., West Newbury, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Toroidal coil winding machine. 2,425,511; Aug. 12.

Conner, Jack S., Los Angeles, Calif. Retractile wing and landing gear. 2,425,306; Aug. 12.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Livers, Carlos B.

Continental Can Company, Inc., assignee: *See*—
Fink, Harry A.
Hodgson, Jack E., and Abel.
Pearson, Paul E.

Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of aminopropionitriles. 2,425,603; Aug. 12.

Cornelius, Richard T., Minneapolis, Minn. Single-phase motor starter circuit control. 2,425,459; Aug. 12.

Cosby, James R.: *See*—
Nelson, Dale H., and Cosby.

Cotchett, Louis M.: *See*—
Thoma, Meinard F., and Cotchett.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Flexible, rubber-like jacket for liquid cooling of glass tubes. 2,425,599; Aug. 12.

Coykendall, John C., Bridgeport, Conn., assignor to General Electric Company. Pulse relay testing system. 2,425,600; Aug. 12.

Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Procedure for fixing nongelatin emulsions and improved nongelatin emulsion fixing baths. 2,425,363; Aug. 12.

Craig, W. E.: *See*—
Hester, William F., and Craig.

Crandall, George S., Woodbury, and C. H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of polymerizing. 2,425,671; Aug. 12.

Crawford, Richard A.: *See*—
Dasher, Paul J., Crawford, and Colley.

Crulkshank, Douglas W., assignee: *See*—
Hazen, James D.

Crumrine, Kenneth C., Bellaire, Tex., assignor to The Texas Company, New York, N. Y. Measurement of thickness. 2,425,512; Aug. 12.

Cuneo Press, Inc., The, assignee: *See*—
Stewart, John W.

Curtiss-Wright Corporation, assignee: *See*—
Volk, Edward W.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W.
Kuhn, Clarence W., and Rosing.

Czajcinski, Agnes R., and H. R. Sparks, St. Louis, Mo. Shampooing apparatus. 2,425,513; Aug. 12.

Daniels, Gordon E., Nashville, Tenn. Scraping apparatus. 2,425,601; Aug. 12.

Dasher, Paul J., Stow, R. A. Crawford, Akron, and R. S. Colley, Kent, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Self-sealing fuel tank. 2,425,514; Aug. 12.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway draft spring and friction shock absorbing mechanism. 2,425,364; Aug. 12.

Davidson, Herman A., Detroit, Mich., assignor to The Aviation Corporation, New York, N. Y. Counterbalanced door structure. 2,425,365; Aug. 12.

Davis, Ernest W., River Forest, Ill. Lubricating apparatus. 2,425,515; Aug. 12.

Davis, Harold S., Greenwich, M. Lichtenwalter, Old Greenwich, and J. G. Erickson, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Sulfatopropionamid and preparation of acrylic acid. 2,425,604; Aug. 12.

Davis, Orris L.: *See*—
Nixon, Alan C., and Davis.

Davis, Willa H., New York, N. Y., assignor to M. B. Lane, Jr., Atlanta, Ga. Overall type garment. 2,425,460; Aug. 12.

De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Pointer return device. 2,425,366; Aug. 12.

Deily, Arthur T., assignor to Aluminum Company of America, Pittsburgh, Pa. Automatic grab. 2,425,421; Aug. 12.

Denton, William I., Woodbury, R. B. Bishop, Haddonfield, and E. M. Nygaard, Woodbury, N. J., and T. T. Noland, Richmond, Ky., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of polynitroparaffins. 2,425,367; Aug. 12.

Desch, Joseph R., E. V. Gulden, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Communication system. 2,425,307; Aug. 12.

De Witt, Elvin D., San Juan Bautista, Calif. Caster wheel assembly for tractors. 2,425,516; Aug. 12.

Dicke, Oscar H.: *See*—
Scheg, Marcian A., and Dicke.

Dictaphone Corporation, assignee: *See*—
Norton, Leland D.

Doermann, Albert J., Chicago, Ill., assignor to Titan Abrasives Company. Abrasive disk unit. 2,425,368; Aug. 12.

Dollar, Harry C., Mebane, N. C. Hobbyhorse. 2,425,517; Aug. 12.

Dominion Magnesium Limited, assignee: *See*—
Tetu, Douglas A.

Donaldson, Donald D., Marshfield, Oreg. Pump. 2,425,423; Aug. 12.

Dooley, Robert H.: *See*—
Fontenot, Remie E., and Dooley.

Dorr Company, The, assignee: *See*—
McKay, James B.

Doty, Charles R., Yonkers, assignor to International Business Machine Corporation, New York, N. Y. Ciphering apparatus. 2,425,518; Aug. 12.

Dow Chemical Company, The, assignee: *See*—
Pelton, Earl L., and Holzschuh.

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse repeater system. 2,425,316; Aug. 12.

Downing, John: *See*—
Sharphouse, John H., and Downing.

Drescher, Ernest W., Manheim Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Cantilever support for gimbal carried instruments. 2,425,602; Aug. 12.

Driessner, Alfred E., and K. W. Barkinen, assignors to The National Acme Company, Cleveland, Ohio. Single spindle automatic machine. 2,425,308; Aug. 12.

Duncan, George R., Washington, Mo. Milk cooler. 2,425,519; Aug. 12.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Fassnacht, Hartwell H., and Woodbury.
Gresham, William F.
Hinegardner, Wilbie S., and Scott.
Hinegardner, Wilbie S., and Walker.
Joyce, Robert M., Jr.
Larson, Alfred T.
Loder, Donald J.
Loder, Donald J., and Bruner.
Peterson, Merlin D.
Schroeder, Herman E.
Weber, Arthur G., and Bell.

Duramold Aircraft Corporation, assignee: *See*—
Young, John.

Durkee, Clarence L.: *See*—
Messing, Hjalmar S., and Durkee.

Dutoit, André, Le Locle, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electric abrasive projector. 2,425,520; Aug. 12.

Dye, Harry M., and R. B. Maddock, assignors to Pako Corporation, Minneapolis, Minn. Film hanger. 2,425,603; Aug. 12.

Eastman Kodak Company, assignee: *See*—
Allen, Charles, F. H., and Van Allan.
Crabtree, John I., and Eaton.
Palmer, Kendrick, Kugler, and Bryans.
Schade, Willy.
Sun, Kuan-han.

Eaton, George T.: *See*—
Crabtree, John I., and Eaton.

Eckhoff, Herman, assignor of one-half to H. Jacobs, Cedarhurst, N. Y. Handle for cook pots. 2,425,604; Aug. 12.

Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.

Edison, Thomas A., Inc., assignee: *See*—
Hornbostel, John.

Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Selsyn controlled electric motor system. 2,425,605; Aug. 12.

Edwards, Martin A., Scotia, N. Y., assignor to General Electric Company. Electric valve control circuit. 2,425,606; Aug. 12.

Edwards, Martin A., Scotia, and H. M. Ogle, Schenectady, N. Y., assignors to General Electric Company. Control system for aircraft turbosuperchargers. 2,425,607; Aug. 12.

Elberg, Ernest, assignor to B. F. Mead, Warren, Pa. Trailer coupling. 2,425,521; Aug. 12.

Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Head-supported binocular magnifier. 2,425,522; Aug. 12.

Ellis, Delbert: *See*—
Schaelchlin, Walter, and Ellis.

Elmer, George G., Long Island, N. Y. Ray-emission means. 2,425,672; Aug. 12.

Ennis, Clyde E., Danville, Va. Releasable glider tow cable coupling lock. 2,425,309; Aug. 12.

Erickson, John G.: *See*—
Davis, Harold S., Lichtenwalter, and Erickson.

Falk & Company, assignee: *See*—
Church, John W.

Fassnacht, Hartwell H., Wenonah, N. J., and C. A. Woodbury, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Explosive. 2,425,310; Aug. 12.

Fauley, Gordon B., U. S. Navy, and A. C. Ivy, Chicago, Ill. Composite cream which, when applied to the skin, forms a protective coating against flash-burns. 2,425,311; Aug. 12.

Fees, John N., Spokane, assignor to H. Brandt, Palouse, and L. O. Ballard, Spokane, Wash. Loader. 2,425,695; Aug. 12.

Feld, Louis, Los Angeles, Calif. Flexible stitchless billfold. 2,425,461; Aug. 12.

Ferguson, Robert O., assignor of one-half to W. J. Tilley, Bristol, Tenn. Brassière. 2,425,673; Aug. 12.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Plug coupling apparatus. 2,425,608; Aug. 12.

Filachione, Edward M., Philadelphia, and C. H. Fisher, Abington, assignors to United States of America, as represented by Secretary of Agriculture. Phenyl and tolyl alpha-acetoxypropionate and their preparation. 2,425,523; Aug. 12.

Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Sheet metal container with vent opening. 2,425,609; Aug. 12.

Finley, Hugh P., Berlin, N. J., assignor to Owens-Illinois Glass Company. Mold rack. 2,425,610; Aug. 12.

Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.

Fisher, Charles H.: *See*—
Filachione, Edward M., and Fisher.

Fitch, Clifford E., assignor to The Aro Equipment Corporation, Bryan, Ohio. Impact wrench. 2,425,427; Aug. 12.

Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Chute actuating mechanism for concrete mixers. 2,425,674; Aug. 12.

Fleming, William E., Cedar Rapids, Iowa. Device for sharpening cutlery. 2,425,369; Aug. 12.

Folland, Donald F.: *See*—
Jenks, Frederic A., and Folland.

Fontenot, Remie E., and R. H. Dooley, assignors of one-third to A. P. Steckler, Ville Platte, La. Mud mixer. 2,425,524; Aug. 12.

Fowle, Edward F.: *See*—
Pruitt, Rodman C., Fowle, and Iglehart.

Franklin, Leslie U., Port Arthur, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Alkylation of hydrocarbons. 2,425,462; Aug. 12.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, New York, N. Y. Strand tensioning apparatus. 2,425,525; Aug. 12.

Friedman, Samuel, Brooklyn, N. Y. Oil remover or wiper. 2,425,526; Aug. 12.

Frost, Frank E., Chicago, and E. A. Pavlis, Berwyn, Ill. Plastic door knob. 2,425,611; Aug. 12.

Fulton Sylphon Company, The, assignee: *See*—
Puster, Louis M.

Furedy, Frank: *See*—
Atkins, Carl E., and Furedy.

Gambler, Charles R., Houston, Pa. Sanitary garbage can. 2,425,612; Aug. 12.

Gardner-Richardson Company, The, assignee: *See*—
Ringler, William A.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Catalytic conversion of hydrocarbons. 2,425,463; Aug. 12.

Gaudino, Orlando A., Butler, Pa. Disappearing hanger hook. 2,425,527; Aug. 12.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Bavley, Abraham.
Schaefer, Arthur E.

General Electric Company, assignee: *See*—
Brian, William S.
Coykendall, John C.
Edwards, Martin A.
Edwards, Martin A., and Ogle.
Kronmiller, Charles W.
Lindemann, Charles A.

General Foods Corporation, assignee: *See*—
Le Vangie, Benjamin M.

General Luminescent Corporation, assignee: *See*—
Hultgren, Rudolph C.

General Railway Signal Company, assignee: *See*—
Field, Oscar S.
Rees, Frank X.
Scheg, Marcian A., and Dicke.

George, Seth C., Los Angeles, Calif. Lock bolt. 2,425,464; Aug. 12.

George, Stuart H., assignee, et al.: *See*—
Lefebre, Edward A.

Gibbs, Thomas B., Delavan, Wis., assignor, by mesne assignments, to George W. Borg Corporation, Chicago, Ill. Timing apparatus. 2,425,613; Aug. 12.

Giberson, Frank, South Lyons, Mich. Drop-leaf table. 2,425,370; Aug. 12.

Gillette Safety Razor Company, assignee: *See*— Muros, Joseph.

Girdler Corporation, The, assignee: *See*— Zottu, Paul D.

Glantz, Wayne: *See*— Lewis, Aubrey W., and Glantz.

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Controlled carrier amplitude communication system. 2,425,614; Aug. 12.

Goldblatt, Joseph, New York, N. Y. Link bracelet. 2,425,465; Aug. 12.

Goodrich, B. F., Company, The, assignee: *See*— Dasher, Paul J., Crawford, and Colley.

Goss Printing Press Company, The, assignee: *See*— Harless, Charles A.

Gower, Thomas C., Greenville, S. C. Motor control system. 2,425,312; Aug. 12.

Graff, Benjamin P., assignor to C. R. Nalle, Philadelphia, Pa. Caster. 2,425,675; Aug. 12.

Graffenberger, Fredrick, Milwaukee, Wis. Ash tray. 2,425,428; Aug. 12.

Grand Rapids Hardware Company, assignee: *See*— Viehweger, August.

Gray-Mills Corporation, assignee: *See*— Morse, Normand W.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Apparatus and process for improving separation of clarified liquid from a slurry by subdividing the slurry at the separation interface into a plurality of shallow streams. 2,425,371; Aug. 12.

Green, Walter H., Batavia, assignor to Infilco Incorporated, Chicago, Ill. Apparatus and process for improving separation of clarified liquid from a slurry by maintaining a slurry circulation including a flow of slurry adjacent the separation interface. 2,425,372; Aug. 12.

Gregory, Paul N., Nampa, Idaho. Bed screen. 2,425,466; Aug. 12.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tertiary alkoxy acetonitriles. 2,425,615; Aug. 12.

Gulden, Ernest V.: *See*— Desch, Joseph R., Gulden, and Mumma.

Gulf Oil Corporation, assignee: *See*— Franklin, Leslie U.

Haim, Georg, and H. P. Zade, assignors to Arc Manufacturing Company Limited, London, England. Terminal joint for electric cable with plastic sheath. 2,425,528; Aug. 12.

Hair, Charles E., assignee, et al: *See*— Hair, Richard T., and Ball.

Hair, Charles E., Benton, Ill. Coal-mining machine. 2,425,467; Aug. 12.

Hair, Richard T., and C. F. Ball, Franklin, Pa., assignors to R. T. and C. E. Hair, and Binkley Mining Co. of Indiana, Chicago, Ill. Coal-mining machine. 2,425,468; Aug. 12.

Haley, Frank L.: *See*— Herrmann, Dorothy, and Haley.

Hallborg, Henry E., Upper Montclair, N. J., and G. R. Clark, Richmond, N. Y., assignors to Radio Corporation of America. Facsimile synchronizing system. 2,425,616; Aug. 12.

Hamilton Watch Company, assignee: *See*— Drescher, Ernest W.

Hammerstein, Arthur, Palatine, Ill. Dispensing device. 2,425,313; Aug. 12.

Hampton, William J.: *See*— Hueber, Carl J., and Hampton.

Hanrahan, Emery M., Kenosha, and W. A. Mertins, Racine, Wis. Polishing machine for tableware. 2,425,469; Aug. 12.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Pulse communication system. 2,425,314; Aug. 12.

Hansen, Louis E., Toronto, Ontario, Canada. Figure toy. 2,425,429; Aug. 12.

Harless, Charles A., Oak Park, assignor to the Goss Printing Press Company, Chicago, Ill. Inking mechanism for printing presses. 2,425,529; Aug. 12.

Harris, Herbert, Jr., Cedarhurst, N. Y., assignor to Sperry Gyroscope Company, Inc. Prediction apparatus. 2,425,317; Aug. 12.

Harris Products Company, assignee: *See*— Storch, Harold A.

Harris-Seybold Company, assignee: *See*— Kaddeland, Christen R.
Royer, Arthur G.

Hart, Kenneth V., Cleveland, Ohio. Welded joint. 2,425,470; Aug. 12.

Harvill, Edward, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Insecticide. 2,425,530; Aug. 12.

Haseltine, Nathaniel G., and M. Bock, Dallas, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Method of detecting leakage in oil wells. 2,425,531; Aug. 12.

Hayes, Thomas E., Washington, D. C. Paper money sorting machine. 2,425,318; Aug. 12.

Hazeltine Research, Inc., assignee: *See*— Bloch, Alfred.
Wheeler, Harold A.

Hazen, James D., assignor to D. W. Cruikshank, Portland, Oreg. Diaper. 2,425,617; Aug. 12.

Heaton, Nathan C., and S. A. Sarnecki, assignors to Montgomery Ward & Co., Incorporated, Chicago, Ill. Bundling machine. 2,425,430; Aug. 12.

Helgren, George F., Mound, Minn. Animated toy. 2,425,471; Aug. 12.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Removing inorganic impurities from mineral oils, preparatory to catalytic cracking. 2,425,532; Aug. 12.

Hering, Donald, Long Beach, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Tool orienting method and apparatus. 2,425,319; Aug. 12.

Herrmann, Dorothy, assignee, et al.: *See*— Herrmann, Dorothy.

Herrmann, Dorothy, and F. L. Haley, New York; assignors of one-half to said D. Herrmann, and one-half to E. Herrmann, Great Neck, N. Y. Epilator. 2,425,696; Aug. 12.

Herrmann, Ernest, assignee, et al.: *See*— Herrmann, Dorothy, and Haley.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Device for measuring wall thickness. 2,425,533; Aug. 12.

Hester, William F., Drexel Hill, and W. E. Craig, Philadelphia, assignors to Rohm & Haas Company, Philadelphia, Pa. P-nitrophenyl dichloroisobutyl ether. 2,425,534; Aug. 12.

Hibshman, Henry J., Plainfield, N. J., assignor to Standard Oil Development Company. Separation of normal paraffins from isoparaffins by means of activated cocoanut charcoal. 2,425,535; Aug. 12.

Hill, Arthur M., E. J. Miller, and E. G. Baker, assignors to Stanolind Pipe Line Company, Tulsa, Okla. Method and apparatus for salvaging pipe lines. 2,425,373; Aug. 12.

Hill, C. V., & Company, Inc., assignee: *See*— Hoffman, Cyrus F.
Morris, Harry A.

Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Cleaning and pickling of metals. 2,425,320; Aug. 12.

Hilliard Corporation, The, assignee: *See*— La Brecque, Theodore A.

Hindle, Thomas, Witton, Blackburn, England. Hydraulic shedding means. 2,425,676; Aug. 12.

Hinegardner, Wilbie S., Niagara Falls, and N. D. Scott, Sanborn, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicidal compositions. 2,425,677; Aug. 12.

Hinegardner, Wilbie S., Niagara Falls, and J. F. Walker, Lewiston, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fungicidal compositions. 2,425,678; Aug. 12.

Hodgson, Jack E., and E. V. Abel, Memphis, Tenn., assignors to Continental Can Company, Inc., New York, N. Y. Container for explosives. 2,425,472; Aug. 12.

Hodgson, Joseph H.: *See*— Burdett, Philip H., and Hodgson.

Hofeldt, George J., Riverside, and C. W. Lofgren, Oak Park, Ill., assignors to Sanford Ink Company. Shipping and display box. 2,425,536; Aug. 12.

Hoffman, Cyrus F., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated display case. 2,425,473; Aug. 12.

Holzschuh, Andrew A.: *See*— Pelton, Earl L., and Holzschuh.

Horeczy, Joseph T.: *See*— Wadley, Edward F., and Horeczy.

Hornbostel, John, Glen Ridge, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Calibration of radiosondes. 2,425,537; Aug. 12.

Horton, John W., East Orange, N. J. Ignition testing device. 2,425,321; Aug. 12.

Hotpoint Inc., assignee: *See*— Kempton, Leslie A.

Howard Industries, Inc., assignee: *See*— Lawton, Maxwell, and Rosenberg.

Hueber, Carl J., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plate blank and carrier therefor. 2,425,322; Aug. 12.

Hueber, Carl J., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plate and carrier therefor. 2,425,323; Aug. 12.

Hueber, Carl J., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Retaining printing plates on carriers. 2,425,324; Aug. 12.

Hueber, Carl J., Euclid, and W. J. Hampton, South Euclid, assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plate and carrier therefor. 2,425,325; Aug. 12.

Hultgren, Rudolph C., assignor to General Luminescent Corporation, Chicago, Ill. Low-temperature luminescent lamp. 2,425,697; Aug. 12.

Hunter, James H., and A. H. Nathan, assignors to The Upjohn Company, Kalamazoo, Mich. 2-(p-aminobenzenesulfonamido)-4-hydroxy-5,6,7,8-tetra-hydroquinazoline. 2,425,326; Aug. 12.

Hussey, Vinton A., Augusta, Maine. Fountain shaving brush with hand-feed valve. 2,425,474; Aug. 12.

Iglehart, Richard S.: *See*— Pruitt, Rodman C., Fowle, and Iglehart.

Imperial Chemical Industries Limited, assignee: *See*— McCreath, David.
Rose, Francis L.

Independent Grinding Wheel Company, assignee: *See*— Wilson, Cecil E.

Infilco Incorporated, assignee: *See*— Green, Walter H.

International Business Machines Corporation, assignee: *See*— Doty, Charles R.
Luhn, Hans P.

Irwin, William T.: *See*— Lade, Frederick L., and Irwin.

Isaacson, Carl A., St. Paul, Minn. Garment hanger. 2,425,475; Aug. 12.

Ivy, Andrew C.: *See*— Brown, Fauley G., and Ivy.

Jackson, Donald, assignor to Pye Limited, Cambridge, England. Electric coupling. 2,425,679; Aug. 12.

Jacobs, Harry, assignee: *See*— Eckhoff, Herman.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,425,327; Aug. 12.

Jenks, Frederic A., Rockville Centre, and D. F. Folland, East Hempstead, N. Y. Switching and modulation system. 2,425,328; Aug. 12.

Johns-Manville Corporation, assignee: *See*— McDermott, Paul F.

Johnson, Chester W., Bridgewater, Mass. Producing sleep by creating the illusion of a winking eye. 2,425,538; Aug. 12.

Johnson, James P., Shaker Heights, Ohio, assignor to The Aro Equipment Corporation. Coupling. 2,425,539; Aug. 12.

Jones, Theodore C., Louisville, Ky. Electrolytic water purifier. 2,425,424; Aug. 12.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-loading mechanism. 2,425,425; Aug. 12.

Jorgenson, John P., Wilmette, assignor to Kling Bros. Engineering Works, Chicago, Ill. Garment unloading device. 2,425,618; Aug. 12.

Joy, Joseph F., Claremont, N. H. Gun positioning system. 2,425,329; Aug. 12.

Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhalogeno aliphatic nitriles. 2,425,426; Aug. 12.

Juergens, Carl H., Milwaukee, Wis. Building wall structure. 2,425,619; Aug. 12.

Kaddeland, Christen R., Shelton, Conn., assignor to Harris-Seybold Company. Printing press. 2,425,680; Aug. 12.

Kagley, William H., assignor to Lindsay Ripe Olive Company, Lindsay, Calif. Cap embossing device. 2,425,374; Aug. 12.

Kaplan, Max, New York, N. Y. Pocket case. 2,425,540; Aug. 12.

Kelley, Maurice J.: *See*— Robinson, Edwin A., and Kelley.

Kellogg, M. W., Company, The, assignee: *See*— Passino, Herbert J., and McGrath.

Kempton, Leslie A., Chicago, Ill., assignor to Hotpoint Inc. Dishwashing apparatus. 2,425,620; Aug. 12.

Kenyon, David E., Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc. Cathode-ray system with bright and dark marker indications. 2,425,330; Aug. 12.

Kilchenmann, Walter, assignor to Sulzer Frères, Societe Anonyme, Winterthur, Switzerland. Free piston engine. 2,425,375; Aug. 12.

Kling Bros. Engineering Works, assignee: *See*— Jorgenson, John P.

Knapp-Monarch Company, assignee: *See*— Weida, Millard F.

Knipper, Francis E., Santa Ana, Calif. Vibrator. 2,425,621; Aug. 12.

Konet, Henry, Paramus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Photoelectric drift indicator. 2,425,541; Aug. 12.

Koppers Company, Inc., assignee: *See*— Hill, William H.
Landgraf, George F.

Kramer, Linzie F., Vallejo, Calif. Guard device for circular-saw table sawing machine. 2,425,331; Aug. 12.

Krieble, Vernon K., Hartford, Conn., and R. H. Smellie, Oak Ridge, Tenn. Process for dehydrating carboxylic acids. 2,425,542; Aug. 12.

Kronmiller, Charles W., Fort Wayne, Ind., assignor to General Electric Company. Combined transformer and reactor. 2,425,622; Aug. 12.

Kuchar, Joseph, Chicago, Ill., assignor to The Athey Products, Corporation. Track wheel. 2,425,698; Aug. 12.

Kuehn, Homer W., and F. G. Wheeler, assignors to Armour and Company, Chicago, Ill. Device for deep fat frying. 2,425,699; Aug. 12.

Kugler, Robert E.: *See*— Palmer, Frederick, Kugler, and Bryans.

Kuhn, Clarence W., Wauwatosa, and T. F. Rosing, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Protective device. 2,425,623; Aug. 12.

Kushner, Samuel, Montvale, N. J., and L. Brancone, Pearl River, assignors by mesne assignments, to American Cyanamid Company, New York, N. Y. Guanidine derivatives and preparing the same. 2,425,376; Aug. 12.

LaBrecque, Theodore A., assignor to The Hilliard Corporation, Elmira, N. Y. Reclaiming apparatus. 2,425,377; Aug. 12.

Lade, Frederick L., and W. T. Irwin, Vancouver, British Columbia, Canada. Clothes line tightener. 2,425,476; Aug. 12.

Landgraf, George F., Cockeysville, assignor to Koppers Company, Inc., doing business as Bartlett Hayward Division, Baltimore, Md. Apparatus for carving propeller blades. 2,425,543; Aug. 12.

Lane, Mills B., Jr., assignee: *See*— Davis, Willa H.

Langdon, Jesse D., Brooklyn, N. Y. Apparatus for resurfacing rubber tires. 2,425,332; Aug. 12.

Langsett, Victor M., assignee: *See*— Schulte, Bernard F.

Lapple, Charles E.: *See*— Chilton, Thomas H., and Lapple.

Lardinois, Omer, Detroit, Mich. Inhaling device. 2,425,624; Aug. 12.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrogen. 2,425,625; Aug. 12.

Larson, Karl R., assignor to The Paul Bunyan Bait Company, Minneapolis, Minn. Bracelet. 2,425,477; Aug. 12.

Lawton, Maxwell, and P. Rosenberg, assignors to Howard Industries, Inc., Buffalo, N. Y. Automatic divergent sorting and gauging screw roller. 2,425,478; Aug. 12.

Lear, Incorporated, assignee: *See*— Schall, William R., Jr., and Van Dermark.

Le Blanc, Edward V., Arlington, Mass. Garter. 2,425,479; Aug. 12.

Le Clair, Camille C. S., Acton, London, England. Lubricant circulating system incorporating filtering means. 2,415,700; Aug. 12.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Piston cooling in free-piston units. 2,425,544; Aug. 12.

Leeds and Northrup Company, assignee: *See*— Williams, Albert J., Jr., and Tatman.

Lefebre, Edward A., Jamaica, assignor of forty-five per cent to E. H. Lefebre, Springfield Garden, forty-five per cent to S. H. George, Bellerose, and ten per cent to F. J. Orzel, Regent Park, N. Y. Outlet box coupling. 2,425,545; Aug. 12.

Lefebre, Edward H., assignee, et al.: *See*— Lefebre, Edward A.

Lesser, L., & Co., assignee: *See*— Lesser, Lawrence.

Lesser, Lawrence, New Rochelle, N. Y., assignor to L. Lesser & Co. Protective covering. 2,425,701; Aug. 12.

Le Vangie, Benjamin M., Randolph, Mass., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Manufacture of chocolate articles. 2,425,431; Aug. 12.

Lewis, Aubrey W., and W. Glantz, Harvard, Nebr. Portable screw conveyer. 2,425,681; Aug. 12.

Lewis, William R.: *See*— Berry, Fred M., and Lewis.

Libbey Owens Ford Glass Company, assignee: *See*— Ryan, Joseph D., and Shaw.

Lichtenwalter, Myrl: *See*— Davis, Harold S., Lichtenwalter, and Erickson.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Chloro cyanobutanes. 2,425,432; Aug. 12.

Liebmann, Gerhard, assignor to Cathodeon Limited, Cambridge, England. Cathode-ray tube with shielded deflecting plates. 2,425,682; Aug. 12.

Light, Donald W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Making clay films. 2,425,626; Aug. 12.

Lindemann, Charles A., Bridgeport, Conn., assignor to General Electric Company. Suds-lock decreasing means for spinner type clothes washing machines. 2,425,378; Aug. 12.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Transmission line circuit. 2,425,379; Aug. 12.

Linderoth, Lambert S., Jr., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism for gun training apparatus. 2,425,433; Aug. 12.

Lindsay Ripe Olive Company, assignee: *See*— Kagley, William H.

Lindsey, William, Syracuse, N. Y. Centrifugal drier for hats. 2,425,546; Aug. 12.

Lipsitz, Hazel M., Chicago, Ill. Garment hanger. 2,425,547; Aug. 12.

Liquidometer Corporation, The, assignee: *See*— de Giers, Clarence A., and Edelman.

Livers, Carlos B., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Selector valve mechanism. 2,425,380; Aug. 12.

Lobl Manufacturing Company, The, assignee: *See*— Porter, Malcolm E.

Locomotive Finished Material Company, The, assignee: *See*— Smith, Charles C.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,425,627; Aug. 12.

Loder, Donald J., and W. M. Bruner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aminoacetals. 2,425,628; Aug. 12.

Lofgren, Charles W.: *See*— Hofeldt, George J., and Lofgren.

Long, John R.: *See*— Clifford, Albert M., and Long.

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firing pin supporting means for firearms. 2,425,434; Aug. 12.

Lovick, John B., Glendale, assignor to Allied Appliance Co., Los Angeles, Calif. Concentric thread gauge. 2,425,381; Aug. 12.

Lowery, Ellis H., Bernice, La. Wire clamp for stretching wire. 2,425,548; Aug. 12.

Lubbert, Carl B., Annesiie, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing strip material. 2,425,382; Aug. 12.

Luck, David G. C., Hightstown, N. J., assignor to Radio Corporation of America. Radio direction finding. 2,425,383; Aug. 12.

Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Calculation checking device. 2,425,549; Aug. 12.

Lundgren, Harold P., Berkeley, Calif., assignor to Secretary of Agriculture of the United States of America. Making oriented regenerated protein products. 2,425,550; Aug. 12.

MacLean, Alexander F.: *See*— Paden, Joseph H., and MacLean.

Maddock, Ralph B.: *See*— Dye, Harry M., and Maddock.

Malko & Lock Machine Products, assignee: *See*— Malko, Stephen.

Malko, Stephen, assignor to Malko & Lock Machine Products, Chicago, Ill. Applicator. 2,425,384; Aug. 12.

Manus, George K., Los Angeles, Calif. Pull-over garment. 2,425,480; Aug. 12.

Margon Corporation, assignee: *See*— Cohn, David.

Marinsky, Davis, assignee: *See*— Morin, Louis H.

Marr, George M., New York, N. Y. Electric heater. 2,425,702; Aug. 12.

Martin, Emma L., Dunbar, Pa. Washable fabric lunch bag. 2,425,683; Aug. 12.

Mayer, George J., New Berlin, Wis. Luggage carrier. 2,425,629; Aug. 12.

McArthur, James E., San Francisco, Calif. Clamp comb. 2,425,435; Aug. 12.

McAuliffe, Patrick, New York, N. Y. Musical instrument. 2,425,436; Aug. 12.

McCarl, Howard H., Sheffield, Ala. Protective cuff. 2,425,333; Aug. 12.

McCollum, Henry D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion airplane heater. 2,425,630; Aug. 12.

McCollum, Thelma, executrix: *See*— McCollum, Henry D.

McCoy, Carl J., Orcutt, Calif. Pipe handling apparatus. 2,425,292; Aug. 12.

McCreath, David, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Modification of filaments, etc., derived from synthetic linear polyamides. 2,425,334; Aug. 12.

McDermott, Paul F., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for making flexible insulation. 2,425,293; Aug. 12.

McGrath, Henry G.: *See*— Passino, Herbert J., and McGrath.

McIntosh, George R., San Francisco, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Motor vehicle. 2,425,631; Aug. 12.

McKay, James B., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Apparatus for automatically controlling discharge of settled particles in a hydraulic classifier. 2,425,551; Aug. 12.

Mead, Benjamin F., assignee: *See*— Elbert, Ernest.

Mead Corporation, The, assignee: *See*— Browner, George R.

Mertins, William A.: *See*— Hanrahan, Emery M., and Mertins.

Messing, Hjalmar S., New York, N. Y., and C. L. Durkee, Wausau, Wis. Fiber processing apparatus. 2,425,335; Aug. 12.

Metals & Controls Corporation, assignee: *See*— Bolesky, John D., and Buell. Buell, Lewis W. Savolainen, Unto U.

Miller, Edward J.: *See*— Hill, Arthur M., Miller, and Baker.

Mills, Winton G. B.: *See*— Oxley, Horace F., Thomas, and Mills.

Miner, W. H., Inc., assignee: *See*— Dath, George E.

Montgomery Ward & Co., Incorporated, assignee: *See*— Heaton, Nathan C., and Sarnecki.

Morey, William E., Huntington, W. Va., and R. G. Nichols, Weldon Spring, Mo., assignors to American Car and Foundry Company, New York, N. Y. Reclining seat control. 2,425,632; Aug. 12.

Morgan Construction Company, assignee: *See*— Murrah, Edmund S.

Morgan, John T., Charleston, W. Va. Making insulated multiconductor structures. 2,425,294; Aug. 12.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Apparatus for producing varied spaced castings on a mounting. 2,425,552; Aug. 12.

Morris, Harry A., assignor to C. V. Hill & Company, Inc., Trenton, N. J. Refrigerated display case. 2,425,295; Aug. 12.

Morse, Louis R., New York, N. Y., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Quartz oscillator plateholder. 2,425,481; Aug. 12.

Morse, Normand W., Chicago, assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill. Coolant conditioning system. 2,425,703; Aug. 12.

Morse, W. A., assignee: *See*— Shaw, Clyde M., and Putney.

Moser, Charles E., Beacon, assignor to The Texas Company, New York, N. Y. Pretreatment of reactivated hydrocarbon cracking catalyst with normally gaseous olefins. 2,425,482; Aug. 12.

Moss, Philip H.: *See*— Cook, Elmer W., and Moss.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stoker apparatus. 2,425,633; Aug. 12.

Mueller Co., assignee: *See*— Mueller, Frank H., and Smith.

Mueller, Frank H., Hot Springs National Park, Ark., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Pipe-line stopper. 2,425,483; Aug. 12.

Mueller, George E., Keyport, N. J., assignor to Bell Telephone Laboratories, Inc., New York, N. Y. Microwave directive antenna. 2,425,336; Aug. 12.

Muffly, Glenn, Springfield, Ohio. Control method and arrangement for a two temperature refrigerator using a capillary expansion device. 2,425,634; Aug. 12.

Mullins Manufacturing Corporation, assignee: *See*— Benson, John H.

Mumma, Robert E.: *See*— Desch, Joseph R., Gulden, and Mumma.

Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade package. 2,425,337; Aug. 12.

Murrah, Edmund S., assignor to Morgan Construction Company, Worcester, Mass. Electrically driven rotary shear. 2,425,484; Aug. 12.

Musselman, Henry E., and W. H. Buck, Kalamazoo, Mich. Dispenser for cigarettes. 2,425,553; Aug. 12.

Myers, Lewis C., Freeport, assignor to Royal Typewriter Company, Inc., New York, N. Y. Mask for typewriter or like machine. 2,425,485; Aug. 12.

Nalle, Charles R., assignee: *See*— Graff, Benjamin P.

Nathan, Alan H.: *See*— Hunter, James H., & Nathan.

National Acme Company, The, assignee: *See*— Drissner, Alfred E., and Barkinen.

National Cash Register Company, The, assignee: *See*— Desch, Joseph R., and Gulden, and Mumma.

Nau, Wilmer H., South Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plate and reinforced carrier therefor. 2,425,338; Aug. 12.

Navy, United States Government, as represented by the Secretary of the, assignee: *See*— Chilton, Thomas H., and Lapple.

Neal, Ernest C., Chicago, Ill. Handle lock for tools. 2,425,437; Aug. 12.

Nelson, Dale H., Southampton, N. Y., and J. R. Cosby, Towson, Md., assignors to The Western Union Telegraph Company, New York, N. Y. Locating faults in electrical conductors. 2,425,554; Aug. 12.

Nelson, Edwin F., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,425,555; Aug. 12.

Nemeth, Otto R., Chicago, Ill. Power-driven intermittent strip film mechanism. 2,425,704; Aug. 12.

Neufeld, Leonard C., Des Moines, Iowa. Stoker apparatus. 2,425,339; Aug. 12.

Nichols, Ralph G.: *See*— Morey, William E., and Nichols.

Nieberding, H. H., assignee: *See*— Black, Mike.

Nielson, Frederik, Quincy, Mass. Camber adjusting tool. 2,425,556; Aug. 12.

Nitzberg, Morris, Philadelphia, Pa. Dress. 2,425,635; Aug. 12.

Nixon, Alan C., and O. L. Davis, Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of hydrocarbons. 2,425,340; Aug. 12.

Noland, Thomas T.: *See*— Denton, William I., Bishop, Nygaard and Noland.

Nopco Chemical, assignee: *See*— Robinson, Edwin A., and Kelley.

Norton, Leland D., Fairfield, Conn., assignor to Dictaphone Corporation, New York, N. Y. Electric phonograph. 2,425,486; Aug. 12.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,425,385; Aug. 12.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,425,386; Aug. 12.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Direction finder. 2,425,387; Aug. 12.

Nygaard, Edwin M.: *See*— Denton, William I., Bishop, Nygaard, and Noland.

Obermaier, John A., River Forest, Ill. Pyrometer. 2,425,557; Aug. 12.

O'Boyle, Charles M., assignee: *See*— Thress, James D.

Oestricher, Bernard, Brooklyn, N. Y. Plastic inner sole. 2,425,388; Aug. 12.

Ogle, Hugh M.: *See*— Edwards, Martin A., and Ogle.

Ohlendorf, Gerhard G., Whitsett, Tex. Direction control device. 2,455,558; Aug. 12.

Oilgear Company, The, assignee: *See*— Tyler, Ransom.

O'Neal, Wilbert O., Lees Summit, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine stop. 2,425,438; Aug. 12.

Orzel, Francis J., assignee, et al.: *See*— Lefebre, Edward A.

Oswego Falls Corporation, assignee: *See*— Wilcox, Isaac L.

Owens-Illinois Glass Company, assignee: *See*— Bowe, George R., Jr. Finley, Hugh P.

Oxley, Horace F., and E. B. Thomas, Spondon, near Derby, and W. G. B. Mills, Wimbledon, London, assignors to British Celanese Limited, London, England. Manufacture of vinyl esters. 2,425,389; Aug. 12.

Paden, Joseph H., and A. F. MacLean, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of mono- and unsymmetrically disubstituted guanidines. 2,425,341; Aug. 12.

Pako Corporation, assignee: *See*— Dye, Harry M., and Maddock.

Palmer, George B., Grosse Ile, Mich. Material handling apparatus. 2,425,342; Aug. 12.

Palmer, Kendrick, R. E. Kugler, and H. M. Bryans, assignors to Eastman Kodak Company, Rochester, N. Y. Forming flanged or beaded container. 2,425,390; Aug. 12.

Parker Appliance Company, The, assignee: *See*— Wolfram, John N.

Parkin, Leslie, Nottingham, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Adjustable fastener stud. 2,425,636; Aug. 12.

Parsons, John B., Toledo, Ohio. Hydraulic regulator mechanism for vehicle windows or the like. 2,425,391; Aug. 12.

Passino, Herbert J., Englewood, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Catalytic conversion of alkyl aromatic hydrocarbons. 2,425,559; Aug. 12.

Patchett, George W., Chigwell, England. Breech bolt for firearms. 2,425,684; Aug. 12.

Pavlis, Edward A.: *See*— Frost, Frank E., and Pavlis.

Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Detecting and ejecting packing strip applying machines. 2,425,637; Aug. 12.

Pease, Charles F., Los Angeles, Calif. Dispensing apparatus. 2,425,487; Aug. 12.

Pelston, Earl L., and A. A. Holzschuh, assignors to The Dow Chemical Company, Midland, Mich. Making cycloalkylacetic acids. 2,425,343; Aug. 12.

Penn Electric Switch Co., assignee: *See*— Wagner, Leland B.

Peterson, Harold O.: *See*— Atwood, John B., and Peterson.

Peterson, Harold O., and G. S. Wickizer, Riverhead, N. Y., assignors to Radio Corporation of America. Horn antenna. 2,425,488; Aug. 12.

Peterson, Merlin Dewey, Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of ethylene. 2,425,638; Aug. 12.

Peterson, Ralph G., Minneapolis, Minn. Anesthesia and surgery restraining device. 2,425,489; Aug. 12.

Petrolite Corporation, Ltd., assignee: *See*— Roberts, Claudius H. M. Stenzel, Richard W.

Philco Corporation, assignee: *See*— Clum, Henry W.

Pinder, Joseph W., Camp Hill, and Alexander Blair, Harrisburg, Pa. Determining balance. 2,425,685; Aug. 12.

Pitman, Richard W., Laverock-Hillcrest, Pa., assignor to Underwood Corporation. Business machine. 2,425,490; Aug. 12.

Pittsburgh Coke & Chemical Company, assignee: *See*— Riethof, George.

Plax Corporation, assignee: *See*— Wiley, Fred E.

Popper, Emil, Brooklyn, N. Y. Flexible link device. 2,425,639; Aug. 12.

Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middlebore, Mass. Thermostatic control of electric heating pads. 2,425,686; Aug. 12.

Pruitt, Rodman C., Seymour, Ind., and E. F. Fowle and R. S. Iglehart, assignors to The Steel Products Engineering Company, Springfield, Ohio. Surface finishing. 2,425,640; Aug. 12.

Purdy, Harry W., Long Beach, Calif. Automatic article dispenser. 2,425,560; Aug. 12.

Pure Oil Company, The, assignee: *See*— Bond, Donald C. Bond, Donald C., and Ayers. Bond, Donald C., and Savoy.

Puster, Louis M., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Temperature regulator. 2,425,439; Aug. 12.

Putney, Herbert S.: *See*— Shaw, Clyde M., and Putney.

Pye Limited, assignee: *See*— Jackson, Donald.

Quidas, Frederick W., New York, N. Y. Pocket pen and pencil protector. 2,425,561; Aug. 12.

Quik-Seal, Inc., assignee: *See*— Sticelber, Merlin A.

Radio Corporation of America, assignee: *See*— Atwood, John B., and Peterson. Carter, Philip S. Dow, Orville E. Goddard, De Witt R. Hallborg, Henry E., and Clark. Hansell, Clarence W. Lindenblad, Nils E. Luck, David G. C. Norton, Lowell E. Peterson, Harold O., and Wickizer. Sachtleben, Lawrence T. Schlesinger, Kurt. Sloss, Robert. Trevor, Bertram A., and Atwood. Tunick, Harry. Vance, Arthur W.

Ransburg, Harper J., Company, assignee: *See*— Starkey, William A.

Rees, Frank X., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Relay with adjustable armature mounting. 2,425,562; Aug. 12.

Reeves Hoffman Corporation, assignee: *See*— Morse, Louis R.

Remde, Jack, Chicago, Ill., assignor to Ray L. Triplett, Bluffton, Ohio. Vacuum tube bridge voltmeter. 2,425,641; Aug. 12.

Remington Arms Company, Inc., assignee: *See*— Barnes, Charles H. Burdett, Philip H., and Hodgson. Loomis, Crawford C. O'Neal, Wilbert O.

Riboud, Jacques M. J., Mount Washington, Md., assignor to Specialty Equipment and Machinery Corp., New York, N. Y. Mobile gun mount. 2,425,563; Aug. 12.

Ricards, Charles L.: *See*— Tornberg, Isidor, and Ricards.

Richards, William H., Dayton, Ohio. Reel. 2,425,344; Aug. 12.

Riethof, George, Mount Lebanon, assignor to Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Separating pyrrole and pyridine bases. 2,425,440; Aug. 12.

Riley, Leo L., Redondo Beach, Calif. Mechanically driven boat. 2,425,441; Aug. 12.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave transmission system. 2,425,345; Aug. 12.

Ring, Jacob, Brighton, Mass. Carrier for bottles and the like. 2,425,564; Aug. 12.

Ringler, William A., Wayne, Pa., assignor to The Gardner-Richardson Company, Middletown, Ohio. Sealable carton for frozen foods. 2,425,642; Aug. 12.

Rippere, Robert O., Massapequa, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic dead reckoning device. 2,425,346; Aug. 12.

Robbins, Leo: *See*— Zeitlin, Alexander, and Robbins.

Roberts, Claudius H. M., Palos Verdes Estates, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Electrical apparatus for separating the constituents of an oil-water system. 2,425,355; Aug. 12.

Robinson, Cecil S., New York, N. Y. Vibration absorption unit. 2,425,565; Aug. 12.

Robinson, Cecil S., New York, N. Y. Vibration absorption block. 2,425,566; Aug. 12.

Robinson, Cecil S., New York, N. Y. Vibration absorption device. 2,425,567; Aug. 12.

Robinson, Edwin A., Chatham, and M. J. Kelley, Newark, assignors to Nopco Chemical Company, Harrison, N. J. Diamide textile lubricants. 2,425,392; Aug. 12.

Robinson, Edwin A., Chatham, and M. J. Kelley, Newark, assignors to Nopco Chemical Company, Harrison, N. J. Hydroxylated polyamide textile lubricants. 2,425,393; Aug. 12.

Rohm & Haas Company, assignee: *See*—
Hester, William F., and Craig.

Ronfeldt, Henry C., assignor to Toledo Stamping and Manufacturing Company, Toledo, Ohio. Engine rocker arm. 2,425,394; Aug. 12.

Root, William A., Huntington Park, Calif. Fruit jar lifter. 2,425,395; Aug. 12.

Rose, Francis L., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Water soluble salts of N,N¹-Di-(sulfoalkyl)-4,4¹-diaminodiphenylsulfones and preparation. 2,425,396; Aug. 12.

Roseman, Leo, Newark, N. J. Belt for garters and sanitary pads. 2,425,397; Aug. 12.

Rosenberg, Philip: *See*—
Lawton, Maxwell, and Rosenberg.

Rosing, Theodore F.: *See*—
Kuhn, Clarence A., and Rosing.

Royal Typewriter Company, Inc., assignee: *See*—
Myers, Lewis C.

Royer, Arthur G., East Cleveland, assignor to Harris-Seybold Company, Cleveland, Ohio. Water fountain. 2,425,643; Aug. 12.

Ruthruff, Robert F., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Manufacture of phthalic anhydride. 2,425,398; Aug. 12.

Rutledge, John W., El Paso, Tex. Traction chain. 2,425,644; Aug. 12.

Ryan, Joseph D., Toledo, Ohio, and F. B. Shaw, Jr., Baltimore, Md., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,425,568; Aug. 12.

Ryan, Robert, East Troy, assignor to Tri-Clover Machine Company, Kenosha, Wis. Fabricating a tee. 2,425,645; Aug. 12.

Sachtleben, Lawrence T., Indianapolis, Ind., assignor to Radio Corporation of America. Method and apparatus for measuring the index of refraction of thin layers of transparent material. 2,425,399; Aug. 12.

Sanford Ink Company, assignee: *See*—
Hofeldt, George J., and Lofgren.

Sanowskis, Albert C., Chicago, Ill. Combination lock. 2,425,646; Aug. 12.

Sarnecki, Stephen A.: *See*—
Heaton, Nathan C.

Sarver, Emmett F., assignor of one-half to O. W. Wortman, Wichita, Kans. Thermoelectric current generating device. 2,425,647; Aug. 12.

Savolainen, Unto U., assignor to Metals & Controls Corporation, Attleboro, Mass. Compensating thermostat. 2,425,687; Aug. 12.

Savoy, Machael: *See*—
Bond, Donald C., and Savoy.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. High aperture collimating lens system. 2,425,400; Aug. 12.

Schaefer, Arthur E., Loudonville, assignor to General Aniline & Film Corporation, New York, N. Y. Hydrofluoric salts of basic triarylmethane dyestuffs. 2,425,569; Aug. 12.

Schaelchlin, Walter, and D. Ellis, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof contactor and relay. 2,425,648; Aug. 12.

Schall, William R., Jr., and Lloyd H. Van Dermark, Piqua, Ohio, assignors, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Antidisparity motor control system. 2,425,442; Aug. 12.

Scheg, Marcian A., and O. H. Dicke, assignors to General Railway Signal Company, Rochester, N. Y. Switch system to prevent arcing of contacts. 2,425,570; Aug. 12.

Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Deflection circuit. 2,425,491; Aug. 12.

Schlesman, Carleton H.: *See*—
Crandall, George S., and Schlesman.

Schmitt, Frank R., New York, N. Y., assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Apparatus for testing and classifying insulating sheets according to dielectric strength. 2,425,347; Aug. 12.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixture of cyclized rubber and resorcinol-formaldehyde resol. 2,425,348; Aug. 12.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Laminated structures. 2,425,349; Aug. 12.

Schulte, Bernard F., Highland Park, assignor of one-half to V. M. Langsett, Chicago, Ill. Collapsible golf club carrier. 2,425,688; Aug. 12.

Schultz, Elmer A., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plate and carrier therefor. 2,425,350; Aug. 12.

Schwarz Engineering Company, Inc., The, assignee: *See*—
Schwarz, Henry G.

Schwarz, Henry G., Denver, Colo., assignor to The Schwarz Engineering Company, Inc., San Francisco, Calif. Treatment of fruit and vegetable juices. 2,425,689; Aug. 12.

Scott, Norman D.: *See*—
Hinegardner, Wilbie S., and Scott.

Severson, Oscar S., Milwaukee, Wis. Fishing reel. 2,425,492; Aug. 12.

Sharphouse, John H., Prestwich, and J. Downing, Spondon, near Derby, assignors to British Celanese Limited, London, England. Production of cellulose ethers. 2,425,351; Aug. 12.

Shaw, Clyde M. and H. S. Putney, Topeka, assignors to W. A. Morse, Mission, Kans. Bottle carrier. 2,425,401; Aug. 12.

Shaw, Fred B., Jr.: *See*—
Ryan, Joseph D., and Shaw.

Sheil Development Company, assignee: *See*—
Nixon, Alan C., and Davis.

Sherwin-Williams Company, The, assignee: *See*—
Ruthruff, Robert F.

Sieloff, Ona, Ferndale, Mich. Infant's garment. 2,425,402; Aug. 12.

Simonson, Lawrence M., Los Angeles, Calif. Combination holder and sharpener for kitchen knives. 2,425,571; Aug. 12.

Sloss, Robert, Audubon, N. J., assignor to Radio Corporation of America. Ultra high frequency electron discharge device system. 2,425,352; Aug. 12.

Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Alkylation. 2,425,572; Aug. 12.

Smellie, Robert H.: *See*—
Krieble, Vernon K., and Smellie.

Smith, Charles C., assignor to The Locomotive Finished Material Company, Atchison, Kans. Packing ring. 2,425,649; Aug. 12.

Smith, E. F., assignee: *See*—
Taylor, August M.

Smith, John J.: *See*—
Mueller, Frank H., and Smith.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Crandall, George S., and Schlesman.
Denton, William I., Bishop, Nygard, and Noland.

Sody, Frederick, Enstone, England. Separation of thorium and the rare-earth group from minerals. 2,425,573; Aug. 12.

Solvay Process Company, The, assignee: *See*—
Vingee, Raymond A.

Soreng, Edgar M., Skokie, assignor to Soreng Manufacturing Corporation, Chicago, Ill. Coil construction. 2,425,443; Aug. 12.

Soreng Manufacturing Corporation, assignee: *See*—
Soreng, Edgar M.

Sparks, Helen R.: *See*—
Czajcinski, Agnes R., and Sparks.

Specialty Equipment and Machinery Corp., assignee: *See*—
Riboud, Jacques M. J.

Sperry Gyroscope Company, Inc., assignee: *See*—
Braddon, Frederick D.
Harris, Herbert, Jr.
Kenyon, David E.

Sperry-Sun Well Surveying Company, assignee: *See*—
Hering, Donald.

Spitzer, Lyman, Jr., New Haven, Conn. Flexible, variable-diameter propeller. 2,425,353; Aug. 12.

Stalker, Edward A., Bay City, Mich. Helicopter rotor with blade-balancing mechanism. 2,425,650; Aug. 12.

Stalker, Edward A., Bay City, Mich. Rotary wing sustained aircraft. 2,425,651; Aug. 12.

Standard Oil Development Company, assignee: *See*—
Bethea, Sam R.
Hemminger, Charles E.
Hibshman, Henry J.
Slotterbeck, Ober C.
Wadley, Edward F., and Horeczy.

Stanolind Pipe Line Company, assignee: *See*—
Hill, Arthur M., Miller, and Baker.

Stapleton, Victor, Dhahran, Saudi Arabia, assignor to The Texas Company, New York, N. Y. Catalytic polymerization of olefins. 2,425,493; Aug. 12.

Starkey, William A., Zionsville, assignor to Harper J. Ransburg Company, Indianapolis, Ind. Method and apparatus for spray coating articles. 2,425,652; Aug. 12.

Stauffer Chemical Company, assignee: *See*—
Belchetz, Arnold.

Steckler, Atlee P., assignee: *See*—
Fontenot, Remie E., and Dooley.

Steel Products Engineering Company, The, assignee: *See*—
Pruit, Rodman C., Fowle, and Iglehart.

Stenzel, Richard W., Long Beach, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Electric treater. 2,425,354; Aug. 12.

Stewack, John F., Downers Grove, Ill. Brake for baby carriages. 2,425,574; Aug. 12.

Stewart, John W., Lake Forest, assignor to The Cuneo Press, Inc., Chicago, Ill. Decalcomania paper. 2,425,653; Aug. 12.

Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry D.

Sticelber, Merlin A., Kansas City, Mo., assignor to Quik-Seal, Inc. Bread molding machine. 2,425,356; Aug. 12.

Storch, Harold A., Fairview Village, assignor, by mesne assignments, to Harris Products Company, Cleveland, Ohio. Vibration dampening device. 2,425,654; Aug. 12.

Stover, Ralph, Oelwein, Iowa. Clamp for gauge housings. 2,425,444; Aug. 12.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,425,445; Aug. 12.

Strong, John, Hyde, England. Welding head shield or helmet. 2,425,690; Aug. 12.

Suloff, Paul D., assignor to Wingfoot Corporation, Akron, Ohio. Belt. 2,425,575; Aug. 12.

Sulzer, Frères, Societe Anonyme, assignee: *See*—
Kilchenmann, Walter.

Sun-Kraft, Inc., assignee: *See*—
Atkins, Carl E., and Furedy.

Sun, Kuan-han, assignor to Eastman Kodak Company, Rochester, N. Y. Fluogermanate glass. 2,425,403; Aug. 12.

Sun Oil Company, assignee: *See*—
Haseltine, Nathaniel G., and Bock.

Tatman, Olive B.: *See*—
Williams, Albert J., Jr., and Tatman.

Taylor, August M., assignor of one-half to E. F. Smith, Clarendon, Tex. Tack hammer. 2,425,494; Aug. 12.

Terry, Francisco A., Habana, Cuba. Valve for lubrication. 2,425,446; Aug. 12.

Tetu, Douglas A., Haley, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Removing manganese from calcium. 2,425,705; Aug. 12.

Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.

Texas Company, The, assignee: *See*—
Crumrine, Kenneth C.
Herzog, Gerhard.
Moser, Charles E.
Stapleton, Victor.

Thoma, Meinard F., Fitchburg, Mass. Suction cleaning device for spinning machines and the like. 2,425,576; Aug. 12.

Thoma, Meinard F., Fitchburg, Mass. Textile machine construction. 2,425,577; Aug. 12.

Thoma, Meinard F., Fitchburg, and Louis M. Cotchett, Hingham, Mass. Method of and apparatus for air conditioning of spinning operations and the like. 2,425,578; Aug. 12.

Thomas, Edward B.: *See*—
Oxley, Horace F., Thomas, and Mills.

Thompson, Boyce, Institute for Plant Research, Inc., assignee: *See*—
Harvill, Edward.

Thress, James D., Roanoke, Va., assignor to C. M. O'Boyle, Wilmington, Del. Freight car truck assembly hook device. 2,425,706; Aug. 12.

Tilley, William J., assignee: *See*—
Ferguson, Robert O.

Titan Abrasives Company, assignee: *See*—
Doermann, Albert J.

Toledo Stamping and Manufacturing Company, assignee: *See*—
Ronfeldt, Henry C.

Tompkins, Edwin H., New York, N. Y. Therapeutic device. 2,425,655; Aug. 12.

Toombs, John A., Grande Prairie, Alberta, Canada. Toothbrush holder. 2,425,579; Aug. 12.

Tornberg, Isidore, and Charles L. Ricards, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Registering and trimming of printing plates. 2,425,580; Aug. 12.

Townson & Mercer Limited, assignee: *See*—
Brock, Raymond B.

Touborg, Jens, Tecumseh, Mich. Electric terminal for hermetic compressors. 2,425,404; Aug. 12.

Trevor, Bertram A., and J. B. Atwood, Riverhead, N. Y., assignors to Radio Corporation of America. Two-way telephone system. 2,425,495; Aug. 12.

Tri-Clover Machine Company, assignee: *See*—
Ryan, Robert.

Triplett, Ray L., assignee: *See*—
Remde, Jack.

Tullis, Jasper G., assignor to The Cleveland Formgrader Company, Cleveland, Ohio. Conveyor mounting for trucks. 2,425,656; Aug. 12.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Short-wave apparatus. 2,425,657; Aug. 12.

Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Winder drive. 2,425,496; Aug. 12.

Underwood Corporation, assignee: *See*—
Anderson, Walter A.
Pitman, Richard W.

United Aircraft Corporation, assignee: *See*—
Ledwith, Walter A.

United-Carr Fastener Corporation, assignee: *See*—
Parkin, Leslie.

United Shoe Machinery Corporation, assignee: *See*—
Chandler, James D.
Jorgensen, Bernhardt.
Linderoth, Lambert S., Jr.
Stritter, Karl A.

Universal Oil Products Company, assignee: *See*—
Nelson, Edwin F.

Upjohn Company, The, assignee: *See*—
Hunter, James H., and Nathan.

Urban, Carrol E., assignee: *See*—
Urban, Thomas W.

Urban, Thomas W., assignor of forty-five per cent to C. E. Urban, Detroit, Mich. Fish lure. 2,425,658; Aug. 12.

Van Allan, James A.: *See*—
Allen, Charles, F. H., and Van Allan.

Vance, Arthur W., Moorestown, N. J., assignor to Radio Corporation of America. Electronic computing circuit. 2,425,405; Aug. 12.

Van Dermark, Lloyd H.: *See*—
Schall, William R., Jr., and Van Dermark.

Veale, Charles C.: *See*—
Cherry, George L.

Viehweger, August, Comstock Park, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,425,659; Aug. 12.

Vilter Manufacturing Co., The, assignee: *See*—
Baars, Ernst S. H.

Vincent, Joseph F., assignor to Wingfoot Corporation, Akron, Ohio. Stretchwrapping device. 2,425,581; Aug. 12.

Vingee, Raymond A., Geddes, assignor to The Solvay Process Company, New York, N. Y. Production of nitrous oxide. 2,425,582; Aug. 12.

Volk, Edward W., St. Louis, Mo., assignor to Curtiss-Wright Corporation. Wheel rotating mechanism. 2,425,583; Aug. 12.

Waddell, William M., West Vancouver, British Columbia, Canada. Rolling door. 2,425,497; Aug. 12.

Wadley, Edward F., and J. T. Horeczy, Baytown, Tex., assignors to Standard Oil Development Company. Conditioning sulphuric acid sludge. 2,425,584; Aug. 12.

Wagner, Frederick P., Normandy, assignor to Bauer Brothers Shoe Company, St. Louis, Mo. Shank stiffener. 2,425,707; Aug. 12.

Wagner, Leland B., assignor to Penn Electric Switch Co., Goshen, Ind. Control structure. 2,425,447; Aug. 12.

Walker, Brooks, Piedmont, Calif. Apparatus for exploding land mines. 2,425,357; Aug. 12.

Walker, Joseph F.: *See*—
Hinegardner, Wilbie S., and Walker.

Walters, George, New York, N. Y. Fly ball. 2,425,406; Aug. 12.

War, United States of America as represented by the Secretary of, assignee: *See*—
Zavarella, Arthur.

Ware, Richard N., Jr., and R. Cannon, Tallulah, La., assignors to Chicago Mill and Lumber Company, Chicago, Ill. Method and apparatus for making paper-covered veneer. 2,425,660; Aug. 12.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Galvanometer. 2,425,407; Aug. 12.

Wasserman, Lee S., Dayton, Ohio. Airplane tab balancing means. 2,425,358; Aug. 12.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Airplane. 2,425,498; Aug. 12.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Wing-body structure for airplanes. 2,425,499; Aug. 12.

Weber, Arthur G., and C. D. Bell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of aminoacetonitrile by vacuum distillation. 2,425,661; Aug. 12.

Weida, Millard F., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Welded bulb and cap. 2,425,448; Aug. 12.

Western Electric Company, Incorporated, assignee: *See*—
Brown, Raymond W.
Brown, William J.
Cherry, George L., and Veale.
Conklin, Robert M.
Franz, Erwin E.
Lubbert, Carl B.

Western Union Telegraph Company, The, assignee: *See*—
Nelson, Dale H., and Cosby.

Westinghouse Electric Corporation, assignee: *See*—
Mosshart, Donald J.
Schaelchlin, Walter, and Ellis.

Wheeler, Fred G.: *See*—
Kuehn, Homer W., and Wheeler.

Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Wave-signal antenna. 2,425,585; Aug. 12.

Wickizer, Gilbert S.: *See*—
Peterson, Harold O., and Wickizer.

Wiggins, Earl B., deceased; I. L. Wiggins, Los Angeles, Calif., executrix. Valved coupling. 2,425,500; Aug. 12.

Wiggins, Irene L., executrix: *See*—
Wiggins, Earl B.
Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container. 2,425,708; Aug. 12.
Wiley, Fred E., assignor to Plax Corporation, Hartford, Conn. Prevention of crazing of flash heated shapes of polystyrene. 2,425,501; Aug. 12.
Williams, Albert J., Jr., Philadelphia, and O. B. Tatman, Narberth, assignors to Leeds and Northrup Company, Philadelphia, Pa. Frictional damping means for galvanometers. 2,425,408; Aug. 12.
Wilson, Cecil E., Baton Rouge, assignor to Independent Grinding Wheel Company, New Orleans, La. Abrasive wheel. 2,425,502; Aug. 12.
Wilson, Harry C., Beverly Hills, assignor to Robert H. Clark, Los Angeles, Calif. Toolholder. 2,425,409; Aug. 12.
Wilson, Kelly, Lookout, Okla. Tractor hitch. 2,425,449; Aug. 12.
Wingfoot Corporation, assignee: *See*—
Clifford, Albert M., and Long.
Lichty, Joy G.
Suloff, Paul D.
Vincent, Joseph F.
Wolff, George, New York, N. Y. Spot setting device. 2,425,586; Aug. 12.
Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Flexible coupling. 2,425,662; Aug. 12.
Wood Newspaper Machinery Corporation, assignee: *See*—
Tornberg, Isador, and Ricards.
Woodbury, Clifford A.: *See*—
Fassnacht, Hartwell H., and Woodbury.
Wooldridge, Mack, Oakland, Calif., assignor to American Tractor Equipment Corporation. Hoist. 2,425,663; Aug. 12.
Wooldridge Manufacturing Company, assignee: *See*—
McIntosh, George R.
Wortman, O. W., assignee: *See*—
Sarver, Emmett F.
Young, John, Hagerstown, Md., assignor to Duramold Aircraft Corporation, New York, N. Y. Fluid-pressure apparatus for fabricating laminated assemblies. 2,425,450; Aug. 12.
Zade, Hans P.: *See*—
Haim, Georg, and Zade.
Zakel, Paul, Stockton, Calif. Carrying scraper. 2,425,664; Aug. 12.
Zavarella, Arthur, Agawam, Mass., assignor to The United States of America as represented by the Secretary of War. Apparatus for producing tapered electrodeposits. 2,425,359; Aug. 12.
Zeitlin, Alexander, and L. Robbins, New York, N. Y. Oil separator. 2,425,410; Aug. 12.
Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. High frequency tuning coil. 2,425,411; Aug. 12.
Zuravsky, Gerasim A., Cleveland, Ohio. Fishhook. 2,425,587; Aug. 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blouse. M. Sholder. Re. 22,906; Aug. 12.
Circuit controller, Electric. J. M. Tyrner. Re. 22,907; Aug. 12.
Conveying and processing apparatus. R. M. Carrier, Jr. Re. 22,904; Aug. 12.
Structural connection, Flexible welded. E. Scheyer. Re. 22,905; Aug. 12.
Tape, Measuring. E. J. Witchger. Re. 22,908; Aug. 12.

LIST OF PLANT INVENTIONS

Apricot tree. O. H. Helder. 751; Aug. 12.

LIST OF DESIGN INVENTIONS

Bracelet. A. Philippe. 147,298; Aug. 12.
Brooch. F. J. Gargano. 147,266–7; Aug. 12.
Brooch or similar article. A. Katz. 147,271–7; Aug. 12.
Brooch or similar article. A. Katz. 147,282–6; Aug. 12.
Brooch or similar article. A. Katz. 147,290; Aug. 12.
Brooch or similar article. A. Philippe. 147,296; Aug. 12.
Brooch or similar article. A. Philippe. 147,299; Aug. 12.
Cabinet, Shoeshine. W. D. Dunn. 147,262; Aug. 12.
Cap, Container. P. A. Derham. 147,261; Aug. 12.
Chest for silverware or the like. A. E. Sloan. 147,305–6; Aug. 12.
Clip. F. J. Gargano. 147,268; Aug. 12.
Clock or similar article. R. G. Richardson. 147,302; Aug. 12.
Container for nail polish or similar article. C. W. Gardiner. 147,265; Aug. 12.
Earring. A. Katz. 147,278–81; Aug. 12.
Earring. A. Katz. 147,287–9; Aug. 12.
Earring. A. Philippe. 147,297; Aug. 12.
Fabric, Printed. E. Thompson. 147,310; Aug. 12.
Fabric, Textile. D. Rosenthal. 147,303; Aug. 12.
Flashlight. R. F. Becker. 147,258; Aug. 12.
Holder, Cigarette. V. W. Jones. 147,270; Aug. 12.
Holder, Combination toothbrush and glass. R. F. McKee. 147,292; Aug. 12.
Holder, Toothbrush. E. T. Larkin. 147,291; Aug. 12.
Lamp, Pin-up. J. Graham. 147,269; Aug. 12.
Lathe, Woodworking. L. E. Potter. 147,300; Aug. 12.
Make-up unit, Lip rouge. L. J. Campbell. 147,259; Aug. 12.
Necklace. A. Philippe. 147,295; Aug. 12.
Pen or the like with safety guard, Fountain. T. D. Flanagan. 147,263; Aug. 12.
Pitcher, Covered. J. L. Sager. 147,304; Aug. 12.
Polisher, Floor. Te L. Tchang. 147,309; Aug. 12.
Ring or similar article, Finger. J. Fleischer. 147,264; Aug. 12.
Sandal, Infant's. B. L. Veach. 147,311; Aug. 12.
Sandal or similar article. J. F. Steel. 147,308; Aug. 12.
Scoring tee. D. A. David. 147,260; Aug. 12.
Separator, Egg. W. V. Smith. 147,307; Aug. 12.
Slipper. A. E. Pfeiffer. 147,294; Aug. 12.
Stand, Smoking. F. T. Paden. 147,293; Aug. 12.
Toy, Whirligig. H. R. Reynolds and I. Montana. 147,301; Aug. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. C. E. Wilson. 2,425,502; Aug. 12.
Acid sludge, Conditioning sulphuric. E. F. Wadley and J. T. Horecky. 2,425,584; Aug. 12.
Air conditioning of spinning operations and the like, Method of and apparatus for. M. F. Thoma and L. M. Cotchett. 2,425,578; Aug. 12.
Aircraft, Rotary wing sustained. E. A. Stalker. 2,425,651; Aug. 12.
Airplane. M. Watter. 2,425,498; Aug. 12.
Airplane tab balancing means. L. S. Wasserman. 2,425,358; Aug. 12.
Alkylation. O. C. Slotterbeck. 2,425,572; Aug. 12.
Aminoacetals, Preparation of. D. J. Loder and W. M. Bruner. 2,425,628; Aug. 12.
Aminoacetonitrile by vacuum distillation, Purification of. A. G. Weber and C. D. Bell. 2,425,661; Aug. 12.
Aminopropionitriles, Preparation of. E. W. Cook and P. H. Moss. 2,425,693; Aug. 12.
Ammunition. P. H. Burdett and J. H. Hodgson. 2,425,418; Aug. 12.
Anesthesia and surgery restraining device. R. G. Peterson. 2,425,489; Aug. 12.
Anhydride, Manufacture of phthalic. R. F. Ruthruff. 2,425,398; Aug. 12.
Antenna, Horn. H. O. Peterson and G. S. Wickizer. 2,425,488; Aug. 12.
Antenna, Microwave directive. G. E. Mueller. 2,425,336; Aug. 12.
Antenna system for radio drift indication. P. S. Carter. 2,425,303; Aug. 12.
Antenna, Wave-signal. H. A. Wheeler. 2,425,585; Aug. 12.
Apparatus for advancing strip material. C. B. Lubbert. 2,425,382; Aug. 12.
Apparatus for automatically controlling discharge of settled particles in a hydraulic classifier. J. B. McKay. 2,425,551; Aug. 12.
Apparatus for carving propeller blades. G. F. Landgraf. 2,425,543; Aug. 12.
Apparatus for disinfecting casings (intestines), especially catgut, Electrical. L. Arnanz. 2,425,422; Aug. 12.
Apparatus for exploding land mines. B. Walker. 2,425,357; Aug. 12.
Apparatus for producing tapered electro-deposits. A. Zavarella. 2,425,359; Aug. 12.
Apparatus for producing varied spaced castings on a mounting. L. H. Morin. 2,425,552; Aug. 12.
Apparatus for resurfacing rubber tires. J. D. Langdon. 2,425,332; Aug. 12.
Apparatus for testing and classifying insulating sheets according to dielectric strength. F. R. Schmitt. 2,425,347; Aug. 12.
Applicator. S. Maiko. 2,425,384; Aug. 12.
Ash tray. F. Graffenberger. 2,425,428; Aug. 12.
Automatic article dispenser. H. W. Purdy. 2,425,560; Aug. 12.
Bag: *See*—
  Washable fabric lunch bag
Balance, Determining. J. W. Pinder and A. Blair. 2,425,685; Aug. 12.
Ball, Fly. G. Walters. 2,425,406; Aug. 12.
Bed screen. P. N. Gregory. 2,425,466; Aug. 12.
Belt. P. D. Sinoff. 2,425,575; Aug. 12.
Belt for garters and sanitary pads. L. Roseman. 2,425,397; Aug. 12.
Billfold, Flexible stitchless. L. Feld. 2,425,461; Aug. 12.
Binocular magnifier, Head-supported. C. A. Ellis. 2,425,522; Aug. 12.
Bis-dioxydiacetonitriles, Aliphatic. C. F. H. Allen and J. A. Van Allan. 2,425,360; Aug. 12.
Blade package. J. Muros. 2,425,337; Aug. 12.
Block: *See*—
  Vibration absorption block
Board: *See*—
  Safety adjustable pipe stabbing board.
Boat, Mechanically driven. L. L. Riley. 2,425,441; Aug. 12.
Boats, Manufacturing. D. M. Blakely. 2,425,507; Aug. 12.
Bolt for firearms, Breech. G. W. Patchett. 2,425,684; Aug. 12.
Bolt, Lock. S. C. George. 2,425,464; Aug. 12.
Bottle carrier. C. M. Shaw and H. S. Putney. 2,425,401; Aug. 12.
Box: *See*—
  Shipping and display box.
Bracelet. K. R. Larson. 2,425,477; Aug. 12.
Bracelet, Link. J. Goldblatt. 2,425,465; Aug. 12.
Brake for baby carriages. J. F. Stewack. 2,425,574; Aug. 12.
Brassière. R. O. Ferguson. 2,425,673; Aug. 12.
Brush with hand-feed valve, Fountain shaving. V. A. Hussey. 2,425,474; Aug. 12.
Bulb and cap, Welded. M. F. Weida. 2,425,448; Aug. 12.
Bundling machine. N. C. Heaton and S. A. Sarnecki. 2,425,430; Aug. 12.
Business machine. R. W. Pitman. 2,425,490; Aug. 12.
Cake from earth bores, Removal of filter. D. C. Bond. 2,425,456; Aug. 12.
Calculation checking device. H. P. Luhn. 2,425,549; Aug. 12.
Can: *See*—
  Sanitary garbage can.
Cap: *See*—
  Chimney cap.
Carboxylic acids, Dehydrating. V. K. Krieble and R. H. Smellie. 2,425,542; Aug. 12.
Carrier: *See*—
  Bottle carrier. Luggage carrier.
  Collapsible golf club carrier.
Carrier amplitude communication system, Controlled. D. R. Goddard. 2,425,614; Aug. 12.
Carrier for bottles and the like. J. Ring. 2,425,564; Aug. 12.
Carton for frozen foods, Sealable. W. A. Ringler. 2,425,642; Aug. 12.
Case: *See*—
  Pocket case. Refrigerated display case.
Caster. B. P. Graff. 2,425,675; Aug. 12.
Catalytic polymerization of olefins. V. Stapleton. 2,425,493; Aug. 12.
Cathode-ray system with bright and dark marker indications. D. E. Kenyon. 2,425,330; Aug. 12.
Caustic solutions for treating gasoline, Regeneration of spent. D. C. Bond. 2,425,414; Aug. 12.
Chain: *See*—
  Traction chain.
Chamber adjusting tool. F. Nielsen. 2,425,536; Aug. 12.
Chimney cap. F. B. Charroin. 2,425,458; Aug. 12.
Chlorination. A. M. Clifford and J. R. Long. 2,425,509; Aug. 12.
Chloro cyanobutanes. J. G. Lichty. 2,425,432; Aug. 12.
Chocolate articles, Manufacture of. B. M. Le Vangie. 2,425,431; Aug. 12.
Chute actuating mechanism for concrete mixers. G. A. Fleischmann. 2,425,674; Aug. 12.
Ciphering apparatus. C. R. Doty. 2,425,518; Aug. 12.
Circuit: *See*—
  Electric valve control circuit. Electronic keying circuit.
  Electronic computing circuit. Deflection circuit.
  Lamp circuit.
  Transmission line circuit.
Circuit control, Single-phase motor starter. R. T. Cornelius. 2,425,459; Aug. 12.
Circulating system incorporating filtering means, Lubricant. C. C. S. LeClair. 2,425,700; Aug. 12.
Clamp for gauge housings. R. Stover. 2,425,444; Aug. 12.
Clamp for stretching wire, Wire. E. H. Lowery. 2,425,548; Aug. 12.
Cleaning and pickling of metals. W. H. Hill. 2,425,320; Aug. 12.
Cleaning device for spinning machines and the like, Suction. M. F. Thoma. 2,425,576; Aug. 12.
Clip: *See*—
  Electrical terminal clip.
Clothes line tightener. F. L. Lade and W. T. Irwin. 2,425,476; Aug. 12.
Coal-mining machine. C. E. Hair. 2,425,467; Aug. 12.
Coal-mining machine. R. T. Hair and C. F. Ball. 2,425,468; Aug. 12.
Coil construction. E. M. Soreng. 2,425,443; Aug. 12.
Coil for variometers, Spherical. E. E. Combs. 2,425,304; Aug. 12.
Coil, High frequency tuning. P. D. Zottu. 2,425,411; Aug. 12.
Coil winding machine, Toroidal. R. M. Conklin. 2,425,511; Aug. 12.
Collapsible golf club carrier. B. F. Schulte. 2,425,688; Aug. 12.
Comb, Clamp. J. E. McArthur. 2,425,435; Aug. 12.
Combination lock. A. C. Sanowskis. 2,425,646; Aug. 12.
Communication system. J. R. Desch, E. V. Gulden, and R. E. Mumma. 2,425,307; Aug. 12.

Concentric thread gauge. J. B. Lovick. 2,425,381; Aug. 12.
Condenser. R. B. Brock. 2,425,669; Aug. 12.
Contactor and relay, Shockproof. W. Schaelchlin and D. Ellis. 2,425,648; Aug. 12.
Container. I. L. Wilcox. 2,425,708; Aug. 12.
Container for explosives. J. E. Hodgson and E. V. Abel. 2,425,472; Aug. 12.
Container, Forming flanged or beaded. K. Palmer, R. E. Kugler, and H. M. Bryans. 2,425,390; Aug. 12.
Container with vent opening, Sheet metal. H. A. Fink. 2,425,609; Aug. 12.
Control mechanism for gun training apparatus. L. S. Linderoth, Jr. 2,425,433; Aug. 12.
Control method and arrangement for a two temperature refrigerator using a capillary expansion device. G. Muffly. 2,425,634; Aug. 12.
Control structure. L. B. Wagner. 2,425,447; Aug. 12.
Control system for aircraft turbosuperchargers. M. A. Edwards and H. M. Ogle. 2,425,607; Aug. 12.
Conveyor, Portable screw. A. W. Lewis and W. Glantz. 2,425,681; Aug. 12.
Coolant conditioning system. N. W. Morse. 2,425,703; Aug. 12.
Cooler: *See*—
  Dry air cooler. Milk cooler.
Coupler. K. S. Clapp. 2,425,692; Aug. 12.
Coupler for flowmeters or the like, Magnetic. N. Brewer. 2,425,691; Aug. 12.
Couplers for color photography, Nondiffusing. A. Bavley. 2,425,503; Aug. 12.
Coupling: *See*—
  Electric coupling. Trailer coupling.
  Flexible coupling. Valved coupling.
  Outlet box coupling.
Coupling. J. P. Johnson. 2,425,539; Aug. 12.
Covering, Protective. L. Lesser. 2,425,701; Aug. 12.
Crazing of flash heated shapes of polystyrene, Prevention of. F. E. Wiley. 2,425,501; Aug. 12.
Cream which, when applied to the skin, forms protective coating against flash burns, Composite. G. B. Fauley and A. C. Ivy. 2,425,311; Aug. 12.
Cuff, Protective. H. H. McCarl. 2,425,333; Aug. 12.
Cycloalkylacetic acids, Making. E. L. Pelston and A. A. Holzschuh. 2,425,343; Aug. 12.
Damping means for galvanometers, Frictional. A. J. Williams, Jr., and O. B. Tatman. 2,425,408; Aug. 12.
Dead reckoning device, Automatic. R. O. Rippere. 2,425,346; Aug. 12.
Deflection circuit. K. Schlesinger. 2,425,491; Aug. 12.
Device for deep fat frying. H. W. Kuehn and F. G. Wheeler. 2,425,699; Aug. 12.
Device for measuring wall thickness. G. Herzog. 2,425,533; Aug. 12.
Device for sharpening cutlery. W. E. Fleming. 2,425,369; Aug. 12.
Diaper. J. D. Hazen. 2,425,617; Aug. 12.
Direction control device. G. G. Ohlendorf. 2,425,558; Aug. 12.
Direction finder. L. E. Norton. 2,425,385–7; Aug. 12.
Disappearing hanger hook. O. A. Gaudino. 2,425,527; Aug. 12.
Dishwashing apparatus. L. A. Kempton. 2,425,620; Aug. 12.
Disk unit, Abrasive. A. J. Doermann. 2,425,368; Aug. 12.
Dispenser: *See*—
  Automatic article dispenser.
Dispenser for cigarettes. H. E. Musselman and W. H. Buck. 2,425,553; Aug. 12.
Dispensing apparatus. C. F. Pease. 2,425,487; Aug. 12.
Dispensing device. A. Hammerstein. 2,425,313; Aug. 12.
Distributor for refrigeration system. E. S. H. Baars. 2,425,452; Aug. 12.
Doll eye. D. Cohn. 2,425,510; Aug. 12.
Door: *See*—
  Rolling door.
Door structure, Counterbalanced. H. A. Davidson. 2,425,365; Aug. 12.
Dress. M. Nitzberg. 2,425,635; Aug. 12.
Drier for hats, Centrifugal. W. Lindsey. 2,425,546; Aug. 12.
Drop-leaf table. F. Giberson. 2,425,370; Aug. 12.
Dry air cooler. J. J. Booth. 2,425,417; Aug. 12.
Duster, Blast. A. R. Carnes. 2,425,419; Aug. 12.
Earth bores, Acidizing. D. C. Bond and G. W. Ayers. 2,425,415; Aug. 12.
Electric coupling. D. Jackson. 2,425,679; Aug. 12.
Electric discharge device and electrode assembly therefor. W. S. Brian. 2,425,593; Aug. 12.
Electric heater. G. M. Marr. 2,425,702; Aug. 12.
Electric valve control circuit. M. A. Edwards. 2,425,606; Aug. 12.
Electrical apparatus for separating the constituents of an oil-water system. C. H. M. Roberts. 2,425,355; Aug. 12.
Electrical conductors, Locating faults in. D. H. Nelson and J. R. Cosby. 2,425,554; Aug. 12.
Electrical terminal clip. L. W. Buell. 2,425,670; Aug. 12.
Electron discharge device system, Ultra high frequency. R. Sloss. 2,425,352; Aug. 12.
Electronic computing circuit. A. W. Vance. 2,425,405; Aug. 12.
Electronic keying circuit. F. M. Berry and W. R. Lewis. 2,425,667; Aug. 12.
Embossing device, Cap. W. H. Kagley. 2,425,374; Aug. 12.
Engine: *See*—
  Free piston engine.
Epilator. D. Herrmann and F. L. Haley. 2,425,696; Aug. 12.
Ethers, Production of cellulose. J. H. Sharphouse and J. Downing. 2,425,351; Aug. 12.
Ethylene, Polymerization of. M. D. Peterson. 2,425,638; Aug. 12.
Ethyleneurea, Preparation of. D. J. Loder. 2,425,627; Aug. 12.
Explosive. H. H. Fassnacht and C. A. Woodbury. 2,425,310; Aug. 12.
Facsimile synchronizing system. H. E. Hallborg and G. R. Clark. 2,425,616; Aug. 12.
Feed mechanism for writing machines, Front. W. A. Anderson. 2,425,451; Aug. 12.
Fiber processing apparatus. H. S. Messing and C. L. Durkee. 2,425,335; Aug. 12.
Filaments, etc., derived from synthetic linear polyamides, Modification of. D. McCreath. 2,425,334; Aug. 12.
Film hanger. H. M. Dye and R. B. Maddock. 2,425,603; Aug. 12
Film mechanism, Power-driven intermittent strip. O. R. Nemeth. 2,425,704; Aug. 12.
Films, Making clay. D. W. Light. 2,425,626; Aug. 12.
Firing mechanism for firearms. C. H. Barnes. 2,425,412; Aug. 12.
Fishhook. G. A. Zuravsky. 2,425,587; Aug. 12.
Fish lure. T. W. Urban. 2,425,658; Aug. 12.
Fishing float, Electric. G. H. Bidwell. 2,425,590; Aug. 12.
Fishing reel. O. S. Severson. 2,425,492; Aug. 12.
Flexible coupling. J. N. Wolfram. 2,425,662; Aug. 12.
Fluid-pressure apparatus for fabricating laminated assemblies. J. Young. 2,425,450; Aug. 12.
Fountain, Water. A. G. Royer. 2,425,643; Aug. 12.
Free piston engine. W. Kilchenmann. 2,425,375; Aug. 12.
Fruit jar lifter. W. A. Root. 2,425,395; Aug. 12.
Fuel components, Production of premium aviation. S. R. Bethea. 2,425,506; Aug. 12.
Fuel pressure responsive burner control system. F. B. Aubert. 2,425,589; Aug. 12.
Fungicidal compositions. W. S. Hinegardner and N. D. Scott. 2,425,677; Aug. 12.
Fungicidal compositions. W. S. Hinegardner and J. F. Walker. 2,425,678; Aug. 12.
Gage: *See*—
  Concentric thread gauge.
Galvanometer. H. W. Washburn. 2,425,407; Aug. 12.
Garment hanger. C. A. Isaacson. 2,425,475; Aug. 12.
Garment hanger. H. M. Lipsitz. 2,425,547; Aug. 12.
Garment, Infants'. O. Sieloff. 2,425,402; Aug. 12.
Garment, Overall type. W. H. Davis. 2,425,460; Aug. 12.
Garment, Pull-over. G. K. Manus. 2,425,480; Aug. 12.
Garment unloading device. J. P. Jorgenson. 2,425,618; Aug. 12.
Garter. E. V. Le Blanc. 2,425,479; Aug. 12.
Gauge: *See*—
  Concentric thread gauge.
Gear: *See*—
  Retractile wing and landing gear.
Glass, Fluogermanate. K. Sun. 2,425,403; Aug. 12.
Glass, Laminated safety. J. D. Ryan and F. B. Shaw. 2,425,568; Aug. 12.
Grab, Automatic. A. T. Deily. 2,425,421; Aug. 12.
Grinding wheel dressing tool. R. R. Bavosi. 2,425,453; Aug. 12.
Guanidine derivative and preparing the same. S. Kushner and L. Brancone. 2,425,376; Aug. 12.
Guard device for circular-saw table sawing machine. L. F. Kramer. 2,425,331; Aug. 12.
Gun-loading mechanism. B. Jorgensen. 2,425,425; Aug. 12.
Gun mount, Mobile. J. M. J. Riboud. 2,425,563; Aug. 12.
Gun positioning system. J. F. Joy. 2,425,329; Aug. 12.
Gyroscopic horizon. F. D. Braddon. 2,425,300; Aug. 12.
Hammer, Tack. A. M. Taylor. 2,425,494; Aug. 12.
Handle for cook pots. H. Eckhoff. 2,425,604; Aug. 12.
Hanger: *See*—
  Film hanger. Garment hanger.
Heater: *See*—
  Electric heater.
  Internal-combustion airplane heater.
Helicopter rotor with blade-balancing mechanism. E. A. Stalker. 2,425,650; Aug. 12.
Hitch, Tractor. K. Wilson. 2,425,449; Aug. 12.
Hobbyhorse. H. C. Dollar. 2,425,517; Aug. 12.
Hoist. M. Wooldridge. 2,425,663; Aug. 12.
Holder and sharpener for kitchen knives, Combination. L. M. Simonson. 2,425,571; Aug. 12.
Hook: *See*—
  Disappearing hanger hook.
Hydrocarbon cracking catalyst with normally gaseous olefins, Pretreatment of reactivated. C. B. Moser. 2,425,482; Aug. 12.
Hydrocarbons, Alkylation of. L. U. Franklin. 2,425,462; Aug. 12.

Hydrocarbons, Catalytic conversion of. A. D. Garrison. 2,425,463; Aug. 12.
Hydrocarbons, Catalytic conversion of. E. F. Nelson. 2,425,555; Aug. 12.
Hydrocarbons, Catalytic conversion of alkyl aromatic. H. J. Passino and H. G. McGrath. 2,425,559; Aug. 12.
Hydrocarbons, Production of. A. C. Nixon and O. L. Davis. 2,425,340; Aug. 12.
Hydrofluoric salts of basic triarylmethane dyestuffs. A. E. Schaefer. 2,425,569; Aug. 12.
Hydrogen, Preparation of. A. T. Larson. 2,425,625; Aug. 12.
Ignition testing device. J. W. Horton. 2,425,321; Aug 12.
Impact wrench. C. E. Fitch. 2,425,427; Aug. 12.
Implement or tool. T. R. Arden. 2,425,665; Aug. 12.
Index of refraction of thin layers of transparent material, Method and apparatus for measuring the. L. T. Sachtleben. 2,425,399; Aug. 12.
Indicator: *See*—
Photoelectric drift indicator.
Inhaling device. O. Lardinois. 2,425,624; Aug. 12.
Inking mechanism for printing presses. C. A. Harless. 2,425,529; Aug. 12.
Inner sole, Plastic. B. Oestricher. 2,425,388; Aug. 12.
Inorganic impurities from mineral oils, preparatory to catalytic cracking, Removing. C. E. Hemminger. 2,425,532; Aug. 12.
Insecticide. E. Harvill. 2,425,530; Aug. 12.
Insulation, Method and apparatus for making flexible. P. F. McDermott. 2,425,293; Aug. 12.
Internal-combustion airplane heater. H. De N. McCollum. 2,425,630; Aug. 12.
Iron: *See*—
Steam electric iron.
Isoparaffins, Preparation of. D. C. Bond and M. Savoy. 2,425,416; Aug. 12.
Jacket for liquid cooling of glass tubes, Flexible, rubber-like. I. W. Cox. 2,425,599; Aug. 12.
Joint: *See*—
Welded joint.
Joint for electric cable with plastic sheath, Terminal. G. Haim and H. P. Zade. 2,425,528; Aug. 12.
Juices, Treatment of fruit and vegetable. H. G. Schwarz. 2,425,689; Aug. 12.
Kit, Gun-rod. J. Bloch. 2,425,455; Aug. 12.
Knob, Plastic door. F. E. Frost and E. A. Pavlis. 2,425,611; Aug. 12.
Laminated structures. H. E. Schroeder. 2,425,349; Aug. 12.
Lamp: *See*—
Low-temperature luminescent lamp.
Lamp circuit. C. E. Atkins and F. Furedy. 2,425,297; Aug. 12.
Leakage in oil wells, Detecting. N. G. Haseltine and M. Bock. 2,425,531; Aug. 12.
Lens system, High aperture collimating. W. Schade. 2,425,400; Aug. 12.
Lifter: *See*—
Fruit jar lifter.
Link device, Flexible. E. Popper. 2,425,639; Aug. 12.
Liquid from a slurry by maintaining a slurry circulation including a flow of slurry adjacent the separation interface, Apparatus and process for improving separation of clarified. W. H. Green. 2,425,372; Aug. 12.
Liquid from a slurry by subdividing the slurry at the separation interface into a plurality of shallow streams, Apparatus and process for improving separation of clarified. W. H. Green. 2,425,371; Aug. 12.
Loader. J. N. Fees. 2,425,695; Aug. 12.
Lock: *See*—
Combination lock.
Releasable glider tow cable coupling lock.
Lock for tools, Handle. E. C. Neal. 2,425,437; Aug. 12.
Low-temperature luminescent lamp. R. C. Hultgren. 2,425,697; Aug. 12.
Lubricants, Diamide textile. E. A. Robinson and M. J. Kelley. 2,425,392; Aug. 12.
Lubricants, Hydroxylated polyamide textile. E. A. Robinson and M. J. Kelley. 2,425,393; Aug. 12.
Lubricating apparatus. E. W. Davis. 2,425,515; Aug. 12.
Luggage carrier. G. J. Mayer. 2,425,629; Aug. 12.
Machine stop. W. O. O'Neal. 2,425,438; Aug. 12.
Mandrel, Tube-bending. R. F. Attridge and E. J. Blouin. 2,425,298; Aug. 12.
Manganese from calcium, Removing. D. A. Tetu. 2,425,705; Aug. 12.
Mask for typewriter or like machine. L. C. Myers. 2,425,485; Aug. 12.
Material handling apparatus. G. B. Palmer. 2,425,342; Aug. 12.
Measurement of thickness. K. C. Crumrine. 2,425,512; Aug. 12.
Microphone, Submarine signal. W. J. Brown. 2,425,594; Aug. 12.
Milk cooler. J. F. Carter. 2,425,596; Aug. 12.
Milk cooler. G. R. Duncan. 2,425,519; Aug. 12.
Mixer: *See*—
Mud mixer.
Mold rack. H. P. Finley. 2,425,610; Aug. 12.
Molding machine, Bread. M. A. Sticelber. 2,425,356; Aug. 12.
Mono- and unsymmetrical disubstituted guanidines. Production of. J. H. Paden and A. F. MacLean. 2,425,341; Aug. 12.
Motor control system. T. C. Gower. 2,425,312; Aug. 12.
Motor control system, Antidisparity. W. R. Schall, Jr., and L. H. Van Dermark. 2,425,442; Aug. 12.
Motor starting and protective apparatus. J. D. Bolesky and L. W. Buell. 2,425,668; Aug. 12.
Motor system, Selsyn controlled electric. M. A. Edwards. 2,425,605; Aug. 12.
Motor vehicle. G. R. McIntosh. 2,425,631; Aug. 12.
Mounting for trucks, Conveyor. J. G. Tullis. 2,425,656; Aug. 12.
Mud mixer. R. E. Fontenot and R. H. Dooley. 2,425,524; Aug. 12.
Multiconductor structures, Making insulated. J. T. Morgan. 2,425,294; Aug. 12.
Musical instrument. P. McAuliffe. 2,425,436; Aug. 12.
Nitrous oxide, Production of. R. A. Vingee. 2,425,582; Aug. 12.
Nongelatin emulsions and improved nongelatin emulsion fixing baths, Procedure for fixing. J. I. Crabtree and G. T. Eaton. 2,425,363; Aug. 12.
Oil remover or wiper. S. Friedman. 2,425,526; Aug. 12.
Oil separator. A. Zeitlin and L. Robbins. 2,425,410; Aug. 12.
Outlet box coupling. E. A. Lefebre. 2,425,545; Aug. 12.
P-nitrophenyl dichloroisobutyl ether. W. F. Hester and W. E. Craig. 2,425,534; Aug. 12.
Packaging and forming the same. G. R. Browner. 2,425,301; Aug. 12.
Packing ring. C. C. Smith. 2,425,649; Aug. 12.
Packing strip applying machines, Detecting and ejecting. P. E. Pearson. 2,425,637; Aug. 12.
Paper, Decalcomania. J. W. Stewart. 2,425,653; Aug. 12.
Paper money sorting machine. T. E. Hayes. 2,425,318; Aug. 12.
Paraffins from iso-paraffins by means of activated cocoanut charcoal, Separation of normal. H. J. Hibshman. 2,425,535; Aug. 12.
Pendulum type telegraph key, Electromagnetically operated. B. H. Breedlove. 2,425,457; Aug. 12.
Phenyl and tolyl alpha-acetoxypropionate and their preparation. E. M. Filachione and C. H. Fisher. 2,425,523; Aug. 12.
Phonograph, Electric. L. D. Norton. 2,425,486; Aug. 12.
Photoelectric drift indicator. H. Konet. 2,425,541; Aug. 12.
Pin supporting means for firearms, Firing. C. C. Loomis. 2,425,434; Aug. 12.
Pipe handling apparatus. C. J. McCoy. 2,425,292; Aug. 12.
Pipe lines, Method and apparatus for salvaging. A. M. Hill, E. J. Miller, and E. G. Baker. 2,425,373; Aug. 12.
Piston cooling in free-piston units. W. A. Ledwith. 2,425,544; Aug. 12.
Plateholder, Quartz oscillator. L. R. Morse. 2,425,481; Aug. 12.
Plug coupling apparatus. O. S. Field. 2,425,608; Aug. 12.
Pocket case. M. Kaplan. 2,425,540; Aug. 12.
Pocket pen and pencil protector. F. W. Quidas. 2,425,561; Aug. 12.
Pointer return device. C. A. de Giers and A. Edelman. 2,425,366; Aug. 12.
Polishing machine for tableware. E. M. Hanrahan and W. A. Mertins. 2,425,469; Aug. 12.
Polyhalogeno aliphatic nitriles. R. M. Joyce, Jr. 2,425,426; Aug. 12.
Polymerization. C. E. Barnes. 2,425,666; Aug. 12.
Polymerizing. G. S. Crandall and C. H. Schlesman. 2,425,671; Aug. 12.
Polynitroparaffins, Preparation of. W. I. Denton, R. B. Bishop, E. M. Nygaard, and T. T. Noland. 2,425,367; Aug. 12.
Prediction apparatus. H. Harris, Jr. 2,425,317; Aug. 12.
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Printing plates on carriers, Retaining. C. J. Hueber. 2,425,324; Aug. 12.
Printing press. C. R. Kaddeland. 2,425,680; Aug. 12.
Projector, Electric abrasive. A. Dutoit. 2,425,520; Aug. 12.
Propeller, Flexible, variable-diameter. L. Spitzer, Jr. 2,425,353; Aug. 12.
Protective device. C. W. Kuhn and T. F. Rosing. 2,425,623; Aug. 12.

Protector: *See*—
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Protein products, Making oriented regenerated. H. P. Lundgren. 2,425,550; Aug. 12.
Pulse communication system. J. B. Atwood and H. O. Peterson. 2,425,315; Aug. 12.
Pulse communication system. C. W. Hansell. 2,425,314; Aug. 12.
Pulse relay testing system. J. C. Coykendall. 2,425,600; Aug. 12.
Pulse repeater system. O. E. Dow. 2,425,316; Aug. 12.
Pump. D. D. Donaldson. 2,425,423; Aug. 12.
Pyrometer. J. A. Obermaier. 2,425,557; Aug. 12.
Pyrrole and pyridine bases, Separating. G. Riethof. 2,425,440; Aug. 12.
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Radio direction finding. D. G. C. Luck. 2,425,383; Aug. 12.
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Refrigerated display case. H. A. Morris. 2,425,295; Aug. 12.
Refrigerator, Two-level. J. H. Benson. 2,425,505; Aug. 12.
Registering and trimming of printing plates. I. Tornberg and C. L. Ricar. 2,425,580; Aug. 12.
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Regulator for generators, Voltage. J. W. Allen. 2,425,296; Aug. 12.
Regulator mechanism for vehicle windows or the like, Hydraulic. J. B. Parsons. 2,425,391; Aug. 12.
Relay with adjustable armature mounting. F. X. Rees. 2,425,562; Aug. 12.
Releasable glider tow cable coupling lock. C. E. Ennis. 2,425,309; Aug. 12.
Retractile wing and landing gear. J. S. Conner. 2,425,306; Aug. 12.
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Rubber and resorcinol-formaldehyde resol, Mixture of cyclized. H. E. Schroeder. 2,425,348; Aug. 12.
Safety adjustable pipe stabbing board. C. L. Calhoun. 2,425,302; Aug. 12.
Salts of N.N¹-di-(sulfoalkyl)-4.4¹-diaminodiphenylsulfones and preparation, Water soluble. F. L. Rose. 2,425,396; Aug. 12.
Sanitary garbage can. C. R. Gambler. 2,425,612; Aug. 12.
Sash balance. A. Viehweger. 2,425,659; Aug. 12.
Scraper, Carrying. P. Zakel. 2,425,664; Aug. 12.
Scraping apparatus. G. E. Daniels. 2,425,601; Aug. 12.
Screen: *See*—
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Screw roller, Automatic divergent sorting and gauging. M. Lawton and P. Rosenberg. 2,425,478; Aug. 12.
Seat control, Reclining. W. E. Morey and R. G. Nichols. 2,425,632; Aug. 12.
Self-sealing fuel tank. P. J. Dasher, R. A. Crawford, and R. S. Colley. 2,425,514; Aug. 12.
Separator: *See*—
Oil separator.
Vortex dust separator.
Separator, especially for carburetor air intake ducts, Dust. T. H. Chilton and C. E. Lapple. 2,425,508. Aug. 12.
Shampooing apparatus. A. R. Czajcinski and H. R. Sparks. 2,425,513; Aug. 12.
Shear, Electrically driven rotary. E. S. Murrah. 2,425,484; Aug. 12.
Shedding means, Hydraulic. T. Hindle. 2,425,676; Aug. 12.
Shield or helmet, Welding head. J. Strong. 2,425,690; Aug. 12.
Shipping and display box. G. J. Hofeldt and C. W. Lofgren. 2,415,536; Aug. 12.
Shoe and making the same. J. D. Chandler. 2,425,420; Aug. 12.
Shoes, Making. K. A. Stritter. 2,425,445; Aug. 12.
Short-wave apparatus. H. Tunick. 2,425,657; Aug. 12.
Silicon tetrachloride and carbon disulphide, Manufacture of. A. Belchetz. 2,425,504; Aug. 12.
Sleep by creating the illusion of a winking eye, Producing. C. W. Johnson. 2,425,538; Aug. 12.
Solder filled jewelry finding, Making. F. A. Ballou, Jr. 2,425,299; Aug. 12.
Spindle automatic machine, Single. A. E. Drissner and K. W. Barkinen. 2,425,308; Aug. 12.
Spot setting device. G. Wolff. 2,425,586; Aug. 12.
Spray coating articles, Method and apparatus for. W. A. Starkey. 2,425,652; Aug. 12.
Spring and friction shock absorbing mechanism, Railway draft. G. E. Dath. 2,425,364; Aug. 12.
Steam electric iron. H. W. Clum. 2,425,598; Aug. 12.
Stiffener, Shank. F. P. Wagner. 2,425,707; Aug. 12.
Stoker apparatus. D. J. Mosshart. 2,425,633; Aug. 12.
Stoker apparatus. L. C. Neufeld. 2,425,339; Aug. 12.
Stool, Milk. M. Black. 2,425,413; Aug. 12.
Stopper, Pipe-line. F. H. Mueller and J. J. Smith. 2,425,483; Aug. 12.
Strand tensioning apparatus. E. E. Franz. 2,425,525; Aug. 12.
Stretchwrapping device. J. F. Vincent. 2,425,581; Aug. 12.
Stud, Adjustable fastener. L. Parkin. 2,425,636; Aug. 12.
Suction method of gathering molten glass. G. R. Bowe, Jr. 2,425,592; Aug. 12.
Suds-lock decreasing means for spinner type clothes washing machines. C. A. Lindemann. 2,425,378; Aug. 12.
Sulfatopropionamid and preparation of acrylic acid. H. S. Davis, M. Lichtenwalter, and J. G. Erickson. 2,425,694; Aug. 12.
Sulphuration. J. W. Church. 2,425,597; Aug. 12.
Support for gimbal carried instruments, Cantilever. E. W. Drescher. 2,425,602; Aug. 12.
Supporting means for the moving elements of electrical indicating instruments. H. Butler. 2,425,595; Aug. 12.
Surface finishing. R. C. Pruitt, E. F. Fowle and R. S. Iglehart. 2,425,640; Aug. 12.
Switch system to prevent arcing of contacts. M. A. Scheg and O. H. Dicke. 2,425,570; Aug. 12.
Switching and modulation system. F. A. Jenks and D. F. Folland. 2,425,328; Aug. 12.
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Tank: *See*—
Self-sealing fuel tank.
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Telephone system, Two-way. B. A. Trevor and J. B. Atwood. 2,425,495; Aug. 12.
Temperature regulator. L. M. Puster. 2,425,439; Aug. 12.
Terminal for hermetic compressors, Electric. J. Touborg. 2,425,404; Aug. 12.
Tertiary alkoxy acetonitriles, Preparation of. W. F. Gresham. 2,425,615; Aug. 12.
Testing apparatus, Magnetic. R. W. Brown. 2,425,361; Aug. 12.
Textile machine construction. M. F. Thoma. 2,425,577; Aug. 12.
Therapeutic device. E. H. Tompkins. 2,425,655; Aug. 12.
Thermoelectric current generating device. E. F. Sarver. 2,425,647; Aug. 12.
Thermostat, Compensating. U. U. Savolainen. 2,425,687; Aug. 12.
Thermostatic control of electric heating pads. M. E. Porter. 2,425,686; Aug. 12.
Thorium and the rare-earth group from minerals, Separation of. F. Soddy. 2,425,573; Aug. 12.
Timing apparatus. T. B. Gibbs. 2,425,613; Aug. 12.
Tool: *See*—
Camber adjusting tool.
Grinding wheel dressing tool.
Toolholder. H. C. Wilson. 2,425,409; Aug. 12.
Tool orienting method and apparatus. D. Hering. 2,425,319; Aug. 12.
Toothbrush holder. J. A. Toombs. 2,425,579; Aug. 12.
Toy, Animated. G. F. Helgren. 2,425,471; Aug. 12.
Toy, Figure. L. E. Hansen. 2,425,429; Aug. 12.
Track wheel. J. Kuchar. 2,425,698; Aug. 12.
Traction chain. J. W. Rutledge. 2,425,644; Aug. 12.
Trailer coupling. E. Ellberg. 2,425,521; Aug. 12.
Transformer and reactor, Combined. C. W. Kronmiller. 2,425,622; Aug. 12.
Transmission line circuit. N. E. Lindenblad. 2,425,379; Aug. 12.
Transmission system, Microwave. D. H. Ring. 2,425,345; Aug. 12.
Truck assembly hook device, Freight car. J. D. Thress. 2,425,706; Aug. 12.
Tube with shielded deflecting plates, Cathode-ray. G. Liebmann. 2,425,682; Aug. 12.
Tunable system, Tracking. A. Bloch. 2,425,454; Aug. 12.
2-(aminobenzenesulfonamido)-4-hydroxy-5,6,7,8-tetrahydro-hydroquinazoline. J. H. Hunter and A. H. Nathan. 2,425,326; Aug. 12.
Unloading apparatus. G. L. Cherry and C. C. Veale. 2,425,362; Aug. 12.
Valve for fluid pressure brakes, Initial quick charging. T. H. Birch. 2,425,591; Aug. 12.
Valve for lubrication. F. A. Terry. 2,425,446; Aug. 12.
Valve mechanism, Selector. C. B. Livers. 2,425,380; Aug. 12.
Valved coupling. E. B. Wiggins. 2,425,500; Aug. 12.
Vehicle: *See*—
Motor vehicle.
Veneer, Method and apparatus for making paper-covered. R. N. Ware, Jr. and R. Cannon. 2,425,660; Aug. 12.
Vibration absorption block. C. S. Robinson. 2,425,566; Aug. 12.

Vibration absorption device. C. S. Robinson. 2,425,567; Aug. 12.
Vibration absorption unit. C. S. Robinson. 2,425,565; Aug. 12.
Vibration dampening device. H. A. Storch. 2,425,654; Aug. 12.
Vibrator. F. E. Knipper. 2,425,621; Apr. 12.
Vinyl esters, Manufacture of. H. F. Oxley, E. B. Thomas, and W. G. B. Mills. 2,425,389; Aug. 12.
Voltmeter, Vacuum tube bridge. J. Remde. 2,425,641; Aug. 12.
Vortex dust separator. W. Alexander. 2,425,588; Aug. 12.
Wall structure, Building. C. H. Juergens. 2,425,619; Aug. 12.
Washable fabric lunch bag. E. L. Martin. 2,425,683; Aug. 12.
Water purifier, Electrolytic. T. C. Jones. 2,425,424; Aug. 12.
Welded joint. K. V. Hart. 2,425,470; Aug. 12.
Wheel: *See*—
Abrasive wheel.
Track wheel.
Wheel assembly for tractors, Caster. E. D. De Witt. 2,425,516; Aug. 12.
Wheel rotating mechanism. E. W. Volk. 2,425,583; Aug. 12.
Winder drive. R. Tyler. 2,425,496; Aug. 12.
Wing-body structure for airplanes. M. Watter. 2,425,499; Aug. 12.
Wrench: *See*—
Impact wrench.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 12, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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CASPER W. OOMS, *Commissioner*

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Plant Patents	2	No. 752	to No. 753	inclusive
Patents	449	No. 2,425,709	to No. 2,426,157	inclusive
Designs	47	No. 147,312	to No. 147,358	inclusive
Total	889			

Patents expiring: Patent Numbers 1,773,088 to 1,773,712, inclusive, issued August 19, 1930, expire August 19, 1947

Condition of Applications Under Examination at Close of Business Aug. 1, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,290; Trade-Mark Division, 13,078. Oldest new case, Sept. 21, 1945; oldest amended, Sept. 21, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	Applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 25	Jan. 12	3074
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 12	3689
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Apr. 27	May 1	1710
4. BISHOP, Walter C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Feb. 25	Feb. 21	3293
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sept. 21	*Sept. 21	3766
6. SURLE, H., Carbon Chemistry (part)	July 1	July 12	2162
7. HANLIN, GEORGE, Optics; Photographic Apparatus	Aug. 21	Sept. 12	1681
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Jan. 31	Mar. 1	4099
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 28	*Dec. 15	2192
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Apr. 3	May 9	1230
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Oct. 17	Oct. 17	847
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Apr. 1	Feb. 19	2101
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 13	*Nov. 5	2316
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 31	May 28	1304
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Oct. 26	*Nov. 3	2016
16. LOVEWELL, N. N., Telegraphy; Telephony	May 9	June 20	1429
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 9	Mar. 15	1463
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	*Nov. 11	*Nov. 30	1629
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 27	1766
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes.	*Dec. 12	Jan. 12	1838
21. MADER, R. C. (Acting), Textiles	Sept. 19	Sept. 26	897
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Feb. 7	Feb. 4	1973
23. LEWIS, J. B., Cash Registers; Calculators (part)	*Oct. 12	*Oct. 18	1155
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Nov. 29	Nov. 25	1714
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Feb. 16	Feb. 13	1739
26. YOUNG, R. R., Electricity—Generation and Motive Power	Feb. 1	Jan. 23	2230
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Mar. 6	Mar. 1	2657
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Feb. 5	Feb. 8	1333
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 19	Mar. 28	2746
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Apr. 3	Apr. 4	2571
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Sept. 28	Sept. 30	1114
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 15	Feb. 18	2584
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 20	*Nov. 20	3334
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 12	Jan. 25	1401
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Feb. 15	Apr. 15	2474
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Nov. 30	*Dec. 10	1886
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 11	Apr. 11	1598
38. ARNOLD, D. (Acting), Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	Apr. 5	Apr. 6	1606
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Nov. 2	*Nov. 2	2716
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Apr. 8	2924
41. HERTZ, M., Typewriting Machines; Recorders; Counters, Calculators (part); Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	721
42. MARANS, H., Electric Signaling	Nov. 15	Oct. 3	783
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 11	July 24	971
44. HARVEY, L. P., Refrigeration; Preserving	*Dec. 21	*Dec. 5	1363
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Jan. 7	Jan. 4	2404
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 14	Apr. 1	1460
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	Mar. 9	Mar. 11	2078

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,200; Trade-Mark Division, 13,078. Oldest new case, Sept. 21, 1945; oldest amended, Sept. 21, 1945.)

(The dates given are 1946 except where * indicates 1945 and † indicates 1947.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		Applications awaiting action
	New	Amended	
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Jan. 5	Jan. 18	1834
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 29	Apr. 1	1534
50. LEVIN, SAMUEL, Synthetic Resins	June 12	June 14	2618
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Mar. 2	Mar. 5	2004
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Apr. 24	Apr. 15	3539
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Jan. 16	Jan. 11	4059
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 4	May 16	2133
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	Jan. 15	Feb. 8	1332
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	Aug. 12	Aug. 24	1292
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	*Dec. 28	Jan. 5	3333
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 2	May 17	1289
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Dec. 11	*Dec. 7	2120
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	May 21	2069
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 22	2953
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	*Dec. 22	Jan. 8	1871
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Apr. 3	Jan. 26	2209
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Oct. 17	Oct. 17	1811
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Insulators and Connectors	May 18	May 24	1102
66. LISANN, L., Geometrical Instruments	*Oct. 17	*Oct. 18	2261
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	*Dec. 1	Jan. 23	1831
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	Mar. 4	Mar. 15	1662
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.	*Nov. 26	*Nov. 27	1328
Trade-Marks: MERCHANT, J. H.	Oct. 28	†Jan. 2	13078
Designs: BREHM, G. L. (Acting)	Apr. 3	†Jan. 6	9077

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE RUBEN

No. 5,239. Decided February 11, 1947. Petition for rehearing denied April 18, 1947

[160 F.(2d) 559; 73 USPQ 220]

PATENTABILITY—METHOD—DIFFERING ONLY IN STATEMENT OF RESULT.

Where it is old in the art to immerse a regenerated cellulose sheet in hot water to remove impurities, and where patentability of the claimed method depends upon the expression "maintaining a co-relation between the temperature of the water and the time of immersion of the sheet to effect substantial removal of soluble impurities from the latter," *Held* that there must be some co-relation in the prior art process between temperature and time, and *Held* further that the claims do not patentably distinguish, because in effect they state merely the result desired.

SAME—SAME—SAME.

Where one endeavoring to practice the invention as defined in the rejected claims would be compelled to experiment until he was able to determine the length of time necessary to obtain the desired result, *Held* that the claims do not clearly or properly distinguish from the prior art.

SAME—SAME.

Certain claims to a method of treating regenerated cellulose sheet for improving its electrical characteristics, *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Watson, Bristol, Johnson & Leavenworth (*Leonard A. Watson* and *Norman W. Schuttler* of counsel) for Ruben.

W. W. Cochran (*R. F. Whitehead* and *Joseph Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant filed in the United States Patent Office an application for a patent for new and useful improvements in an "Electrostatic Condenser." The application is stated therein to be a continuation-in-part of his two co-pending applications, Serial No. 256,668, filed February 16, 1939, and Serial No. 288,944, filed August 8, 1939.

The Primary Examiner allowed claims 21, 22, 24, and 25 and finally rejected claims 26 to 32, inclusive. All of the claims are directed to a process.

Prior to the decision of the Board of Appeals an affidavit was filed on behalf of appellant for the purpose of sustaining his contentions that the Primary Examiner had erred in his rejections. The Board reversed that part of the decision of the Examiner rejecting claims 30, 31, and 32 and affirmed his rejection with respect to claims 26 to 29, inclusive.

Appellant requested reconsideration of the Board's decision as to claims 26 and 27 and submitted claims 33 and 34, stated to be claims 28 and 29 in amended form. The Board adhered to its previous decision as to claims 26 and 27 and held proposed claim 34 to be in the same class as those two claims. Claim 33, however, was held to be allowable and its entry and allowance were recommended.

Appellant appealed here from both decisions of the Board and the issue before us involves claims 26, 27, and 34. They read as follows:

26. The method of treating regenerated cellulose sheet for improving its electrical characteristics as a dielectric spacer in electrostatic condensers and the like, which comprises, immersing said sheet in water at a temperature above about 40° C., maintaining a co-relation between the temperature of the water and the time of immersion of the sheet to effect substantial removal of soluble impurities from the latter, and thereafter drying said sheet.

27. The process of reducing the power factor and increasing the resistance of regenerated cellulose which has been made into sheet form and dried which comprises the steps of dialyzing said film to remove soluble impurities by passing said film through a bath of water at a temperature between 40° C. and 100° C. and maintaining a co-relation between the temperature of the water and the time of immersion of the sheet to effect substantial removal of soluble impurities from the latter and thereafter drying said sheet.

34. The method of treating regenerated cellulose film, which comprises the steps of dialyzing said film in water at a temperature above about 40° C. for a period of time so co-related to the temperature as to insure substantial removal of soluble dielectrically harmful impurities from said film, then removing and uniformly drying said film to produce a smooth dry sheet, said sheet having a power factor of not more than 0.5% at 20° C. when used as a dielectric spacer in a condenser subjected to commercial 60 cycle A. C. voltage.

While the general object of the invention is to provide for "* * * an electrostatic condenser employing a sheet dielectric of regenerated cellulose having improved dielectric properties," one of the objects of the invention is the treatment of regenerated sheet cellulose to be used commercially as a dielectric spacer in electrostatic condensers. That treatment is generally illustrated in the above-quoted claims.

The Examiner rejected claims 26 and 27 as being indefinite, stating that the time of treatment therein to be stated only in terms of the desired result and further that such indefinite limitation is unnecessary for the reason that in the allowed claims there are specific limitations of time.

In rejecting claims 28 and 29 (reformed claims 33 and 34) the Examiner held them to be unpatentable over either of the following references: Brandenberger, 981,368, January 10, 1911; Brandenberger, 1,601,289, September 28, 1926.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

The Brandenberger Patent No. 981,368 relates to a process for the manufacture of cellulose films of an indefinite length in a continuous manner. The process begins with a water solution of cellulose, particularly cellulose xanthate. After the film has been formed in the solution by coagulation with sulphate of ammonia or other suitable salts it is treated for the purpose of removing all the impurities formed as well as to render the film insoluble in water. The last step of the process consists of washing the film in cold and hot water. No temperature is given for the hot water. Neither is the length of time for washing mentioned.

The Brandenberger Patent No. 1,601,289 is directed to a process of producing in a continuous manner strips or films of regenerated cellulose obtained from sodium cellulose xanthate, termed in the patent generally as "viscose." The coagulation of the viscose may be obtained by means of a bath containing an aqueous solution of sulphate of ammonia, a mixture of that sulphate and an acid, a mixture of the sulphate and a base, bisulphate of soda or sulphate of soda with an acid added thereto, or magnesium sulphate or zinc sulphate. The patent also discloses that any two normal sulphates in combination may be used. The composition of the bath is to be determined by its temperature, condition of the viscose as to being matured or ripened and composition thereof, desired thickness of the film and the time within which the viscose is in contact with the coagulating solution.

One of the last steps in the process is the washing of the film, preferably with hot water at a temperature of up to 100° C. The length of time that the film is subjected to hot water treatment is not disclosed. The baths to which the viscose is subjected are for the purpose of purifying the film as in his former referred to patent.

In his rejection of claims 28 and 29 the Examiner held that since they contained no definite time of treatment in connection with temperature limitations, they do not distinguish over either of the references.

It is not necessary to discuss the rejection by the Examiner of claims 30 to 32, inclusive, because they were held to be allowable by the Board.

In the affidavit it is stated that the dielectric spacer of Ruben differs from the ordinary commercial sheet of Cellophane in that it is prepared by a distinctive method comprising dialyzing. A sheet of conventional regenerated cellulose is said to contain ionizable impurities within its cellular structure and the dialyzing consists in substantially removing such impurities by the immersion of the sheet in water heated to a specified elevated temperature. It is stated that the washing of the film according to the conventional method merely removes impurities from its surface but not from within the structure in any substantial amount and that the process of appellant supplements the conventioned process used in the manufacture of Cellophane.

The affiant discussed the Brandenberger patents stating that the patentee appreciated none of the problems solved by appellant and that those patents relate merely to the production of Cellophane and not to dialyzed regenerated cellulose dielectric sheets.

In affirming the Examiner the Board pointed out that not only was the claimed temperature of 40° C. or higher important, but also that the time of immersion of the film in hot water was important, although variable within wide ranges in accordance with different temperatures of the water and different thicknesses of the films. The Board stated that the prior art discloses washing the film in hot water at temperatures contemplated by appellant and without limiting the time of immersion so that in order to distinguish his invention over the prior art, appellant must define in his claims a specified critical difference therefrom with respect to the length of time the film is subjected to the action of hot water. The Board held, because in the rejected claims there is no minimum limitation of washing time, but in effect merely a statement of the result desired, that the claims do not patentably distinguish from the references.

The Board in its first decision with reference to the affidavit merely stated that according to the expert who made the affidavit, persons following the teachings of the prior art in all probability would continue the hot water wash for such a short time (about 20 seconds) as to fail in dialyzing out ionizable impurities.

It may be noted, from a reading of the rejected claims and the disclosures of the prior art, that it is impossible to determine how long the cellulose sheet is to be washed or immersed in hot water. It is clear that the immersion of the film in hot water at a temperature up to 100° C. is disclosed in the prior art, but it seems to us that "* * * maintaining a co-relation between the temperature of the water and the time of immersion of the sh[illegible] to effect substantial removal of soluble impurities from the latter, * * *" is, as stated by the Board, setting out the result to be obtained. We believe that one endeavoring to practice the invention as defined by the rejected claims would be compelled to experiment with the film in the bath until he was able to determine the length of time necessary for dialyzation. We are confirmed in this belief for the reason that in the specification it is disclosed that the time within which the dialyzing is accomplished may be shortened by the application of an electrical potential difference across the film and its dialyzing bath. Employing the film as an anode, the completeness of dialysis is indicated by means of a calorimetric indicator. It is apparent that it is necessary to know when the dialyzing process has been completed. When both temperature and time are set out such result seemingly is known, but without such time limitations, as in the involved claims, it would necessarily require experiments to determine desired results. It may also be stated that in all of the allowed claims and claim 34, recommended for allowance by the Board of Appeals, definite times of immersion are stated with the minimum of 45 seconds and a maximum of at least one minute.

It is probably true, as stated in the affidavit, that Brandenberger had no conception of the problem successfully attacked by appellant. Nevertheless it would appear from the affidavit that if the cellulose sheet of the patentee remained long enough in hot water substantially complete dialyzation would necessarily take place.

There must be some co-relation in the Brandenberger processes between the temperature of the hot water and the time during which the film remains therein. Otherwise the hot bath could not function for its purpose of purification. If there is a critical difference, as contended by appellant, between the co-relation of the time and temperature of the Brandenberger processes and that present in the rejected claims, such has not been shown.

It is clear to us that the rejected claims do not clearly or properly distinguish from the references as was held by the Board.

For the reasons herein given the decision of the Board is affirmed.

Affirmed.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,528,561. (See 1,781,918.) 1,529,081. (See 1,781,918.)

1,684,018. (See 1,781,918.)

1,697,754. (See Re. 17,114.)

1,706,611. (See Re. 17,114.)

1,706,612. (See Re. 17,114.)

1,781,918, C. R. Edwards, Pipe pulling machine; 1,684,018, same, Pipe puller; 1,927,310, same, Well cleaning apparatus; 2,160,691, same, Outside pipe cutter; 1,528,561, 1,529,081, J. D. Nixon, Spear, D. C., S. D. Tex. (Houston), Doc. 303, *Houston Engineers, Inc.*, v. *J. S. Abercrombie Co. et al.* Dismissed Apr. 22, 1947.

1,806,356, Lynn & Malouf, Method and apparatus for treating motor fuel; 1,806,404, same, Motor fuel treating device; 1,806,406, W. M. Malouf, Attachment for internal combustion engines, filed June 9, 1947, D. C., S. D. Calif. (Los Angeles), Doc. 7118-PH, *A. K. Malouf et al.* v. *Atomic Power Corp. et al.*

1,806,404. (See 1,806,356.) 1,806,406. (See 1,806,356.)

1,811,980, 2,051,348, F. H. Smith, Drying house, filed June 24, 1947, D. C., E. D. N. C. (Bew Bern), Docs. 229 and 233, *Smith's Heating, Inc.*, v. *Long Mfg. Co., Inc., et al.* Doc. 230, *Smith's Heating, Inc.*, v. *Dowless Tobacco Curer Co. et al.* Doc. 231, *Smith's Heating, Inc.*, v. *General Foundry Machine Co., Inc., et al.* Doc. 232, *Smith's Heating, Inc.*, v. *L. Harvey & Son Co. et al.* Doc. 234, *Smith's Heating, Inc.*, v. *Florence Mayo Nuway Co. et al.*

1,839,112. (See Re. 17,114.)

1,856,864. (See Re. 17,114.)

1,859,004. (See Re. 17,114.)

1,927,310. (See 1,781,918.)

1,929,274. (See Re. 20,817.)

1,937,283. (See Re. 17,114.)

2,039,218. (See Re. 17,114.)

2,051,348. (See 1,811,980.)

2,069,871, S. O. Blanc, Cutter member for cleaning drain pipes; Re. 22,113, same, Drain cleaner, D. C., N. D. Ill., E. Div., Doc. 46c561, *S. O. Blanc* v. *Spartan Tool Co.* Complaint dismissed upon its merits June 26, 1947.

2,131,429, C. W. Dieckman, Meat cutter; 2,186,716, 2,206,529, same, Cutter for meat grinders; 2,250,753, same, Locking means for bearing stud and nut; 2,259,623, same, Rotary cutter; T. M. 336,299, same, Meat grinder knives, sausage linking gauges; T. M. 349,582, same, Meat grinder knives and meat grinder plates, etc.; T. M. 376,980, same, Perforated meat grinder end plates; T. M. 376,979, same, Meat grinder knives, (declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 3695, *Korrect Knitting Mfg. Co., Inc.*, v. *The Specialty Manufacturers Sales Co. et al.* Judgment granting injunction, complaint dismissed June 13, 1947.

2,160,691. (See 1,781,918.) 2,186,716. (See 2,131,429.)

2,206,529. (See 2,131,429.) 2,207,322. (See 2,386,510.)

2,250,753. (See 2,131,429.) 2,259,623. (See 2,131,429.)

2,266,647, Lucas & Stephan, Horizontal boring machine; 2,339,435, H. N. Stephan, Machine tool, filed July 3, 1947, D. C., N. D. Ohio, E. Div., Doc. 25056, *De Vlieg Mfg. Co.* v. *The Lucas Machine Tool Co.*

2,339,435. (See 2,266,647.)

2,386,510, I. Shafer, Sliding door supporting apparatus; 2,207,322, R. L. Long, Hanger for sliding door, filed July 3, 1947, D. C., S. D. Calif., S. Div., Doc. 869, *I. Shafer* v. *R. L. Long.*

Re. 17,114, 1,697,754, F. H. Chandler, Toasting or cooking apparatus; 1,839,112, H. R. Mills, Electrical cooking machine; 1,856,864, E. C. Claus, Cooking device; 1,859,004, E. Reich, Heating device; 1,937,283, R. M. Markus, Cooking appliance; 2,039,218, A. Govoreff, Electrical cooking machine; 1,706,611, C. P. Jaeger, Toasting device; 1,706,612, same, Cooking apparatus, D. C., E. D. Pa., Doc. 3362, *The Griswold Mfg. Co.* v. *E. Reich.* Stipulation dismissing action Apr. 29, 1947.

Re. 20,817, W. J. Maddox, Abrading roll; 1,929,274, W. J. Ellis, Abrasive element, D. C., N. D. Ohio, E. Div., Doc. 21008, *The Cleveland Container Co.* v. *The Hyen-Cut Abrasive Band & Equipment Corp. et al.* Reissue patent held invalid; complaint dismissed as to H. Coe and R. L. Bacher; counterclaim dismissed June 26, 1947.

Re. 22,113. (See 2,069,871.)

T. M. 336,299. (See 2,131,429.)

T. M. 349,582. (See 2,131,429.)

T. M. 376,980. (See 2,131,429.)

T. M. 376,979. (See 2,131,429.)

T. M. 386,889, W. O. Geyer, Ground glass joints, stoppers, and stop-cocks, etc., filed June 30, 1947, D. C., N. D. Ill., E. Div., Doc. 47c974, *Scientific Glass Apparatus Co., Inc.*, v. *Daylite Vacuum Products Co. et al.*

TRADE-MARK REGISTRATIONS CANCELED

294,685. Nail polish. Georges Gay, doing business as Academie Scientifique de Beaute, Colombes, France. Registered June 7, 1932. Canceled July 22, 1947.

309,139. Electric laundry washing machines. Simmons Hardware Company, St. Louis, Mo. Registered Jan. 2, 1934. Canceled July 11, 1947.

370,199. Spark plugs, ignition distributors, ignition coils, etc. Precision Electro-Mecanique S. A., Delemont, Switzerland. Registered Aug. 22, 1939. Canceled July 23, 1947.

385,713. Ear muffs. Red Star Company, Bridgeport, Conn. Registered Mar. 11, 1941. Canceled June 16, 1947.

401,301. Quick setting material for patching floors. Sam Campagna, doing business as The Camp Company, Chicago, Ill. Registered May 4, 1943. Canceled June 27, 1947.

403,046. Trade organ published from time to time, devoted largely, although not entirely, to advertising construction materials, protective products and other goods sold by the applicant. Allied Chemical & Dye Corporation, New York, N. Y. Registered Aug. 31, 1943. Canceled July 18, 1947.

407,161. Hosiery. Harriman Hosiery Mills, Harriman, Tenn. Registered May 23, 1944. Canceled July 22, 1947.

415,153. Perfumes, colognes, sachets, cleansing creams and hand and skin lotions. Charles A. Rolley, doing business as Rolley Perfumes, San Francisco, Calif. Registered July 10, 1945. Canceled June 16, 1947.

417,476. Perfumery, face creams and powders, lotions, hair preparations and toilet water. Castilla Products, Inc., New York, N. Y. Registered Oct. 30, 1945. Canceled June 20, 1947.

422,135. Ladies' handbags. Meyers Mfg. Co., New York, N. Y. Registered July 2, 1946. Canceled July 22, 1947.

422,712. Textile fabrics in the piece, of cotton, rayon, protein fibres, and combinations thereof. Meadtex Fabrics Co., New York, N. Y. Registered Aug. 6, 1946. Canceled July 23, 1947.

422,806. Ladies', misses', and girls' dresses, aprons, slips, playsuits, pinafores, and blouses. Meadtex Fabrics Co., New York, N. Y. Registered Aug. 13, 1946. Canceled July 23, 1947.

426,211. Mixture for use in minute quantities in the commercial manufacture of frozen confections and containing a stabilizer which acts by gelation and an emulsifier containing a surface-active agent. R. G. Moench & Co., Inc., New York, N. Y. Registered Dec. 17, 1946. Canceled July 23, 1947.

NOTICES

Public Law 220—80th Congress

[CHAPTER 302—1ST SESSION]

[H. R. 3958]

AN ACT

To extend temporarily the time for filing applications for patents and for taking action in the United States Patent Office with respect thereto.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the period of extension of priority rights under section 1 of Public Law 690, Seventy-ninth Congress, approved August 8, 1946, and the time for the payment of any fee or the taking of any other action under section 3 of said act, specified as expiring twelve months after the passage of that act, shall be further extended to a date not later than February 29, 1948, in favor of citizens of the United States and citizens or subjects of countries which grant or shall grant before February 29, 1948, substantially reciprocal privileges to citizens of the United States for such extended term, subject to the provisions of said Public Law 690.

Approved July 23, 1947.

Public Laws 690 and 220

The following countries apply their laws corresponding to Public Law 690 to citizens of the United States to grant extensions of time up to the dates indicated and the United States Patent Office will accordingly apply Public Law 690 to citizens of these countries for such extended times.

Canada, November 15, 1947.
Holland, December 31, 1947.
Switzerland, December 31, 1947.

CASPER W. OOMS,
Commissioner.

July 30, 1947.

Disclaimers

1,990,329.—*Lambert D. Johnson, Nathan F. True,* and *Harry H. Engel,* Evansville, Ind. FOOD PRODUCT AND METHOD. Patent dated Feb. 5, 1935. Disclaimer filed July 15, 1947, by the assignee, *Mead Johnson & Company.*

Hereby enters this disclaimer of claims 5 and 6 of said patent.

2,365,448.—*George R. Bicknell,* Antioch, and *Fred A. Heidenfelder,* Chicago, Ill. SLEEVE PRESS. Patent dated Dec. 19, 1944. Disclaimer filed July 18, 1947, by the assignee, *The American Laundry Machinery Company.*

Hereby enters this disclaimer to claims 3 and 4 in said specification.

Interference Notice

Harvey B. Martling, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Wilson Jones Company, 3300 Franklin Boulevard, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 22, 1937, No. 347,269, to Harvey B. Martling, 908 Commerce St., Nashville, Tenn., and 114 20th Ave., South, Nashville, Tenn., and the notice of such declaration sent by registered mail to the said Martling at the said addresses of record having been returned by the post office undeliverable, notice is hereby given that unless said Martling, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

July 16, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The United Shoe Machinery Corporation has placed 2,092 patents on the Register of Patents as available for license. About one-fourth of these patents are useful in fields other than shoe machinery—among which are sewing machines, cement dispensing devices, and buffing rolls. The complete list of patents will be published in groups in the OFFICIAL GAZETTE from July 29 to August 19 inclusive. A brochure containing abstracts of these patents may be obtained from the Commissioner of Patents, Washington, D. C., or from the United Shoe Machinery Corporation, 140 Federal St., Boston 10, Mass. Group 35—59. Reg. Nos. 7,605 to 8,107, inclusive, are printed herewith.

Pat. 2,013,341. SHOE AND METHOD OF MAKING THE SAME. Patented Sept. 3, 1935.

Pat. 2,014,472. APPLICATION OF SOLVENT IN PREPARING OUTERSOLE. Patented Sept. 17, 1935.

Pat. 2,015,090. MANUFACTURE OF SHOE UPPERS. Patented Sept. 24, 1935.

Pat. 2,015,656. METHOD OF COVERING ARTICLES. Patented Oct. 1, 1935.

Pat. 2,015,760. INSOLE AND METHOD OF MAKING INSOLES. Patented Oct. 1, 1935.

Pat. 2,018,822. METHOD OF MAKING SHOES. Patented Oct. 29, 1935.

Pat. 2,019,585. METHOD OF SECURING TOGETHER PIECES OF STOCK. Patented Nov. 5, 1935.

Pat. 2,020,417. SOLE AND METHOD OF SOLE FITTING. Patented Nov. 12, 1935.

Pat. 2,022,760. SHOE AND METHOD OF MAKING THE SAME. Patented Dec. 3, 1935.

Pat. 2,023,547. MANUFACTURE OF SHOES. Patented Dec. 10, 1935.

Pat. 2,025,704. HEEL AND HEEL SEAT FITTING. Patented Dec. 31, 1935.

Pat. 2,027,431. HEEL AND HEEL SEAT FITTING. Patented Jan. 14, 1936.

Pat. 2,028,245. MANUFACTURE OF SHOES. Patented Jan. 21, 1936.

Pat. 2,030,276. SHOE CONSTRUCTION. Patented Feb. 11, 1936.

Pat. 2,031,645. METHOD OF MAKING SHOES. Patented Feb. 25, 1936.

Pat. 2,032,449. METHOD OF COVERING HEELS. Patented Mar. 3, 1936.

Pat. 2,033,972. INSOLE AND PROCESS OF MAKING SHOES THEREWITH. Patented Mar. 17, 1936.

Pat. 2,034,031. MANUFACTURE OF SHOES. Patented Mar. 17, 1936.

Pat. 2,034,718. METHOD OF MAKING SHOES. Patented Mar. 24, 1936.

Pat. 2,036,406. METHOD OF MAKING SHOES. Patented Apr. 7, 1936.

Pat. 2,036,418. ART OF SHOEMAKING. Patented Apr. 7, 1936.

Pat. 2,038,644. SHOE AND THE MANUFACTURE THEREOF. Patented Apr. 28, 1936.

Pat. 2,038,672. ATTACHMENT OF RUBBER HEELS TO SHOES. Patented Apr. 28, 1936.

Pat. 2,040,131. MANUFACTURE OF SHOES AND SHOE SOLES. Patented May 12, 1936.

Pat. 2,041,901. MANUFACTURE OF SOLES. Patented May 26, 1936.

Pat. 2,042,483. ATTACHMENT OF SOLES TO SHOES. Patented June 2, 1936.

Pat. 2,044,029. METHOD OF ATTACHING SOLES TO SHOES. Patented June 16, 1936.

Pat. 2,044,875. SHOE AND THE MANUFACTURE THEREOF. Patented June 23, 1936.

Pat. 2,045,736. MANUFACTURE OF SHOES. Patented June 30, 1936.

Pat. 2,045,954. METHOD OF MAKING SHOES. Patented June 30, 1936.

Pat. 2,046,444. SHOE AND METHOD OF MAKING THE SAME. Patented July 7, 1936.

Pat. 2,046,445. SOLE FITTING. Patented July 7, 1936.

Pat. 2,047,960. METHOD OF SEPARATING SHOES FROM LASTS. Patented July 21, 1936.

Pat. 2,048,048. SHOEMAKING. Patented July 21, 1936.

Pat. 2,050,296. SHOE AND METHOD OF MAKING THE SAME. Patented Aug. 11, 1936.

Pat. 2,050,396. INSOLE AND MANUFACTURING THEREOF. Patented Aug. 11, 1936.

Re. 21,654. COUNTER UNIT FOR SHOES AND METHOD OF MAKING THE SAME. Reissued Dec. 10, 1940. (Original Patent No. 2,050,851; dated Aug. 11, 1936.)

Pat. 2,051,887. INSOLE AND METHOD OF MAKING INSOLES. Patented Aug. 25, 1936.

Pat. 2,054,169. MANUFACTURE OF ARCH SUPPORTING SHOES. Patented Sept. 15, 1936.

Pat. 2,054,188. SHOE AND SOLE THEREFOR. Patented Sept. 15, 1936.

Pat. 2,054,942. METHOD OF MAKING SHOES. Patented Sept. 22, 1936.

Pat. 2,055,478. SHOE AND METHOD OF SHOEMAKING. Patented Sept. 29, 1936.

Pat. 2,055,542. SHOE BOTTOM CONSTRUCTION AND METHOD OF MAKING SHOES AND SHOE BOTTOM UNITS. Patented Sept. 29, 1936.

Pat. 2,056,313. MANUFACTURE OF SHOES. Patented Oct. 6, 1936.

Pat. 2,056,323. MANUFACTURE OF SHOES. Patented Oct. 6, 1936.

Pat. 2,056,962. METHOD OF LACING SHOE UPPERS. Patented Oct. 13, 1936.

Pat. 2,057,023. MANUFACTURE OF SOLES FOR SHOES. Patented Oct. 13, 1936.

Pat. 2,057,072. MANUFACTURE OF STRAP SANDALS. Patented Oct. 13, 1936.

Pat. 2,057,703. HEEL FASTENING AND METHOD OF ATTACHING HEELS. Patented Oct. 20, 1936.

Pat. 2,057,839. SHOE AND SHOEMAKING METHOD. Patented Oct. 20, 1936.

Pat. 2,058,434. METHOD OF ATTACHING OUTSOLES TO SHOES. Patented Oct. 27, 1936.

Pat. 2,058,443. ART OF MAKING SHOES. Patented Oct. 27, 1936.

Pat. 2,058,454. METHOD OF MAKING SHOES. Patented Oct. 27, 1936.

Pat. 2,058,460. METHOD OF PREPARING SOLES FOR CEMENT SHOES. Patented Oct. 27, 1936.

Pat. 2,058,469. SHOE AND METHOD OF MANUFACTURING THE SAME. Patented Oct. 27, 1936.

Pat. 2,058,540. MANUFACTURE OF TURN SHOES. Patented Oct. 27, 1936.

Pat. 2,059,303. METHOD OF MAKING SHOES. Patented Nov. 3, 1936.

Pat. 2,059,386. SHOE AND METHOD OF MANUFACTURING THE SAME. Patented Nov. 3, 1936.

Pat. 2,060,031. HEEL AND METHOD OF ATTACHING. Patented Nov. 10, 1936.

Pat. 2,062,528. METHOD OF MAKING SHOES. Patented Dec. 1, 1936.

Pat. 2,062,530. STITCHDOWN SHOE AND METHOD OF MANUFACTURE. Patented Dec. 1, 1936.

Pat. 2,063,175. METHOD OF MAKING SHOES. Patented Dec. 8, 1936.

Pat. 2,065,463. SHOE BOTTOM MEMBER AND METHOD OF MAKING THE SAME. Patented Dec. 22, 1936.

Pat. 2,065,464. SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME. Patented Dec. 22, 1936.

Pat. 2,065,569. SHOE AND SHOE MANUFACTURE. Patented Dec. 29, 1936.

Pat. 2,065,692. MANUFACTURE OF SOLES FOR SHOES. Patented Dec. 29, 1936.

Pat. 2,066,424. MANUFACTURE OF SHOES. Patented Jan. 5, 1937.

Pat. 2,066,474. METHOD OF LACING SHOE UPPERS. Patented Jan. 5, 1937.

Pat. 2,067,987. ART OF STIFFENING PORTIONS OF BOOTS AND SHOES. Patented Jan. 19, 1937.

Pat. 2,068,657. HEEL. Patented Jan. 26, 1937.

Pat. 2,069,396. METHOD OF MAKING SHOES. Patented Feb. 2, 1937.

Pat. 2,071,775. MANUFACTURE OF SHOES. Patented Feb. 23, 1937.

Pat. 2,072,216. SHOE AND METHOD OF MAKING IT. Patented Mar. 2, 1937.

Pat. 2,072,727. INSOLE AND PROCESS OF MAKING THE SAME. Patented Mar. 2, 1937.

Pat. 2,072,900. SHOE. Patented Mar. 9, 1937.

Pat. 2,073,025. SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME. Patented Mar. 9, 1937.

Pat. 2,073,725. MANUFACTURE OF SHOES. Patented Mar. 16, 1937.

Pat. 2,074,356. MANUFACTURE OF SHOE UPPERS. Patented Mar. 23, 1937.

Pat. 2,074,444. INSOLE AND METHOD OF MAKING THE SAME. Patented Mar. 23, 1937.

Pat. 2,075,923. METHOD OF OPERATING UPON SHOE SOLES. Patented Apr. 6, 1937.

Pat. 2,078,337. ARTICLE OF MANUFACTURE FOR EXAMPLE INSOLES. Patented Apr. 27, 1937.

Pat. 2,078,346. MANUFACTURE OF SANDALS. Patented Apr. 27, 1937.

Pat. 2,079,712. METHOD OF TREATING SOLES. Patented May 11, 1937.

Pat. 2,079,716. METHOD OF MAKING SHOES. Patented May 11, 1937.

Pat. 2,080,531. MANUFACTURE OF SHOES. Patented May 18, 1937.

Pat. 2,081,211. SHOE AND THE MANUFACTURE THEREOF. Patented May 25, 1937.

Pat. 2,081,887. PROCESS OF MAKING SHOES. Patented May 25, 1937.

Pat. 2,082,823. SOLE AND SOLE FITTING. Patented June 8, 1937.

Pat. 2,083,559. METHOD OF SHOE HEEL ATTACHMENT. Patented June 15, 1937.

Pat. 2,083,659. SHOE AND METHOD OF MAKING THE SAME. Patented June 15, 1937.

Pat. 2,085,861. SHOE MANUFACTURE. Patented July 6, 1937.

Pat. 2,086,558. ART OF MAKING SHOES. Patented July 13, 1937.

Pat. 2,086,743. MANUFACTURE OF STITCHDOWN SHOES. Patented July 13, 1937.

Pat. 2,088,090. METHOD OF MAKING SHOES AND INSOLES. Patented July 27, 1937.

Pat. 2,088,562. CUTTING SOLE FOR THE ATTACHMENT OF WOOD HEELS. Patented Aug. 3, 1937.

Pat. 2,088,766. STIFFENING THE UPPERS OF BOOTS AND SHOES. Patented Aug. 3, 1937.

Pat. 2,089,170. OUTSOLE UNIT. Patented Aug. 10, 1937.

Pat. 2,089,316. SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME. Patented Aug. 10, 1937.

Pat. 2,090,019. PROCESS OF MAKING SHOES. Patented Aug. 17, 1937.

Pat. 2,090,675. MANUFACTURE OF SHOES. Patented Aug. 24, 1937.

Pat. 2,090,770. SHOE BOTTOM UNIT. Patented Aug. 24, 1937.

Pat. 2,092,533. MANUFACTURE OF SHOES. Patented Sept. 7, 1937.

Pat. 2,093,438. COATING. Patented Sept. 21, 1937.

Pat. 2,093,472. MANUFACTURE OF SHOES. Patented Sept. 21, 1937.

Pat. 2,094,587. METHOD OF TREATING UNATTACHED LEATHER SOLES. Patented Oct. 5, 1937.

Pat. 2,095,262. METHOD OF MAKING SHOES. Patented Oct. 12, 1937.

Pat. 2,095,953. SHOE AND METHOD OF MAKING THE SAME. Patented Oct. 19, 1937.

Pat. 2,098,349. PROCESS OF ATTACHING HEELS TO SHOES. Patented Nov. 9, 1937.

Pat. 2,099,016. COMPOSITE STRAND. Patented Nov. 16, 1937.

Pat. 2,099,037. METHOD OF MAKING SHOE STIFFENERS. Patented Nov. 16, 1937.

Pat. 2,100,430. MANUFACTURE OF SOLES. Patented Nov. 30, 1937.

Pat. 2,106,279. MANUFACTURE OF REINFORCED SHOE BOTTOM UNITS. Patented Jan. 25, 1938.

Pat. 2,106,845. MANUFACTURE OF SHOE BOTTOM UNITS. Patented Feb. 1, 1938.

Pat. 2,107,391. WOOD HEEL. Patented Feb. 8, 1938.

Pat. 2,108,849. MANUFACTURE OF SANDALS. Patented Feb. 22, 1938.

Pat. 2,110,948. ART OF ATTACHING HEELS TO SHOES. Patented Mar. 15, 1938.

Pat. 2,112,884. MANUFACTURE OF SHOES. Patented Apr. 5, 1938.

Pat. 2,114,399. MANUFACTURE OF SHOES. Patented Apr. 19, 1938.

Pat. 2,114,700. SHOE AND OUTSOLE THEREFOR. Patented Apr. 19, 1938.

Pat. 2,114,998. SHOE AND METHOD OF MANUFACTURING THE SAME. Patented Apr. 26, 1938.

Pat. 2,115,859. STITCHDOWN SHOE. Patented May 3, 1938.

Pat. 2,116,621. SHOE. Patented May 10, 1938.

Pat. 2,117,333. SHOE AND METHOD OF MAKING IT. Patented May 17, 1938.

Pat. 2,118,889. METHOD OF ORNAMENTING SHOES. Patented May 31, 1938.

Pat. 2,121,172. HEEL AND ITS ATTACHMENT TO SHOE. Patented June 21, 1938.

Pat. 2,121,938. INSOLE AND METHOD OF MAKING THE SAME. Patented June 28, 1938.

Pat. 2,122,503. SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME. Patented July 5, 1938.

Pat. 2,123,278. STITCHDOWN SHOE. Patented July 12, 1938.

Pat. 2,123,288. ARCH SUPPORTING SHOE. Patented July 12, 1938.

Pat. 2,123,481. ORTHOPEDIC INSOLE. Patented July 12, 1938.

Pat. 2,124,545. ATTACHING HEELS TO SHOES. Patented July 26, 1938.

Pat. 2,124,653. ART OF SHOEMAKING. Patented July 26, 1938.

Pat. 2,125,328. SHOE AND IMPROVEMENTS IN SHOEMAKING. Patented Aug. 2, 1938.

Pat. 2,126,601. CUSHION SOLE. Patented Aug. 9, 1938.

Pat. 2,127,634. MANUFACTURE OF SHOE BOTTOM UNITS. Patented Aug. 23, 1938.

Pat. 2,128,282. SHOE. Patented Aug. 30, 1938.

Pat. 2,128,301. METHOD OF ASSEMBLING SHOE UPPERS AND COUNTERS. Patented Aug. 30, 1938.

Pat. 2,131,838. INSOLE AND METHOD OF MAKING THE SAME. Patented Oct. 4, 1938.

Pat. 2,135,170. SHOE AND METHOD OF MAKING THE SAME. Patented Nov. 1, 1938.

Pat. 2,135,673. HEEL AND METHOD OF COVERING THE SAME. Patented Nov. 8, 1938.

Pat. 2,135,676. MANUFACTURE OF SHOES AND SHOE BOTTOM UNITS. Patented Nov. 8, 1938.

Pat. 2,135,725. FLEXIBLE INSOLE. Patented Nov. 8, 1938.

Pat. 2,136,482. ART OF SHOEMAKING. Patented Nov. 15, 1938.

Pat. 2,136,495. METHOD OF ATTACHING SEAM STAYS. Patented Nov. 15, 1938.

Pat. 2,138,109. METHOD OF MAKING SHOES. Patented Nov. 29, 1938.

Pat. 2,139,260. MANUFACTURE OF SHOES AND INSOLES THEREFOR. Patented Dec. 6, 1938.

Pat. 2,139,713. MANUFACTURE OF MOCCASIN TYPE SHOES. Patented Dec. 13, 1938.

Pat. 2,139,746. METHOD OF MAKING WELTING. Patented Dec. 13, 1938.

Pat. 2,140,614. METHOD OF MAKING SHOE STIFFENERS. Patented Dec. 20, 1938.

Pat. 2,142,238. METHOD OF MAKING SHOES. Patented Jan. 3, 1939.

Pat. 2,144,285. MANUFACTURE OF SOLES. Patented Jan. 17, 1939.

Pat. 2,144,284. MANUFACTURE OF SOLES FOR SHOES. Patented Jan. 17, 1939.

Pat. 2,144,396. SHOEMAKING. Patented Jan. 17, 1939.

Pat. 2,146,805. SANDAL. Patented Feb. 14, 1939.

Pat. 2,146,814. METHOD OF MAKING INSOLES. Patented Feb. 14, 1939.

Pat. 2,151,020. SHOE AND METHOD OF MAKING THE SAME. Patented Mar. 21, 1939.

Pat. 2,151,977. SHANK PIECE AND METHOD OF MAKING THE SAME. Patented Mar. 28, 1939.

Pat. 2,151,978. HEEL. Patented Mar. 28, 1939.

Pat. 2,153,612. METHOD OF BINDING A SHOE UPPER. Patented Apr. 11, 1939.

Pat. 2,154,023. COUNTER. Patented Apr. 11, 1939.

Pat. 2,155,572. MANUFACTURE OF SHOES. Patented Apr. 25, 1939.

Pat. 2,160,377. MANUFACTURE OF SANDALS. Patented May 30, 1939.

Pat. 2,160,878. TREATING SHOE LININGS. Patented June 6, 1939.

Pat. 2,161,452. HEEL FOR SHOES. Patented June 6, 1939.

Pat. 2,161,846. HEEL. Patented June 13, 1939.

Pat. 2,163,664. METHOD OF LASTING SHOES. Patented June 27, 1939.

Pat. 2,163,696. METHOD OF MAKING CEMENTED SHOES. Patented June 27, 1939.

Pat. 2,164,465. SHOE WITH EXTENSIBLE UPPER MARGIN. Patented July 4, 1939.

Pat. 2,165,427. SHOE SOLE AND HEEL CONSTRUCTION. Patented July 11, 1939.

Pat. 2,165,494. SHOE INSOLE. Patented July 11, 1939.

Pat. 2,166,421. MANUFACTURE OF REINFORCED SHOE BOTTOM UNITS. Patented July 18, 1939.

Pat. 2,167,658. MANUFACTURE OF SHOES. Patented Aug. 1, 1939.

Pat. 2,168,485. METHOD AND MEANS FOR RELATIVELY POSITIONING SOLES AND SHOES. Patented Aug. 8, 1939.

Pat. 2,168,498. WELT SHOE AND METHOD OF MAKING THE SAME. Patented Aug. 8, 1939.

Pat. 2,171,719. REINFORCED INSOLE UNIT AND METHOD OF MAKING THE SAME. Patented Sept. 5, 1939.

Pat. 2,173,189. SHOE BOTTOM UNIT. Patented Sept. 19, 1939.

Pat. 2,173,967. MANUFACTURE OF SHOES. Patented Sept. 26, 1939.

Pat. 2,173,968. MANUFACTURE OF SHOE BOTTOM UNITS. Patented Sept. 26, 1939.

Pat. 2,173,971. ART OF MANUFACTURING SHOES. Patented Sept. 26, 1939.

Pat. 2,175,295. SHOE AND METHOD OF MAKING THE SAME. Patented Oct. 10, 1939.

Pat. 2,177,785. FINISHING EDGES OF LEATHER PIECES. Patented Oct. 31, 1939.

Pat. 2,180,385. SHOE AND METHOD OF MAKING THE SAME. Patented Nov. 21, 1939.

Pat. 2,182,033. SHANK STIFFENER UNIT. Patented Dec. 5, 1939.

Pat. 2,182,042. SHOE AND METHOD OF MAKING THE SAME. Patented Dec. 5, 1939.

Pat. 2,183,671. FLEXIBLE SHOE. Patented Dec. 19, 1939.

Pat. 2,183,697. SHOE. Patented Dec. 19, 1939.

Pat. 2,187,825. MANUFACTURE OF SHOE HEELS. Patented Jan. 30, 1940.

Pat. 2,188,977. MANUFACTURE OF SHOES. Patented Feb. 6, 1940.

Pat. 2,189,953. METHOD OF MAKING SHOES. Patented Feb. 13, 1940.

Pat. 2,192,274. METHOD OF MAKING SHOES. Patented Mar. 5, 1940.

Pat. 2,195,447. TOE STIFFENER. Patented Apr. 2, 1940.

Pat. 2,195,476. SHOE AND INSOLE THEREFOR. Patented Apr. 2, 1940.

Pat. 2,195,490. REINFORCED INSOLE. Patented Apr. 2, 1940.

Pat. 2,197,102. SHOE. Patented Apr. 16, 1940.

Pat. 2,197,907. SHOE. Patented Apr. 23, 1940.

Pat. 2,197,928. METHOD OF MAKING SHOES. Patented Apr. 23, 1940.

Pat. 2,198,707. METHOD FOR USE IN MANUFACTURING SHOES. Patented Apr. 30, 1940.

Pat. 2,200,375. MANUFACTURE OF SHOES. Patented May 14, 1940.

Pat. 2,200,385. MANUFACTURE OF SHOES. Patented May 14, 1940.

Pat. 2,200,401. SHOEMAKING. Patented May 14, 1940.

Pat. 2,201,300. FLEXIBLE SHOE AND METHOD OF MAKING SAME. Patented May 21, 1940.

Pat. 2,202,093. SHOE AND METHOD OF MAKING SHOES. Patented May 28, 1940.

Pat. 2,202,975. WELT SHOE. Patented June 4, 1940.

Pat. 2,203,769. PYROXYLIN WAFER FOR ATTACHING HEELS AND HEEL BREAST FLAPS. Patented June 11, 1940.

Pat. 2,204,669. MANUFACTURE OF WELT SHOES. Patented June 18, 1940.

Pat. 2,206,129. METHOD FOR USE IN THE MANUFACTURE OF SHOES. Patented July 2, 1940.

Pat. 2,206,900. METHOD OF LASTING SHOES. Patented July 9, 1940.

Pat. 2,209,406. OUTSOLE AND METHOD OF MAKING THE SAME. Patented July 30, 1940.

Pat. 2,211,056. METHOD OF SHOEMAKING. Patented Aug. 13, 1940.

Pat. 2,211,057. SHOE. Patented Aug. 13, 1940.

Pat. 2,212,514. SHOE AND SHOE MANUFACTURE. Patented Aug. 27, 1940.

Pat. 2,212,515. METHOD OF MAKING SHOES. Patented Aug. 27, 1940.

Pat. 2,212,516. SHOE AND METHOD OF MAKING THE SAME. Patented Aug. 27, 1940.

Pat. 2,212,610. MOCCASIN. Patented Aug. 27, 1930.

Pat. 2,212,612. MANUFACTURE OF SHOES. Patented Aug. 27, 1940.

Pat. 2,214,791. MANUFACTURE OF SHOES. Patented Sept. 17, 1940.

Pat. 2,216,158. SHOE AND INSOLE THEREFOR. Patented Oct. 1, 1940.

Pat. 2,216,159. MANUFACTURE OF SHOES HAVING FLEXIBLE FOREPARTS. Patented Oct. 1, 1940.

Pat. 2,217,787. MANUFACTURE OF SHOES. Patented Oct. 15, 1940.

Pat. 2,221,860. SHOE PART AND METHOD OF MAKING THE SAME. Patented Nov. 19, 1940.

Pat. 2,221,879. MANUFACTURE OF SHOES. Patented Nov. 19, 1940.

Pat. 2,224,213. SHOEMAKING. Patented Dec. 10, 1940.

Pat. 2,230,367. SOLE AND METHOD OF SHAPING SOLES. Patented Feb. 4, 1941.

Pat. 2,232,767. MANUFACTURE OF SHOE BOTTOM UNITS. Patented Feb. 25, 1941.

Pat. 2,234,282. COUNTER STIFFENER AND ITS MANUFACTURE. Patented Mar. 11, 1941.

Pat. 2,235,086. REAR PART OF SHOE UPPERS. Patented Mar. 18, 1941.

Pat. 2,235,087. SHOE. Patented Mar. 18, 1941.

Pat. 2,236,537. QUARTER UNIT AND METHOD OF MAKING IT. Patented Apr. 1, 1941.

Pat. 2,236,600. SHOE AND METHOD OF MAKING SAME. Patented Apr. 1, 1941.

Pat. 2,236,623. METHOD OF MAKING SHOES. Patented Apr. 1, 1941.

Pat. 2,238,274. STRAP SANDAL AND INSOLE THEREFOR. Patented Apr. 15, 1941.

Pat. 2,239,818. SHOE AND HEEL THEREFOR. Patented Apr. 29, 1941.

Pat. 2,240,603. SHOE AND SHOE PARTS. Patented May 6, 1941.

Pat. 2,240,626. SHOE WITH INTERLACED UPPER ELEMENTS. Patented May 6, 1941.

Pat. 2,243,142. MANUFACTURE OF SHOES. Patented May 27, 1941.

Pat. 2,244,062. STITCHDOWN SHOE. Patented June 3, 1941.

Pat. 2,245,706. MANUFACTURE OF STRAP SANDALS. Patented June 17, 1941.

Pat. 2,252,785. MANUFACTURE OF SHOES. Patented Aug. 19, 1941.

Pat. 2,254,351. METHOD OF MAKING SHOES. Patented Sept. 2, 1941.

Pat. 2,254,353. SHOE AND SHOE HEEL. Patented Sept. 2, 1941.

Pat. 2,254,367. SHOEMAKING. Patented Sept. 2, 1941.

Pat. 2,257,343. MANUFACTURE OF SHOES. Patented Sept. 30, 1941.

Pat. 2,255,177. HEEL. Patented Sept. 9, 1941.

Pat. 2,259,559. SANDAL AND INSOLE THEREFOR. Patented Oct. 21, 1941.

Pat. 2,259,583. METHOD OF EDGE FINISHING SHOE PARTS. Patented Oct. 21, 1941.

Pat. 2,259,586. METHOD OF TREATING UNATTACHED SOLES. Patented Oct. 21, 1941.

Pat. 2,260,472. SHOE HEEL. Patented Oct. 28, 1941.

Pat. 2,261,734. SHOEMAKING. Patented Nov. 4, 1941.

Pat. 2,263,671. METHOD OF MAKING WELT SHOES. Patented Nov. 25, 1941.

Pat. 2,266,775. METHOD OF MAKING SHOES AND SHOE UPPERS. Patented Dec. 23, 1941.

Pat. 2,267,807. SHOE. Patented Dec. 30, 1941.

Pat. 2,267,822. SHOE UPPER EDGE FINISH. Patented Dec. 30, 1941.

Pat. 2,268,561. WELT SHOE AND INSOLE THEREFOR. Patented Jan. 6, 1942.

Pat. 2,269,542. WEDGE HEEL SHOE. Patented Jan. 13, 1942.

Pat. 2,269,562. SHOEMAKING. Patented Jan. 13, 1942.

Pat. 2,273,374. METHOD OF MAKING SHOES. Patented Feb. 17, 1942.

Pat. 2,274,028. METHOD OF MAKING SHOES. Patented Feb. 24, 1942.

Pat. 2,274,576. SHOEMAKING METHOD. Patented Feb. 24, 1942.

Pat. 2,277,770. MOLDED BACK PART. Patented Mar. 31, 1942.

Pat. 2,281,678. MANUFACTURE OF RIBBED INSOLES. Patented May 5, 1942.

Pat. 2,283,273. SANDAL. Patented May 19, 1942.

Pat. 2,283,318. INSOLE. Patented May 19, 1942.

Pat. 2,284,810. SHOE AND METHOD OF MAKING THE SAME. Patented June 2, 1942.

Pat. 2,284,814. LACING DEVICE. Patented June 2, 1942.

Pat. 2,284,830. SHOE AND SHOE BOTTOM PARTS. Patented June 2, 1942.

Pat. 2,287,985. LACED BOOT. Patented June 30, 1942.

Pat. 2,288,615. PREWELT SHOE. Patented July 7, 1942.

Pat. 2,288,700. HEEL AND ITS ATTACHMENT TO SHOES. Patented July 7, 1942.

Pat. 2,293,245. METHOD OF ASSEMBLING INSOLES AND BACK PARTS OF SHOES. Patented Aug. 18, 1942.

Pat. 2,294,982. SHANK STIFFENER. Patented Sept. 8, 1942.

Pat. 2,295,631. METHOD OF MAKING SHOES. Patented Sept. 15, 1942.

Pat. 2,295,650. METHOD OF PRODUCING COMPLEMENTARY INSOLE AND OUTSOLE. Patented Sept. 15, 1942.

Pat. 2,298,423. SHOE. Patented Oct. 13, 1942.

Pat. 2,299,195. METHOD OF HEEL FORMING AND ATTACHING. Patented Oct. 20, 1942.

Pat. 2,299,808. PREWELT SHOE AND METHOD OF MANUFACTURING THE SAME. Patented Oct. 27, 1942.

Pat. 2,299,831. SHOE AND SHOE BOTTOM UNIT. Patented Oct. 27, 1942.

Pat. 2,299,840. WEDGE HEEL. Patented Oct. 27, 1942.

Pat. 2,301,311. MANUFACTURE OF WELT SHOES. Patented Nov. 10, 1942.

Pat. 2,302,789. INSOLE AND METHOD OF MAKING THE SAME. Patented Nov. 24, 1942.

Pat. 2,303,431. SHOE AND SHOE BOTTOM UNIT. Patented Dec. 1, 1942.

Pat. 2,303,450. METHOD OF MAKING SHOES. Patented Dec. 1, 1942.

Pat. 2,303,494. SHOE UPPER AND METHOD OF FINISHING. Patented Dec. 1, 1942.

Pat. 2,305,660. INSOLE AND METHOD OF MAKING THE SAME. Patented Dec. 22, 1942.

Pat. 2,311,738. SHOE. Patented February 23, 1943.

Pat. 2,312,527. WELT SHOE AND WELTING THEREFOR. Patented Mar. 2, 1943.

Pat. 2,312,531. PREWELT SHOE MANUFACTURE. Patented Mar. 2, 1943.

Pat. 2,313,892. BONDING BY ADHESIVE. Patented Mar. 16, 1943.

Pat. 2,313,902. SHOE AND METHOD OF MAKING SHOES. Patented Mar. 16, 1943.

Pat. 2,316,363. SHOE QUARTER AND METHOD OF FORMING SAME. Patented Apr. 13, 1943.

Pat. 2,317,475. SHOE BOTTOM UNITS AND METHOD OF MAKING THE SAME. Patented Apr. 27, 1943.

Pat. 2,318,103. SHOEMAKING METHOD. Patented May 4, 1943.

Pat. 2,318,678. METHOD OF SHAPING SHOE UPPERS. Patented May 11, 1943.

Pat. 2,319,288. SHOES AND METHOD OF MAKING THE SAME. Patented May 18, 1943.

Pat. 2,319,332. ART OF STIFFENING THE UPPERS OF SHOES. Patented May 18, 1943.

Pat. 2,320,475. METHOD USED IN THE MANUFACTURE OF SHOES. Patented June 1, 1943.

Pat. 2,321,713. SHOE AND SHOE BOTTOM UNIT AND METHOD OF MAKING THE SAME. Patented June 15, 1943.

Pat. 2,322,297. SHOE. Patented June 22, 1943.

Pat. 2,325,656. REINFORCING SHOE PARTS. Patented Aug. 3, 1943.

Pat. 2,325,682. METHOD OF MAKING PREWELT SHOES. Patented Aug. 3, 1943.

Pat. 2,326,216. SHOE AND OUTSOLE THEREFOR. Patented Aug. 10, 1943.

Pat. 2,330,273. MANUFACTURE OF SANDALS. Patented Sept. 28, 1943.

Pat. 2,330,823. METHOD OF MAKING PREWELT SHOES. Patented Oct. 5, 1943.

Pat. 2,332,653. FASTENING AND SHOES CONTAINING THE FASTENING. Patented Oct. 26, 1943.

Pat. 2,332,710. METHOD OF ATTACHING WOOD HEELS TO SHOES. Patented Oct. 26, 1943.

Pat. 2,333,301. OUTSOLE FOR SHOES. Patented Nov. 2, 1943.

Pat. 2,335,360. METHOD OF FINISHING SHOE UPPERS. Patented Nov. 30, 1943.

Pat. 2,337,092. METHOD OF ATTACHING SOLES TO SHOES. Patented Dec. 21, 1943.

Pat. 2,337,121. PREWELT SHOE AND METHOD OF MAKING THE SAME. Patented Dec. 21, 1943.

Pat. 2,338,787. METHOD OF MAKING ARTICLES. Patented Jan. 11, 1944.

Pat. 2,339,448. STIFFENING PORTIONS OF THE UPPERS OF SHOES. Patented Jan. 18, 1944.

Pat. 2,339,524. SHOE WELTING AND PROCESS OF MANUFACTURING THE SAME. Patented Jan. 18, 1944.

Pat. 2,339,525. SHOES AND METHODS OF SHOEMAKING. Patented Jan. 18, 1944.

Pat. 2,339,726. MANUFACTURE OF PLATFORM SHOES. Patented Jan. 18, 1944.

Pat. 2,340,582. SHOE AND METHOD OF MANUFACTURE. Patented Feb. 1, 1944.

Pat. 2,340,591. STIFFENING PORTIONS OF THE UPPERS OF SHOES. Patented Feb. 1, 1944.

Pat. 2,340,603. SHOE. Patented Feb. 1, 1944.

Pat. 2,340,632. SHOE MANUFACTURE. Patented Feb. 1, 1944.

Pat. 2,342,176. MANUFACTURE OF SHOES. Patented Feb. 22, 1944.

Pat. 2,342,815. MANUFACTURE OF SHOES. Patented Feb. 29, 1944.

Pat. 2,343,390. METHOD OF STIFFENING SHOES. Patented Mar. 7, 1944.

Pat. 2,343,983. METHOD OF OPERATING ON THERMOPLASTIC EYELETS. Patented Mar. 14, 1944.

Pat. 2,346,279. MANUFACTURE OF INSOLES. Patented Apr. 11, 1944.

Pat. 2,347,269. METHOD OF STRETCHING AND ASSEMBLING SHOE UPPERS ON LASTS. Patented Apr. 25, 1944.

Pat. 2,348,413. METHOD OF TEMPERING SOLES. Patented May 9, 1944.

Pat. 2,349,374. MANUFACTURE OF SHOES AND SHOE PARTS. Patented May 23, 1944.

Pat. 2,349,877. REINFORCING SHOE PARTS. Patented May 30, 1944.

Pat. 2,352,715. INSOLE. Patented July 4, 1944.

Pat. 2,354,338. SAFETY SHOE. Patented July 25, 1944.

Pat. 2,354,837. PREWELT SHOE MANUFACTURE. Patented Aug. 1, 1944.

Pat. 2,359,896. SHOE AND METHOD OF MAKING THE SAME. Patented Oct. 10, 1944.

Pat. 2,360,506. MANUFACTURE OF SHOES. Patented Oct. 17, 1944.

Pat. 2,361,511. TREAD UNIT FOR SHOES Patented Oct. 31, 1944.

Pat. 2,362,639. SHOE. Patented Nov. 14, 1944.

Pat. 2,364,816. SHOE. Patented Dec. 12, 1944.

Pat. 2,365,795. METHOD OF MAKING BACK PARTS OF SHOES. Patented Dec. 26, 1944.

Pat. 2,365,796. METHOD OF MAKING SHOES. Patented Dec. 26, 1944.

Pat. 2,369,670. RIVET. Patented Feb. 20, 1945.

Pat. 2,371,322. SHANK STIFFENER AND METHOD OF MAKING THE SAME. Patented Mar. 13, 1945.

Pat. 2,373,264. METHOD OF LASTING SHOES. Patented Apr. 10, 1945.

Pat. 2,375,961. MOCCASIN BLANK. Patented May 15, 1945.

Pat. 2,377,421. METHOD OF MAKING SHOES. Patented June 5, 1945.

Pat. 2,378,010. MANUFACTURE OF SHOES. Patented June 12, 1945.

Pat. 2,381,503. METHOD OF MAKING PLATFORM SHOES. Patented Aug. 7, 1945.

Pat. 2,394,705. METHOD OF MAKING SHOES Patented Feb. 12, 1946.

Pat. 2,394,725. SHOE. Patented Feb. 12, 1946.

Pat. 2,395,382. REINFORCED SOLE. Patented Feb. 26, 1946.

Pat. 2,396,313. COATED ARTICLE. Patented Mar. 12, 1946.

Pat. 2,397,245. METHOD OF TAPING MIDSOLES. Patented Mar. 26, 1946.

Devices

Pat. 1,769,344. SHOE RACK. Patented July 1, 1930.

Pat. 1,774,620. PREPARATION OF SHOE UPPERS. Patented Sept. 2, 1930.

Pat. 1,776,281. DEVICE FOR HOLDING CUTTING TOOLS. Patented Sept. 23, 1930.

Pat. 1,776,417. RACK. Patented Sept. 23, 1930.

Pat. 1,776,825. DEVICE FOR HOLDING UPPERS IN LASTED POSITION. Patented Sept. 30, 1930.

Pat. 1,781,690. CLAMPING APPARATUS FOR SHOE HEELS. Patented Nov. 18, 1930.

Pat. 1,783,587. DEVICE FOR SOFTENING STIFFENERS FOR BOOTS AND SHOES. Patented Dec. 2, 1930.

Pat. 1,783,961. TOOL SECURING DEVICE. Patented Dec. 9, 1930.

Pat. 1,784,454. LAST. Patented Dec. 9, 1930.

Pat. 1,789,298. ABRADING ROLL. Patented Jan. 20, 1931.

Pat. 1,790,064. LAST. Patented Jan. 27, 1931.

Pat. 1,797,296. CUTTER HOLDER. Patented Mar. 24, 1931.

Pat. 1,800,294. SHOE LAST STAND. Patented Apr. 14, 1931.

Pat. 1,801,336. BUFFING ROLL. Patented Apr. 21, 1931.

Pat. 1,805,539. DEVICE FOR ATTACHING HEELS. Patented May 19, 1931.

Pat. 1,805,553. SHOE NAIL. Patented May 19, 1931.

Re. 18,338. LAST. Reissued Jan. 19, 1932. (Original Patent No. 1,806,417; dated May 19, 1931.)

Pat. 1,814,553. FINISHING TOOL. Patented July 14, 1931.

Pat. 1,816,162. METALLIC FASTENING. Patented July 28, 1931.

Pat. 1,826,769. CARD HOLDER FOR SHOE RACKS. Patented Oct. 13, 1931.

Pat. 1,833,116. LAST. Patented Nov. 24, 1931.

Pat. 1,837,263. SHOE RACK. Patented Dec. 22, 1931.

Pat. 1,839,199. DEVICE FOR ASSEMBLING SHOE PARTS. Patented Jan. 5, 1932.

Pat. 1,856,127. SEPARABLE LAST. Patented May 3, 1932.

Pat. 1,857,177. DEVICE FOR USE IN COVERING HEELS. Patented May 10, 1932.

Pat. 1,859,439. TAG HOLDER. Patented May 24, 1932.

Pat. 1,867,623. HONING DEVICE. Patented July 19, 1932.

Pat. 1,884,882. INSOLE POSITIONING MEANS. Patented Oct. 25, 1932.

Pat. 1,891,985. FINISHING TOOL. Patented Dec. 27, 1932.

Pat. 1,898,288. DEVICE FOR ATTACHING WOODEN HEELS. Patented Feb. 21, 1933.

Pat. 1,899,057. WORK POSITIONING MEANS. Patented Feb. 28, 1933.

Pat. 1,900,053. RACK. Patented Mar. 7, 1933.

Pat. 1,903,279. ROTARY CUTTER. Patented Apr. 4, 1933.

Pat. 1,906,503. ABRADING MACHINE. Patented May 2, 1933.

Pat. 1,908,355. ABRASIVE COVER. Patented May 9, 1933.

Pat. 1,912,152. TOOL FOR WORKING LEATHER AND LIKE MATERIALS. Patented May 30, 1933.

Pat. 1,917,303. ABRADING AND SCOURING ROLL. Patented July 11, 1933.

Pat. 1,917,329. DEVICE FOR APPLYING ABRASIVE TOOL COVERS. Patented July 11, 1933.

Pat. 1,920,258. PERFORATING DIE. Patented Aug. 1, 1933.

Pat. 1,922,135. STITCH MARKING DEVICE. Patented Aug. 15, 1933.

Pat. 1,922,297. LIQUID CONTAINER. Patented Aug. 15, 1933.

Pat. 1,924,158. SHOE RACK. Patented Aug. 29, 1933.

Pat. 1,933,685. ABRADING TOOL. Patented Nov. 7, 1933.

Pat. 1,944,302. BUFFING TOOL. Patented Jan. 23, 1934.

Pat. 1,944,304. WORK HOLDER. Patented Jan. 23, 1934.

Pat. 1,948,643. ABRASIVE TOOL. Patented Feb. 27, 1934.

Pat. 1,948,666. SHOE RACK. Patented Feb. 27, 1934.

Pat. 1,953,209. CEMENT DISPENSING DEVICE. Patented Apr. 3, 1934.

Pat. 1,956,816. FINISHING BELT. Patented May 1, 1934.

Pat. 1,968,133. MARKING DEVICE. Patented July 31, 1934.

Pat. 1,968,891. FOUNTAIN COATING IMPLEMENT. Patented Aug. 7, 1934.

Pat. 1,976,776. EYELET. Patented Oct. 16, 1934.

Pat. 1,992,250. CUTTING DIE. Patented Feb. 26, 1935.

Pat. 1,995,304. DEVICE FOR DRESSING GRINDING WHEELS. Patented Mar. 26, 1935.

Pat. 1,995,323. COVERING TOOL. Patented Mar. 26, 1935.

Pat. 1,995,888. DIE. Patented Mar. 26, 1935.

Pat. 1,998,484. APPARATUS FOR MARKING SHOE BOTTOMS. Patented Apr. 23, 1935.

Pat. 2,006,353. CUT-OUT DIE. Patented July 2, 1935.

Pat. 2,013,853. VALVE FOR RECEPTACLE CLOSURES. Patented Sept. 10, 1935.

Pat. 2,014,069. BUFFING TOOL. Patented Sept. 10, 1935.

Pat. 2,017,990. ADHESIVE DISPENSING RECEPTACLE. Patented Oct. 22, 1935.

Pat. 2,018,671. ABRADING TOOL. Patented Oct. 29, 1935.

Pat. 2,018,774. ROTARY CUTTER. Patented Oct. 29, 1935.

Pat. 2,022,759. ABRADING TOOL. Patented Dec. 3, 1935.

Pat. 2,022,765. GAUGE. Patented Dec. 3, 1935.

Pat. 2,025,125. ABRADING TOOL. Patented Dec. 24, 1935.

Pat. 2,028,847. DUST REMOVING DEVICE. Patented Jan. 28, 1936.

Pat. 2,030,908. DISPENSING APPARATUS. Patented Feb. 18, 1936.

Pat. 2,047,256. ABRADING TOOL. Patented July 14, 1936.

Pat. 2,058,467. ABRADING DEVICE. Patented Oct. 27, 1936.

Pat. 2,068,694. HEEL FASTENING MEANS. Patented Jan. 26, 1937.

Pat. 2,072,129. ABRADING TOOL. Patented Mar. 2, 1937.

Pat. 2,072,130. ABRADING TOOL. Patented Mar. 2, 1937.

Pat. 2,076,776. ABRADING TOOL. Patented Apr. 13, 1937.

Pat. 2,081,879. LAST PROTECTOR. Patented May 25, 1937.

Pat. 2,087,880. ART OF ATTACHING HEELS TO SHOES. Patented July 27, 1937.

Pat. 2,087,881. FASTENING. Patented July 27, 1937.

Pat. 2,092,807. FASTENING. Patented July 29, 1936.

Pat. 2,094,894. ABRADING TOOL. Patented Oct. 5, 1937.

Pat. 2,096,738. LASTING TOOL. Patented Oct. 26, 1937.

Pat. 2,105,608. PORTABLE WORK SUPPORT. Patented Jan. 18, 1938.

Pat. 2,108,842. SELF-CLINCHING RIVET. Patented Feb. 22, 1938.

Pat. 2,110,937. MANUFACTURE OF COVERS FOR ABRASIVE TOOLS. Patented Mar. 15, 1938.

Pat. 2,124,645. SHOE RACK. Patented July 26, 1938.

Pat. 2,124,656. RACK. Patented July 26, 1938.

Pat. 2,131,846. LAST. Patented Oct. 4, 1938.

Pat. 2,147,875. LAST PROTECTION. Patented Feb. 21, 1939.

Pat. 2,165,394. CUTTING DIE. Patented July 11, 1939.

Pat. 2,203,792. SHOE TREE. Patented June 11, 1940.

Pat. 2,214,743. CUTTING DIE. Patented Sept. 17, 1940.

Pat. 2,219,465. LAST. Patented Oct. 29, 1940.

Pat. 2,225,053. SHEET APPLYING DEVICE. Patented Dec. 17, 1940.

Pat. 2,226,775. LAST. Patented Dec. 31, 1940.

Pat. 2,227,458. DEVICE FOR POSITIONING SOLES AND SHOES. Patented Jan. 7, 1941.

Pat. 2,228,453. SHOE RACK. Patented Jan. 14, 1941.

Pat. 2,229,726. FINISHING TOOL. Patented Jan. 28, 1941.

Pat. 2,232,804. ART OF SHOEMAKING. Patented Feb. 25, 1941.

Pat. 2,241,515. SOLE AND SHOE POSITIONING DEVICE. Patented May 13, 1941.

Pat. 2,243,073. SOLE AND SHOE POSITIONING DEVICE. Patented May 27, 1941.

Pat. 2,249,812. SPRING SUPPORT FOR HAND TOOLS. Patented July 22, 1941.

Pat. 2,259,450. SHIELDING DEVICE. Patented Oct. 21, 1941.

Pat. 2,259,578. LASTING TOOL. Patented Oct. 21, 1941.

Pat. 2,267,850. BRUSH AND METHOD OF MAKING SAME. Patented Dec. 30, 1941.

Pat. 2,268,856. METHOD OF AND APPARATUS FOR CUTTING BLANKS FROM SHEET MATERIAL. Patented Jan. 6, 1942.

Pat. 2,279,391. PROTECTIVE CAP FOR SPRAY GUNS. Patented Apr. 14, 1942.

Pat. 2,299,126. GRINDING MACHINE. Patented Oct. 20, 1942.

Pat. 2,308,513. LUBRICATING SYSTEM. Patented Jan. 19, 1943.

Pat. 2,319,828. WIRE UNCOILING APPARATUS. Patented May 25, 1943.

Pat. 2,328,549. METHOD OF AND MACHINE FOR GRINDING TWIST DRILLS. Patented Sept. 7, 1943.

Pat. 2,328,629. DRILL. Patented Sept. 7, 1943.

Pat. 2,335,315. DUST SEPARATING SYSTEM. Patented Nov. 30, 1943.

Pat. 2,352,093. EYELET SETTING TOOL. Patented June 20, 1944.

Pat. 2,373,109. WINDING MACHINE. Patented Apr. 10, 1945.

Pat. 2,393,984. GROMMET AND WASHER ASSEMBLAGE. Patented Feb. 5, 1946.

Miscellaneous

Pat. 1,775,122. ELECTRIC STEAM BOILER. Patented Sept. 9, 1930.

Pat. 1,776,427. ART OF FOLDING BOOK COVERS. Patented Sept. 23, 1930.

Pat. 1,777,096. MANUFACTURE OF STRING OR TWINE. Patented Sept. 30, 1930.

Pat. 1,786,496. METHOD OF FORMING MATERIAL. Patented Dec. 30, 1930.

Pat. 1,802,792. THERMOSTATICALLY-CONTROLLED SWITCH. Patented Apr. 28, 1931.

Pat. 1,821,166. ART OF MAKING SHEET MATERIAL. Patented Sept. 1, 1931.

Pat. 1,830,593. MOUNTING DEVICE. Patented Nov. 3, 1931.

Pat. 1,837,433. MANUFACTURE OF PAPER TWINE. Patented Dec. 22, 1931.

Pat. 1,837,523. ART OF MAKING CLICKING DIES. Patented Dec. 22, 1931.

Pat. 1,837,524. DIE STOCK. Patented Dec. 22, 1931.

Pat. 1,838,792. ART OF MANUFACTURING RUBBER GOODS. Patented Dec. 29, 1931.

Pat. 1,841,447. ELECTRICAL CONDUCTOR. Patented Jan. 19, 1932.

Pat. 1,848,135. METHOD OF PRODUCING AN ADHERENT FILM OF RUBBER ON THE GRAIN SURFACE OF VEGETABLE TANNED LEATHER. Patented Mar. 8, 1932.

Pat. 1,883,335. METHOD OF MAKING DIES. Patented Oct. 18, 1932.

Pat. 1,903,280. METHOD OF MAKING ROTARY CUTTERS. Patented Apr. 4, 1933.

Pat. 1,911,437. SUPPORT. Patented May 30, 1933.

Pat. 1,932,543. ARTICLE OF FURNITURE. Patented Oct. 31, 1933.

Pat. 1,948,547. LAST AND SHOE GRADING. Patented Feb. 27, 1934.

Pat. 1,953,968. METHOD OF TANNING HIDES AND SKINS. Patented Apr. 10, 1934.

Pat. 1,954,798. MATERIAL AND METHOD APPLICABLE TO THE TREATING OF HIDES, SKINS, AND LEATHER. Patented Apr. 17, 1934.

Pat. 1,971,496. ART OF TANNING HIDES AND SKINS. Patented Aug. 28, 1934.

Pat. 1,978,545. METHOD OF MAKING LEATHER. Patented Oct. 30, 1934.

Pat. 1,986,925. BELT AND METHOD OF MAKING IT. Patented Jan. 8, 1935.

Pat. 2,014,458. STORAGE APPARATUS. Patented Sept. 17, 1935.

Pat. 2,094,868. MOLDING COMPOUND. Patented Oct. 5, 1937.

Pat. 2,110,961. TANNING OF HIDES AND SKINS. Patented Mar. 15, 1938.

Pat. 2,118,070. SLICKER TOOL. Patented May 24, 1938.

Pat. 2,125,944. TANNING OF HIDES AND SKINS. Patented Aug. 9, 1938.

Pat. 2,168,478. METHOD OF DRYING HIDES AND SKINS. Patented Aug. 8, 1939.

Pat. 2,170,166. METHOD OF MAKING CUTTING DIES AND BLADE STOCK THEREFOR. Patented Aug. 22, 1939.

Pat. 2,208,696. METHOD OF TREATING LEATHER. Patented July 23, 1940.

Pat. 2,208,701. METHOD OF AND COMPOSITION FOR TEMPERING LEATHER. Patented July 23, 1940.

Pat. 2,208,809. TREATMENT OF LEATHER. Patented July 23, 1940.

Pat. 2,218,593. SHUTTLE FOR GAME OF BADMINTON. Patented Oct. 22, 1940.

Pat. 2,226,776. TANNING OF HIDES AND SKINS. Patented Dec. 31, 1940.

Pat. 2,264,417. METHOD OF MAKING LASTS. Patented Dec. 2, 1941.

Pat. 2,274,060. MOLD AND MOLD MAKING METHOD. Patented Feb. 24, 1942.

Pat. 2,280,830. COLLOIDAL DISPERSION. Patented Apr. 28, 1942.

Pat. 2,280,894. STEAM GENERATOR. Patented Apr. 28, 1942.

Pat. 2,281,587. METHOD OF MAKING CUTTING DIES. Patented May 5, 1942.

Pat. 2,287,840. RELIEF VALVE. Patented June 30, 1942.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 19, 1947

[VOL. 601. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 513,552. CELLUSUEDE PRODUCTS, INC., Rockford, Ill. Filed Dec. 2, 1946.

Cellusuede

FOR FLOCK MADE FROM RAYON, COTTON, AND WOOL FIBERS.
Claims use since on or about Aug. 22, 1941.

CLASS 2

RECEPTACLES

Ser. No. 489,976. AUGUSTUS MIERSON, doing business as Mierson Products Company, San Francisco, Calif. Filed Oct. 15, 1945.

mipro

FOR SANITARY NAPKIN DISPOSAL CANS, DISPOSAL CANS FOR WASTE BOTH OPEN AND SWING-TOP, WASTEPAPER BASKETS, PAPER TOWEL DISPENSERS, STEP-ON GARBAGE CANS, AND METAL SAND URNS.
Claims use since Dec. 15, 1944.

Ser. No. 491,679. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware. Filed Nov. 15, 1945.

Dehydrapac

FOR POUCHES, BAGS, AND OPEN ENDED TUBES MADE OF LOW WATER VAPOR PERMEABILITY PACKAGING MATERIALS TO BE USED IN CONJUNCTION WITH DESICCANTS IN MOISTUREPROOF PACKAGING OF ARTICLES.
Claims use since Oct. 25, 1945.

Ser. No. 521,582. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 30, 1947.

100%

HUNDRED PER CENT.

FOR VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY.
Claims use since Apr. 22, 1947.

Ser. No. 523,191. LES PARFUMS DE DANA, INC., New York, N. Y. Filed May 28, 1947.

PRIORITY

FOR VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY.
Claims use since May 1, 1947.

Ser. No. 523,381. WILBERT W. HAASE CO., Forest Park, Ill. Filed June 2, 1947.

CONTINENTAL

The drawing is lined for blue and gold.
FOR BURIAL VAULTS.
Claims use since September 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 506,481. JOHN W. STEUBE, doing business as The Physicians Supply Company, Cincinnati, Ohio. Filed July 29, 1946. Under 10-year proviso.

PHYSICIANS' SURGEONS'

FOR SOAP.
Claims use since 1885.

Ser. No. 507,879. GERALD M. BAXTER, doing business as The Remagin Company, Baltimore, Md. Filed Aug. 23, 1946.

BLING

FOR CHEMICAL SPOT REMOVING COMPOUND FOR REMOVING SPOTS FROM FABRICS.
Claims use since Nov. 21, 1945.

Ser. No. 507,989. MELTONIAN, E. BROWN & SON, LIMITED, London, England. Filed Aug. 24, 1946.

MELTONIAN

FOR PREPARATIONS FOR CLEANING, DRESSING, PRESERVING, AND POLISHING LEATHER AND ENAMELLED LEATHER GOODS.
Claims use since 1840.

Ser. No. 508,019. THE BAY CHEMICAL CO., INC., Bay City, Mich. Filed Aug. 26, 1946.

WHISK

FOR LIQUID SOAP FOR GENERAL LAUNDRY USE.
Claims use since July 2, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 469,514. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 20, 1944.

VACULE

FOR ALLERGENIC EXTRACT, ROCKY MOUNTAIN POLLEN MIXTURE; AN ANTIBIOTIC, PENICILLIN; AN ANTITOXIN, TETANUS ANTITOXIN; AN ANTIVENIN, NEARTIC CROTALIDAE ANTIVENIN; A COMPLEMENT (REAGENT), GUINEA PIG SERUM COMPLEMENT; SERUMS, INCLUDING ANTIBRUCELLA, ANTIANTHRAX, AND ANTITULAREMIC SERUMS; AND A HORMONE, CHORIONIC GONADOTROPIN.
Claims use since May 17, 1935.

Ser. No. 472,128. SUPERIOR PRODUCTS COMPANY, doing business under the name S-P Laboratories, Dallas, Tex. Filed July 11, 1944.

Sue Preé

FOR COSMETICS AND TOILET PREPARATIONS—NAMELY, AFTER-SHAVE LOTION, TOILET WATER, PERFUME, SHAMPOO, BRILLIANTINE, HAIR TONIC, HAIR DRESSING, HAIR POMADE, HAIR OIL, WAVE SET, BLEACH CREAM, HAND AND FACE CREAMS, HAND AND FACE LOTIONS, CREAM DEODORANT, LIQUID DEODORANT, FACE POWDER, SACHET POWDER, TALCUM POWDER, FINGER NAIL POLISH, NAIL POLISH REMOVER, LIQUID PETROLATUM, AND PETROLEUM JELLY (PERFUMED).
Claims use since May 30, 1928.

Ser. No. 473,348. RALPH N. TAKAKI, doing business as Takaki Sanyodo, Honolulu, Territory of Hawaii. Filed Aug. 16, 1944.

FURUCHI-JO

The word "Jo" is disclaimed apart from the mark.
FOR MEDICINE FOR THE RELIEF OF HYSTERIA, IRRITABILITY, MUSCULAR PAIN, AND AS AN ALTERATIVE.
Claims use since March 1942.

Ser. No. 497,039. HAROLD L. POLACHECK, New York, N. Y. Filed Feb. 21, 1946.



No claim is made to the word "Gentlemen's" apart from the mark as shown.
FOR AFTER-SHAVING LOTION, COLOGNE REFRESHER, AND HAND AND FOOT LOTION.
Claims use since Jan. 15, 1946.

Ser. No. 497,241. JULIUS GUCKENHEIMER, doing business as Ronsard Perfumers, New York, N. Y. Filed Feb. 26, 1946.



No claim is made to the word "Mexicali" apart from the mark.
FOR PERFUMES AND TOILET WATER.
Claims use since May 1945.

Ser. No. 497,242. JULIUS GUCKENHEIMER, doing business as Ronsard Perfumers, New York, N. Y. Filed Feb. 26, 1946.



No claim is made to the word "Paris" and/or to the representation of the outline of the label apart from the association shown.
FOR PERFUMES AND TOILET WATER.
Claims use since May 1945.

Ser. No. 497,975. HARRY SHAPIRO, doing business as Chemical Specialties Company, New York, N. Y. Filed Mar. 9, 1946.



Applicant disclaims the representation of the outline of the label.
FOR DISINFECTANT.
Claims use since May 1934.

Ser. No. 500,258. J. A. STANLEY, trading as Stanley Industries, Seattle, Wash. Filed Apr. 15, 1946.



The portrait in the drawing is fanciful. No claim is made to the word "Rat" apart from the mark as shown.
FOR RODENTICIDES.
Claims use since Jan. 2, 1940.

Ser. No. 502,381. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed May 18, 1946.

BETA-CEVALIN COMPOUND

Applicant disclaims the words "Beta" and "Compound" apart from the mark.
FOR PRODUCTS CONTAINING A COMBINATION OF MEASURED UNITS OF VITAMINS B COMPLEX AND C.
Claims use since Jan. 2, 1941.

Ser. No. 502,579. JAMES HOWARD HEAL, doing business as Heal's Densiti-Flo Company, San Francisco, Calif. Filed May 22, 1946.



No claim is made to the word "Heal's."
FOR FEED AND BRINE TREATMENT.
Claims use since Apr. 16, 1946.

Ser. No. 506,032. JAMES HOWARD HEAL, doing business as Evaporator Service & Supply Company, San Francisco, Calif. Filed July 22, 1946.



The word "Treat" and the words appearing in the dotted enclosure are disclaimed apart from the mark, as well as the words "Linefo-Ratio," "Densiti-Flo," "Systems" and "Simplified" appearing in the border of the circle.

FOR FEED AND BRINE TREATMENT—NAMELY, CHEMICAL BOILER COMPOUNDS.
Claims use since May 29, 1946.

Ser. No. 507,217. QUALITY PRODUCTS CO., INC., New York, N. Y. Filed Aug. 10, 1946.



FOR PERFUMED SACHET IN POWDER FORM, PERFUME, AND COLOGNE.
Claims use since May 8, 1946.

Ser. No. 507,669. ALBERT BASSELL, INC., Ardsley, N. Y. Filed Aug. 20, 1946.



FOR TOOTH PASTE.
Claims use since Aug. 16, 1946.

Ser. No. 507,843. PRICHARD & CONSTANCE (AMAMI) INC., Bloomfield, N. J. Filed Aug. 22, 1946.



FOR PURE HENNA, HENNA PACKS, HENNA TINTS, AND HENNA RINSES.
Claims use since Jan. 2, 1927.

Ser. No. 507,871. WYANDOTTE CHEMICAL CORPORATION, Wyandotte, Mich. Filed Aug. 22, 1946.

No. 290

FOR ALKALINE CARBONATE COMPOSITION, PARTICULARLY ADAPTED FOR USE IN INDUSTRIAL METAL TREATING-, LAUNDRY-, FOOD-, AND BEVERAGE-PROCESSES.
Claims use since on or about Dec. 19, 1920.

Ser. No. 508,087. THE ALKALITHIA COMPANY, Baltimore, Md. Filed Aug. 27, 1946. Under 10-year proviso as to "Alkalithia."



FOR ANTACIDS.
Claims use since Jan. 2, 1891, as to "Alkalithia"; and since Nov. 14, 1945, as to the mark shown.

Ser. No. 508,128. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 27, 1946.

CERTAINLY RED

The word "Red" is disclaimed apart from the mark.
FOR NAIL ENAMEL, LIPSTICKS, AND ROUGE.
Claims use since July 16, 1946.

508,235. NATIONAL AGROL COMPANY, Washington, D. C. Filed Aug. 29, 1946.

PHYLLETS

FOR MEDICINAL CHEWING GUM, SOOTHING AND REFRESHING TO ORAL TISSUES, CONTAINING CHLOROPHYLL AND CAROTENOIDS.
Claims use since July 16, 1946.

Ser. No. 508,259. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Aug. 30, 1946.

PARFORCE

FOR PERFUMES AND LIPSTICKS.
Claims use since Aug. 8, 1946.

Ser. No. 508,260. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Aug. 30, 1946.

PATHETIQUE

FOR PERFUMES AND LIPSTICKS.
Claims use since Aug. 8, 1946.

Ser. No. 508,261. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Aug. 30, 1946.

SYMPATHY

FOR PERFUMES AND LIPSTICKS.
Claims use since Aug. 8, 1946.

Ser. No. 508,896. VIRGINIA DEMORO, doing business as V. Demoro, Riverside, N. Y. Filed Sept. 12, 1946.



FOR SKIN LOTION.
Claims use since August 1946.

Ser. No. 509,192. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Sept. 17, 1946.

CHOU-CHOU

FOR PERFUMES AND LIPSTICKS.
Claims use since Sept. 10, 1946.

Ser. No. 509,194. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Sept. 17, 1946.

FLOWERS SPEAK

FOR PERFUMES AND LIPSTICKS.
Claims use since Sept. 10, 1946.

Ser. No. 509,208. GERMAINE RENE DUVAL, doing business as Parfums Volnay, Suresnes, France. Filed Sept. 17, 1946.

TRÈS FRANÇAIS

The word "Francai's" is disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since May 1937.

Ser. No. 509,332. BOTANY WORSTED MILLS, Passaic, N. J. Filed Sept. 19, 1946.

Checker-berry

FOR LIPSTICKS.
Claims use since Sept. 8, 1946.

Ser. No. 510,535. PICOT LABORATORIES, INC., Wilmington, Del., and New York, N. Y. Filed Oct. 9, 1946.

PICOT

FOR BICARBONATE OF SODA, LAXATIVES, DIURETICS, MAGNESIA, AND VITAMIN PREPARATIONS.
Claims use since 1922.

Ser. No. 510,608. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Oct. 10, 1946.

NOVOL - MONOCAINE

FOR LOCAL ANESTHETIC MATERIAL MADE IN SOLUTION, POWDERED OR TABLET FORMS.
Claims use since on or about Sept. 27, 1946.

Ser. No. 510,986. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y. Filed Oct. 16, 1946.

DENTACEVIN

FOR TABLETS CONTAINING NIACINAMIDE AND ASCORBIC ACID.
Claims use since February 1946.

Ser. No. 511,016. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Oct. 17, 1946.

Bright Sail

FOR AMMONIA, LAUNDRY BLEACH, AND LIQUID BLUE.
Claims use since Feb. 16, 1946, as to laundry bleach; and since Aug. 9, 1946, as to ammonia and liquid blue.

Ser. No. 511,167. C. F. KIRK COMPANY, New York, N. Y. Filed Oct. 19, 1946.

FLUORESCITE

FOR STERILE SOLUTION GENERALLY USED INTRAVENOUSLY AS AN AID TO VISUALIZE ABNORMAL CONDITIONS IN THE BODY AND AS A MEANS OF DETERMINING CIRCULATION TIME IN THE BLOOD.
Claims use since January 1941.

Ser. No. 511,233. NORAMEX COMPANY, New York, N. Y., assignor to Noramex Company, Inc., New York, N. Y., a corporation of New York. Filed Oct. 21, 1946.

SPUMOL

FOR CREAM SHAMPOO.
Claims use since Aug. 20, 1946.

Ser. No. 511,234. NORAMEX COMPANY, New York, N. Y., assignor to Noramex Company, Inc., New York, N. Y., a corporation of New York. Filed Oct. 21, 1946.

SIRENA

FOR BRILLIANTINE.
Claims use since Aug. 20, 1946.

Ser. No. 511,235. NORAMEX COMPANY, New York, N. Y., assignor to Noramex Company, Inc., New York, N. Y., a corporation of New York. Filed Oct. 21, 1946.

TULOSAN

FOR COUGH SYRUP.
Claims use since Aug. 20, 1946.

Ser. No. 511,320. DODGE & OLCOTT, INC., New York, N. Y. Filed Oct. 23, 1946.

622

FOR INSECT REPELLENT LIQUID AND AN INSECT REPELLENT CREAM.
Claims use since July 9, 1946, on insect repellent liquid; and since Aug. 5, 1946, on insect repellent cream.

Ser. No. 511,453. HENRY GOSLAR CARSTENS, doing business as H. Goslar Carstens, New York, N. Y. Filed Oct. 25, 1946.

ETONIN

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF KIDNEY CONDITIONS.
Claims use since Aug. 21, 1946.

Ser. No. 511,455. DAY CHEMICAL COMPANY, Newark, N. J. Filed Oct. 25, 1946.

FENEX

FOR EXTERNAL INSECT REPELLANT FOR ANIMALS.
Claims use since Mar. 5, 1946.

Ser. No. 511,656. WILLIAM T. VASSILATOS, doing business as Anchor Shoe Polish Mfg. Co., Chicago, Ill. Filed Oct. 28, 1946.



FOR SHOE DYE.
Claims use since Nov. 7, 1919.

Ser. No. 511,724. THE BUROMIN COMPANY, Pittsburgh, Pa. Filed Oct. 30, 1946.

BUROSIL

FOR CHEMICAL COMPOUND FOR TREATING STEAM BOILER WATER, PARTICULARLY IN LOW PRESSURE BOILERS, TO PREVENT THE FORMATION OF BOILER SCALE.
Claims use since Sept. 20, 1944.

Ser. No. 511,758. PARFUMS VERCHERE (PARFUMS JEROME) SOCIÉTÉ A RESPONSABILITE LIMITÉE, Paris, France. Filed Oct. 30, 1946.

TOAST

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Mar. 20, 1945.

Ser. No. 511,773. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 30, 1946.

Citrasulfas

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES.
Claims use since Sept. 9, 1946.

Ser. No. 512,020. RODNEY S. ROSE, doing business as Lanolin Company of America, Los Angeles, Calif. Filed Nov. 4, 1946.

RAMSHEAD

FOR CREAM HAIR DRESSING.
Claims use since Oct. 23, 1946.

Ser. No. 512,044. AVON PRODUCTS, INC., New York, N. Y. Filed Nov. 5, 1946.

MERRIMENT

FOR LIPSTICKS, ROUGES, AND NAIL POLISH.
Claims use since Oct. 17, 1946.

Ser. No. 512,491. THE EASTERN LIGHT COMPANY, Allentown, Pa. Filed Nov. 13, 1946.

Eastern GAS

No claim is made to the word "Gas" apart from the mark as shown.
FOR PROPANE BOTTLED GAS.
Claims use since July 1, 1946.

Ser. No. 513,536. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Nov. 30, 1946.

ZIPOLITE

FOR WETTING OUT AGENT USED IN TEXTILE PROCESSING.
Claims use since Oct. 24, 1946.

Ser. No. 515,530. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 10, 1947.

BRASSLYFE

FOR CORROSION PREVENTIVE COMPOSITIONS; THE COMPOSITIONS ARE FURNISHED IN A LIQUID FORM AND ARE APPLIED EITHER AS FURNISHED OR UPON DILUTION WITH A SUITABLE THINNER, SUCH AS KEROSENE OR THE LIKE; UPON EVAPORATION THEY FORM A METAL PROTECTIVE COATING, WHICH CAN BE WIPED OFF WITH A RAG OR DISSOLVED OFF WITH A SOLVENT OR DEGREASER WHEN REQUIRED.
Claims use since June 1946.

Ser. No. 516,827. THE CRAMER CHEMICAL COMPANY, Gardner, Kans. Filed Feb. 3, 1947.

NITROTAN

FOR LIQUID GERMICIDE PREPARATION FOR EXTERNAL USE.
Claims use since January 1935.

Ser. No. 516,934. MARIAN CHAMBLIS, Chicago, Ill. Filed Feb. 5, 1947.

ANGELINE

FOR SCALP OIL AND MASSAGE.
Claims use since Dec. 1, 1945.

Ser. No. 517,703. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Feb. 18, 1947. Under 10-year proviso.

JOHN DWIGHT & CO'S

FOR BICARBONATE OF SODA AND BAKING SODA.
Claims use since 1876.

Ser. No. 518,032. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 24, 1947.

ERUSTOMOTH

FOR INSECTICIDES.
Claims use since Dec. 31, 1946.

Ser. No. 518,279. DEXTER CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 28, 1947.

DEXOLENE

FOR WETTING AGENTS, WATER SOLUBLE OILS AND SOFTENERS FOR ORGANIC FIBROUS MATERIAL, TEXTILE ASSISTANTS, DYE LEVELING AGENTS, AND EMULSIFYING AGENTS.
Claims use since January 1946.

Ser. No. 518,361. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Mar. 1, 1947.

SYNTACLO

FOR OINTMENT FOR THE TREATMENT OF ECZEMA.
Claims use since September 1946.

Ser. No. 518,362. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed Mar. 1, 1947.

TRYDECYL

FOR OINTMENT FOR THE TREATMENT OF ATHLETE'S FOOT.
Claims use since June 1946.

Ser. No. 518,532. HYNSON, WESTCOTT & DUNNING, INCORPORATED, Baltimore, Md. Filed Mar. 5, 1947.

DALYDE

FOR PHARMACEUTICAL PREPARATIONS FOR EXTERNAL USE HAVING ANTISEPTIC AND FUNGICIDAL PROPERTIES.
Claims use since Jan. 9, 1947.

Ser. No. 518,771. MILL CREEK PRODUCTS, Kansas City, Mo. Filed Mar. 10, 1947.

MCP

FOR INSECTICIDES.
Claims use since May 29, 1945.

Ser. No. 518,856. SUN OIL COMPANY, Philadelphia, Pa. Filed Mar. 11, 1947.

CIRCOMAR

FOR PLASTICIZER FOR RUBBER.
Claims use since Jan. 24, 1947.

Ser. No. 519,483. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 24, 1947.

BIOQUIN

FOR CHEMICAL PRODUCTS FOR USE AS AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since Feb. 7, 1947.

Ser. No. 519,649. GOURIELLI, INC., New York, N. Y. Filed Mar. 27, 1947.

TIPSY

FOR PERFUME.
Claims use since Feb. 15, 1947.

Ser. No. 519,789. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 28, 1947.

DEKA

FOR PREPARATION FOR USE AS A COUGH SEDATIVE AND EXPECTORANT.
Claims use since on or about Mar. 12, 1947.

Ser. No. 519,790. WOOLFOLK CHEMICAL WORKS, LTD., Fort Valley, Ga. Filed Mar. 28, 1947.

SABANE

FOR INSECTICIDE.
Claims use since October 1946.

Ser. No. 520,221. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed Apr. 5, 1947.

PITUGONIN

FOR PREPARATION OF GONADOTROPIN HORMONE FROM PREGNANT MARE SERUM USED FOR STATES OF STERILITY, AMENORRHEA, FUNCTIONAL UTERINE BLEEDING, HYPOGENITALISM, ETC.
Claims use since Mar. 7, 1947.

Ser. No. 520,228. THE NEW YORK GRANDE MAISON DE BLANC CORPORATION, New York, N. Y. Filed Apr. 5, 1947.

NORTH SHORE

FOR PERFUME.
Claims use since Jan. 20, 1947.

Ser. No. 520,469. PROFESSIONAL DRUGS, INC., New York, N. Y. Filed Apr. 10, 1947.

Brevosol

FOR ANTIPRURITIC, ANALGESIC, AND ASTRINGENT OINTMENT.
Claims use since on or about Mar. 27, 1947.

Ser. No. 520,509. EYNON JONES, doing business as Nutritional Products Co., Portland, Oreg. Filed Apr. 11, 1947.

Sanicoat

FOR COMBINATION GERMICIDE, INSECTICIDE, AND DEODORANT USED IN CHEMICALLY TREATED FLOORS, GUTTERS, AND WALLS.
Claims use since Aug. 1, 1945.

Ser. No. 520,523. THE WILLIAM M. PARKIN CO., Pittsburgh, Pa. Filed Apr. 11, 1947.

"NEPTUNE"

FOR ORGANIC COMPOUND, ON WETTING AGENTS, LIQUID AND DRY, TO BE USED TO REDUCE THE SURFACE TENSION OF ANY SOLUTION SO THAT THE WATER OF THE SOLUTION WILL NOT ADHERE TO THE METAL BUT RUN OFF QUICKLY TO PREVENT STAINS ON THE METAL OR CONTAMINATION FOR SUBSEQUENT TREATMENTS OF THE SAID METAL.
Claims use since July 1946.

Ser. No. 520,702. HUNTINGTON LABORATORIES, INC., Huntington, Ind. Filed Apr. 15, 1947.

SAN PHENO

FOR PERFUMED DISINFECTANT AND HOSPITAL GERMICIDE.
Claims use since Dec. 15, 1931.

Ser. No. 520,760. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 15, 1947.

STEROX

FOR CHEMICAL PRODUCTS FOR USE AS INSECTICIDES, FUNGICIDES, HERBICIDES, AND RODENTICIDES.
Claims use since about Feb. 24, 1947.

Ser. No. 520,779. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 15, 1947.

LEVOPHED

FOR DECONGESTANT AND VASOCONSTRICTOR PREPARATION.
Claims use since Mar. 27, 1947.

Ser. No. 520,790. ARTHUR BECK COMPANY, Chicago, Ill. Filed Apr. 16, 1947.

Baitu

FOR RODENTICIDE.
Claims use since Mar. 24, 1947.

Ser. No. 520,810. J. M. HUBER CORPORATION, Locust, N. J., and New York, N. Y. Filed Apr. 16, 1947.

AKTONE

FOR CHEMICAL COMPOUND FOR USE IN NATURAL OR SYNTHETIC RUBBER TO ACTIVATE VULCANIZATION ACCELERATORS.
Claims use since Mar. 6, 1947.

Ser. No. 520,812. JULIUS HYMAN & COMPANY, Denver, Colo. Filed Apr. 16, 1947.

OCTA-KLOR

FOR INSECTICIDES.
Claims use since Mar. 15, 1947.

Ser. No. 520,860. CHAS. PFIZER & CO., INC., New York, N. Y. Filed Apr. 17, 1947.

A★C★M

FOR MIXTURE OF ASCORBIC ACID AND CITRUS ACID FOR TREATING FRESH AND PRESERVED FRUITS AND VEGETABLES.
Claims use since Apr. 1, 1947.

Ser. No. 521,256. PAUL JOHN GUNDLACH, doing business as Fremont Products Company, Cleveland, Ohio. Filed Apr. 24, 1947.

CERAYA

FOR LAXATIVE.
Claims use since November 1945.

Ser. No. 521,488. THE M. E. TRACY CO., Memphis, Tenn. Filed Apr. 28, 1947.

THEZON

FOR TABLETS FOR ASTHMA AND HAY FEVER.
Claims use since Jan. 20, 1947.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 510,135. U. S. FIBER & PLASTICS CORP., Stirling, N. J. Filed Oct. 2, 1946.



FOR TOBACCO POUCHES MADE OF PLASTIC SHEETING.
Claims use since Sept. 12, 1946.

Ser. No. 511,288. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Oct. 22, 1946.



FOR CIGARETTE CASES NOT MADE IN WHOLE OR IN PART OF PRECIOUS METAL.
Claims use since May 17, 1946.

CLASS 10

FERTILIZERS

Ser. No. 509,324. ATKINS & DUBBROW, INC., New York, N. Y. Filed Sept. 19, 1946.



The drawing is lined for the colors red, green, and black and this coloring is an essential feature of the mark.
FOR FERTILIZER.
Claims use since January 1946.

Ser. No. 512,185. LION OIL COMPANY, El Dorado, Ark. Filed Nov. 7, 1946.



FOR FERTILIZERS.
Claims use since Sept. 3, 1946.

Ser. No. 517,226. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Feb. 10, 1947.

AEROPRILLS

FOR AMMONIUM NITRATE FOR FERTILIZING PURPOSES.
Claims use since Jan. 17, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 510,541. ALBERT RHODES, doing business as Cleveland Valve Company, Cleveland, Ohio. Filed Oct. 9, 1946.

CLEVALVE

FOR VALVES, FAUCETS, AND PARTS THEREFOR.
Claims use since Apr. 10, 1938.

Ser. No. 513,039. THE ENTERPRISE ALUMINUM COMPANY, Massillon, Ohio. Filed Nov. 22, 1946.



FOR BASE METAL COOKING HOLLOW WARE—NAMELY, DRIP COFFEE MAKERS, TEA KETTLES, PERCOLATORS, COVERED SAUCE PANS, COVERED SAUCE POTS, COVERED KETTLES, DOUBLE BOILERS, COMBINATION COOKERS AND LIPPED SAUCE PANS.
Claims use since the year 1918.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 517,942. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Feb. 21, 1947.

REFRACTALOY

FOR HIGH TEMPERATURE ALLOYS.
Claims use since on or about Oct. 8, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 513,372. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Nov. 29, 1946.

AMOCO

FOR GASOLINE.
Claims use since Sept. 5, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 511,101. P. R. MYERS & Co., New York, N. Y. Filed Oct. 18, 1946.

DON SARABAN

FOR CIGARS.
Claims use since Feb. 7, 1927.

CLASS 19

VEHICLES

Ser. No. 495,824. THE RAPIDS-STANDARD COMPANY, INC., Grand Rapids, Mich. Filed Feb. 1, 1946.



The representation of the blacksmith is fanciful. Applicant disclaims the words "The Rapids-Standard Company, Inc., Grand Rapids, Michigan" apart from the mark.
FOR STEEL-FORGED AND MOLDED PLASTIC CASTERS TO BE USED ON HAND TRUCKS, DOLLIES, CRANES, MOVING PLATFORMS, ASSEMBLY TRUCKS, AND PORTABLE CONVEYOR SUPPORTS, AND PARTS THEREOF.
Claims use since Oct. 10, 1939.

Ser. No. 511,009. CUSHMAN OVERSEAS CO., New York, N. Y., assignor to Cushman Overseas Corporation, New York, N. Y., a corporation of New York. Filed Oct. 17, 1946.

MOTOGLISSE

FOR TWO AND THREE WHEEL MOTOR SCOOTERS AND MOTORCYCLES.
Claims use since Oct. 10, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,581. NELSON TOMBACHER CO., New York, N. Y. Filed June 15, 1945.

PRO-PHYL-AIRE

Applicant disclaims the word "Aire" apart from the mark as shown.
FOR WALL FIXTURES AND PORTABLE FIXTURES FOR SUPPORTING ELECTRIC GERMICIDAL LAMPS.
Claims use since Mar. 15, 1945.

Ser. No. 489,801. FREDERICK HART & CO., INC., Poughkeepsie, N. Y. Filed Oct. 11, 1945.

HARTRON

FOR ELECTRICAL RECORDING AND REPRODUCING APPARATUS FOR RECORDING AND REPRODUCING EMBOSSED OR CUT SOUND-ON-FILM SOUND RECORDS.
Claims use since Aug. 21, 1945.

Ser. No. 494,885. BELLINGHAM MANUFACTURING CO., Bellingham, Wash. Filed Jan. 17, 1946.

A Belco PRODUCT

No claim is made to the words "A Product" apart from the mark as shown.
FOR GASOLINE OR OIL OPERATED PORTABLE ELECTRIC GENERATORS.
Claims use since September 1942.

Ser. No. 495,909. ROBBINS & MYERS, INC., Springfield, Ohio. Filed Feb. 2, 1946.

R&M Uni-Shell

The word "Shell" is disclaimed apart from the mark.
FOR ELECTRIC MOTORS.
Claims use since on or about Oct. 7, 1942.

Ser. No. 500,348. ACADEMY AWARD PRODUCTS, INC., New York, N. Y. Filed Apr. 17, 1946.

ACADEMY AWARD

FOR ELECTRIC STOVES, ELECTRIC WAFFLE IRONS, ELECTRIC TOASTERS, ELECTRIC LAMPS, PORTABLE HAND ELECTRIC GRINDERS, RADIO RECEIVERS, AND TELEVISION RECEIVERS.
Claims use since Feb. 6, 1946.

Ser. No. 507,635. HOLUB INDUSTRIES, INC., Sycamore, Ill. Filed Aug. 19, 1946.

Hi

FOR BAKELITE WIRE CONNECTORS; PORECLAIN WIRE CONNECTORS; FUSE CLIP CLAMPS; FUSE REDUCERS; PORTABLE ELECTRIC BLOWERS AND CLEANERS FOR CLEANING MOTORS AND INDUSTRIAL MACHINERY; AND FLASHLIGHTS.
Claims use since Apr. 9, 1946.

Ser. No. 515,386. NORTH AMERICAN PRODUCTS COMPANY, INC., Wayne, Mich. Filed Jan. 7, 1947.

NAPCO

FOR AUTOMATIC HAND ELECTRIC IRONS.
Claims use since July 23, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 510,960. E. A. LALLEMAND & SON, Nashville, Tenn. Filed Oct. 16, 1946.

LITTLE TOT

FOR TOY RUBBER STAMP SET.
Claims use since Jan. 1, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,991. EARL R. HEAVNER, doing business as Pioneer Tool & Engineering Company, Dayton, Ohio. Filed Apr. 11, 1945.

Pioneer

No claim is made to the exclusive use of the pictorial representation of the micrometer, apart from the mark.
FOR METAL WORKING TOOLS, DIES, JIGS, FIXTURES, MOLDS FOR METAL CASTING AND PLASTIC FORMING, AND SPECIAL MACHINERY MADE TO ORDER.
Claims use since Nov. 22, 1943.

Ser. No. 483,576. R. H. MACY & CO., INC., New York, N. Y. Filed May 19, 1945.

Supre-Shave

No claim is made to the word "Shave" per se.
FOR SAFETY-RAZOR BLADES.
Claims use since Mar. 23, 1945.

Ser. No. 483,625. LOMBARD GOVERNOR CORPORATION, Ashland, Mass. Filed May 21, 1945.

LG

FOR VARIABLE SPEED TRANSMISSION AND VARIABLE SPEED REDUCING DRIVES; SPEED RESPONSIVE MECHANICAL GOVERNORS EMBRACING ELECTRICAL COMPONENTS AMONG OTHERS, USED FOR HYDRAULIC TURBINES AND OTHER SIMILAR PRIME MOVERS; SAWS—NAMELY, POWER CHAIN SAWS, DRIVEN BY AIR, ELECTRICITY, OR GASOLINE ENGINE; OIL WELL MACHINERY AND PARTS—NAMELY, PISTON RODS, PISTONS, CYLINDERS, AND CYLINDER LINERS.
Claims use since September 1942.

Ser. No. 487,609. ESCHER WYSS MASCHINENFABRIKEN AKTIENGESELLSCHAFT, Zurich, Switzerland. Filed Aug. 27, 1945.



FOR AIR AND GAS TURBINE POWER PLANTS AND COMPONENTS THEREOF, COMPRISING, TURBINES, COMPRESSORS, AIR AND GAS HEATERS, HEAT EXCHANGERS, AND GOVERNORS.
Claims use since Jan. 24, 1945.

Ser. No. 495,507. READ MACHINERY COMPANY, INC., York, Pa. Filed Jan. 26, 1946.

READCO

FOR EQUIPMENT USED IN HANDLING, TREATING OR PROCESSING MATERIALS AND PRODUCTS OF THE BAKERY, AND CHEMICAL AND INDUSTRIAL PROCESSING INDUSTRIES—NAMELY, BINS EMBODYING MATERIAL HANDLING APPARATUS; MATERIAL ELEVATING AND CONVEYING MECHANISM IN THE NATURE OF AUGER AND BUCKET CONVEYORS AND ELEVATORS FOR RAW MATERIALS, AND ENDLESS CONVEYORS FOR FINISHED BAKERY GOODS; SACK CLEANING MACHINES; MATERIAL CUT-OFF GATES; BOLTING REELS; SIFTING MACHINES; MIXING MACHINES; SHREDDING AND MACERATING MACHINES; MATERIAL BLENDING MACHINES; DOUGH DIVIDERS; DOUGH ROUNDERS; DOUGH CHUTES; DOUGH HOPPERS; DOUGH BRAKES; COMBINATION ROLL DIVIDERS AND ROUNDERS; ROLL SPLITTERS; PROOFING BOXES WITH AUTOMATIC EQUIPMENT FOR HANDLING DOUGH AND AUTOMATIC PROOF BOX CONDITIONERS; AND PARTS AND ACCESSORIES FOR THE FOREGOING.
Claims use since 1932.

Ser. No. 498,280. CLARENCE A. FREY, doing business as Freysons' Sales, Ottawa, Ohio. Filed Mar. 15, 1946.

"VARI-SEG"

FOR CUTLERY MADE OF BASE METAL COMPRISING PAPER KNIVES; CARVING, HUNTING, FISHING AND TRAPPING KNIVES; PARING, SLICING, FRUIT, SPATULA AND UTILITY KNIVES; SCIMITAR, BUTCHER, BONING, STICKING, FIBERBOARD, LINOLEUM, PUTTY, CHAIN AND NOVELTY KNIVES.
Claims use since July 20, 1944.

Ser. No. 501,383. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed May 3, 1946.

TORQMATIC

FOR COMPLETE POWER TRANSMISSION UNITS FOR MOTOR VEHICLES AND PARTS THEREOF—NAMELY, TRANSMISSION HOUSING, SHAFTS, UNIVERSAL JOINTS, GEARS, GEAR AND FLUID DRIVES.
Claims use since June 27, 1943.

Ser. No. 501,444. CASPER H. ENGH, doing business as Esco Manufacturing Co., Fargo, N. Dak. Filed May 4, 1946.

ESCO

FOR AUTO JACKS.
Claims use since Mar. 15, 1946.

Ser. No. 502,778. WATCHEMOKET OPTICAL CO. INC., Providence, R. I. Filed May 25, 1946.

watchetap

The representation of the tap is disclaimed apart from the mark.
FOR HOLE-THREADING TAPS FOR HAND OR MACHINE USE.
Claims use since May 22, 1946.

Ser. No. 509,167. THE PLASWOOD CORPORATION, Detroit, Mich. Filed Sept. 16, 1946.

PLASWOOD

FOR OIL FILTER CARTRIDGES USED IN FILTERS FORMING A PART OF INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 30, 1945.

Ser. No. 509,660. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Filed Sept. 24, 1946.

BRINEMASTER

FOR SALT DISSOLVERS COMPRISED OF A TANK FITTED WITH WATER LINE, A HOPPER FOR ADMISSION OF SALT AND ATTACHED BRINE FILTER.
Claims use since July 19, 1946.

Ser. No. 512,623. SILVER CREEK PRECISION CORPORATION, Silver Creek, N. Y. Filed Nov. 14, 1946.

SILVERTROL

FOR OUTBOARD MOTOR FOR BOATS.
Claims use since June 1943.

Ser. No. 512,759. LLOYD A. WONSETLER, doing business as Wonsetler Company, Columbiana, Ohio. Filed Nov. 16, 1946.

HAYCLONE

FOR MACHINES FOR DRYING AND ELEVATING HAY, GRAIN, TOBACCO, AND THE LIKE, AND PARTS THEREOF AND ACCESSORIES THEREFOR, INCLUDING FAN BLADES, DISCHARGE NOZZLES, AND PREFABRICATED DUCT.
Claims use since June 21, 1946.

Ser. No. 514,590. CONSOLIDATED RAZOR BLADE CO., INC., Jersey City, N. J. Filed Dec. 20, 1946.

"V. P."

FOR RAZORS.
Claims use since Dec. 9, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 512,052. DAVID TRAUM COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 5, 1946.

GLIDE-TEX

FOR IRONING BOARDS, IRONING BOARD COVERS, AND PRESSING MITTS.
Claims use since Sept. 11, 1946.

Ser. No. 516,114. CONLON BROS. MFG. CO., Chicago, Ill. Filed Jan. 22, 1947.

White Way

FOR LAUNDRY WASHING MACHINES.
Claims use since Dec. 28, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 504,018. ZENITH RADIO CORPORATION, Chicago, Ill. Filed June 15, 1946.

ZERAD

FOR ELECTRIC METERS FOR TESTING HEARING AID BATTERIES.
Claims use since May 27, 1946.

Ser. No. 510,369. VICTOR RESEARCH LABORATORIES, New York, N. Y. Filed Oct. 5, 1946.

BLINK-O-TIME

No claim is made to the word "Time" apart from the mark.
FOR PHOTOGRAPHIC TIMER USED FOR TIMING DARK ROOM DEVELOPING.
Claims use since May 15, 1946.

Ser. No. 511,384. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Oct. 24, 1946.

AEROGRAPHIC

FOR PHOTOGRAPHIC FILM.
Claims use since Mar. 29, 1946.

Ser. No. 514,155. THE VITARAMA CORPORATION, Huntington Station, N. Y. Filed Dec. 12, 1946.



FOR PANORAMIC ANTI-AIRCRAFT GUNNERY TRAINING UNITS FOR MILITARY TRAINING PURPOSES AND COMPONENT PARTS THEREOF FOR USE THEREIN—NAMELY, PROJECTORS, GUNS, PHOTOELECTRIC CONTROL CABINETS, ELECTRIC HIT RECORDERS AND COUNTERS, LIST INDICATORS AND SCREENS.
Claims use since Sept. 1, 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 517,439. THE UNITED STATES TIME CORPORATION, Middlebury, Conn. Filed Feb. 13, 1947.

DYNACHRON

FOR WATCHES AND CLOCKS, BOTH CASED AND UNCASED, AND PARTS THEREFOR.
Claims use since Oct. 8, 1946.

Ser. No. 518,117. VENTURA-ASSAEL AND COMPANY, New York, N. Y. Filed Feb. 25, 1947.

NEVENT

FOR WATCHES.
Claims use since Nov. 18, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 504,076. STERN & FRIEDMAN, New York, N. Y. Filed June 17, 1946.

Filcraft Imports

No claim is made to the word "Imports" apart from the mark as shown.
FOR COSTUME JEWELRY.
Claims use since Apr. 30, 1946.

Ser. No. 514,608. JOSANNA, INC., New York, N. Y. Filed Dec. 20, 1946.

JEWELS OF JOSANNA

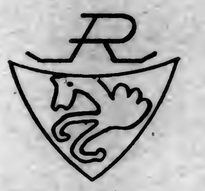
The word "Jewels" is disclaimed apart from the mark as shown.
FOR ORNAMENTAL JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Oct. 8, 1945.

Ser. No. 519,008. JULIUS FORSTER, New York, N. Y. Filed Mar. 14, 1947.

RHAPSODY

FOR GENUINE, CULTURED, AND SIMULATED PEARLS.
Claims use since Aug. 27, 1946.

Ser. No. 519,601. REVERE SILVERSMITHS, INC., Brooklyn, N. Y. Filed Mar. 26, 1947.



FOR STERLING SILVER HOLLOW-WARE AND FLATWARE, AND SILVER PLATED HOLLOW-WARE AND FLATWARE.
Claims use since March 1937.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 505,754. S. H. KRESS AND COMPANY, New York, N. Y. Filed July 17, 1946.



The representation of the woman shown is fanciful.
FOR POWDER PUFFS, NAIL BRUSHES, BATH BRUSHES, AND EYEBROW BRUSHES.
Claims use since Apr. 1, 1945.

Ser. No. 515,471. UNITED POWDER PUFF COMPANY, INC., New Rochelle, N. Y. Filed Jan. 8, 1947.

Reidún

FOR POWDER PUFFS.
Claims use since about July 1946.

Ser. No. 518,409. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Starbrite

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,410. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Girlette

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,411. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Teenager

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,413. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Junior Miss

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,414. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Hairbrite

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,415. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Ten-to-Teens

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

Ser. No. 518,417. LACTONA INCORPORATED, St. Paul, Minn. Filed Mar. 3, 1947.

Challenger

FOR HAIR BRUSHES AND HAIR BRUSH HANDLES.
Claims use since Feb. 3, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,649. CHAMPION BEDDING COMPANY, Lynn, Mass. Filed Mar. 5, 1946.

LADY LYNBROOK

FOR MATTRESSES, BOX SPRINGS, AND STUDIO COUCHES.
Claims use since June 12, 1944.

Ser. No. 513,574. MIDWEST MFG. COMPANY, Galesburg, Ill. Filed Dec. 2, 1946.

BLACKHAWK

FOR STEEL KITCHEN CABINETS.
Claims use since Aug. 7, 1946.

Ser. No. 513,820. FOSTER BROS. MFG. CO., INC., Baltimore, Md. Filed Dec. 6, 1946.

Fosterest

FOR MATTRESSES.
Claims use since Nov. 29, 1946.

Ser. No. 513,895. CLARENCE W. MORSE, doing business as Life Time Products, Los Angeles, Calif. Filed Dec. 7, 1946.

Life-A-loy

FOR VENETIAN BLIND SLATS.
Claims use since Oct. 21, 1946.

Ser. No. 514,626. SEALY, INCORPORATED, Chicago, Ill. Filed Dec. 20, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

Nitee Nite

FOR MATTRESSES AND BOX SPRINGS.
Claims use since January 1945.

CLASS 33

GLASSWARE

Ser. No. 511,648. SARANCO INC., New York, N. Y. Filed Oct. 28, 1946.

Storyglass

FOR GLASS BOWLS.
Claims use since Oct. 21, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 519,799. BROWN STEEL TANK COMPANY, Minneapolis, Minn. Filed Mar. 29, 1947.



FOR GAS WATER HEATERS.
Claims use since Mar. 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 495,779. HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Jan. 30, 1946.

PEQUOIT

FOR LEATHER BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES.
Claims use since Feb. 1, 1904.

Ser. No. 505,473. ATLAS SUPPLY COMPANY, Newark, N. J. Filed July 12, 1946.

ATLAS

FOR FLEXIBLE FUEL AND OIL LINES FOR USE ON AUTOMOBILES, BEING IN THE NATURE OF HOSE OF SMALL DIAMETER AND COMPOSED OF A PLASTIC CORE AND A COVER OF PLASTIC IMPREGNATED COTTON BRAID.
Claims use since Mar. 28, 1945.

Ser. No. 512,838. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Nov. 19, 1946.

NAVALON

FOR LUBRICATED VEGETABLE PACKING FOR MECHANICAL EQUIPMENT INCLUDING SHAFTS, RODS, PLUNGERS, AND VALVE STEMS.
Claims use since on or about Dec. 14, 1945.

Ser. No. 514,194. THE GATES RUBBER COMPANY, Denver, Colo. Filed Dec. 13, 1946.

H-T

FOR PNEUMATIC TIRES, INNER TUBES, POWER TRANSMISSION BELTS, RUBBER HOSE AND REPAIR PATCHES.
Claims use since Oct. 21, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 505,822. THE FRED. GRETSCH MANUFACTURING CO., Brooklyn, N. Y. Filed July 18, 1946.

AIR CORPS BAND

Applicant disclaims sole use of the word "Band" except in conjunction with the mark as shown.
FOR HARMONICAS, DRUMS, BANJOS, GUITARS, UKULELES, MANDOLINS, VIOLINS, CORNETS, TRUMPETS, ALTO HORNS, TENOR HORNS, TROMBONES, BASS HORNS, SAXOPHONES, CLARINETS, OBOES, FIFES AND OCARINAS.
Claims use since May 14, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 503,712. HARRY R. CURTNER, JR., doing business as Curtner Art Company. Muncie, Ind. Filed June 12, 1946.

Vacationery

FOR LETTER PAPER, NOTE PAPER, BLANK BOOKS, ENVELOPES, CARDS AND PLACARDS, BLANK OR PARTIALLY PRINTED.
Claims use since May 1, 1946.

Ser. No. 509,832. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Sept. 27, 1946.

Applicant is the owner of Reg. No. 54,354 (renewed), and Reg. No. 83,565 (renewed).
FOR LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, CRAYONS, MECHANICAL PENCILS AND PARTS THEREOF, FOUNTAIN PENS AND PARTS THEREOF, LUMBER CRAYONS, PENCIL LENGTHENERS, PENCIL POINT PROTECTORS, COMBINED PENCIL AND COMPASS, THIN LEADS, PENHOLDERS, RUBBER ERASERS, KNEADED RUBBER ERASERS, GUM ERASERS, RUBBER BANDS, AND STAMP PADS.
Claims use since 1909.

Ser. No. 509,833. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Sept. 27, 1946. Under section 5b of the act of 1905 as amended in 1920.

E. FABER

Applicant is the owner of Reg. No. 68,994.
FOR LEAD PENCILS, COLORED PENCILS, AND COPYING PENCILS, PENHOLDERS, RUBBER BANDS, RUBBER ERASERS, MECHANICAL PENCILS AND PARTS THEREOF, LEADS, PENCIL POINT PROTECTORS, COMBINED PENCIL AND COMPASS, AND FOUNTAIN PENS AND PARTS THEREOF.
Claims use since 1861 on lead pencils, colored pencils, and copying pencils; since 1908 on penholders, rubber bands, and rubber erasers; since 1919 on mechanical pencils and parts thereof; since 1930 on leads, pencil point protectors and combined pencil and compass; and since 1935 on fountain pens and parts thereof.

Ser. No. 512,178. KALAMAZOO VEGETABLE PARCHMENT COMPANY, Parchment, Mich. Filed Nov. 7, 1946.

Kalacloth

FOR PAPER WASH CLOTHS.
Claims use since Dec. 1, 1944.

Ser. No. 512,381. THE CHARMORE COMPANY, Paterson, N. J., and New York, N. Y. Filed Nov. 12, 1946.

Memomarx

FOR FOUNTAIN PENS.
Claims use since June 15, 1946.

Ser. No. 512,690. MAX M. NEUHOFF, New York, N. Y. Filed Nov. 15, 1946.

ROBIN HOOD

FOR FOUNTAIN PENS.
Claims use since Oct. 1, 1946.

Ser. No. 512,749. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Filed Nov. 16, 1946.

Glorap

FOR TRANSPARENT WRAPPING PAPER.
Claims use since July 12, 1946.

Ser. No. 513,195. NOVELTE PAPETERIES, INC., Colorado Springs, Colo. Filed Nov. 25, 1946.

Thank

FOR STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER.
Claims use since June 1, 1946.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 466,830. RUTH DEUTSCH, New York, N. Y. Filed Jan. 24, 1944.

Fighting Man

FOR MUSICAL PUBLICATION PUBLISHED FROM TIME TO TIME.
Claims use since October 1942.

Ser. No. 506,462. BROWN & MARSH, Champaign, Ill. Filed July 29, 1946.

Missile

FOR PLAN DRAWINGS OF MODEL AIRPLANES.
Claims use since July 1, 1946.

Ser. No. 508,884. ARCHIE COMIC PUBLICATIONS, INC., New York, N. Y. Filed Sept. 12, 1946.

The Mirth of a Nation

FOR MAGAZINES ISSUED PERIODICALLY.
Claims use since Nov. 12, 1942.

Ser. No. 510,813. TOREN, San Francisco, Calif. Filed Oct. 12, 1946.

TRULY YOU

FOR GREETING CARDS AND PHOTOGRAPHIC PORTRAITS.
Claims use since August 1915.

Ser. No. 512,904. FAIRCHILD ADVERTISING, INC., New York, N. Y. Filed Nov. 20, 1946.

Why Not?

FOR TITLE FOR A PAGE IN A MAGAZINE.
Claims use since Jan. 11, 1946.

CLASS 39
CLOTHING

Ser. No. 497,296. JOSEPH CHANCE, doing business as Douglas Manufacturing Company, Westmont Borough, Pa. Filed Feb. 27, 1946.

Miss Chancette

No claim is made to the word "Miss" apart from the mark.
FOR CHILDREN'S SLIPS AND PANTIES.
Claims use since Apr. 12, 1945.

Ser. No. 503,655. S. HAROLD LEVY, INC., New York, N. Y. Filed June 11, 1946.

JORINDA

FOR APPAREL FOR CHILDREN AND GIRLS—NAMELY, DRESSES; PLAY CLOTHES—NAMELY, OVERALLS, SLACKS, SHORTS, JUMPERS, PLAY SUITS, SUN BACK DRESSES; AND BEACH WEAR—NAMELY, SUN SUITS; PINAFORES; AND UNDERGARMENTS—NAMELY, PAJAMAS AND UNDERWEAR.
Claims use since Apr. 18, 1946.

Ser. No. 509,062. WESTMOOR MANUFACTURING CO., Minneapolis, Minn. Filed Sept. 13, 1946.

Ronard

FOR MEN'S SPORT SHIRTS, DRESS SHIRTS, JACKETS, PAJAMAS, AND LADIES' BLOUSES.
Claims use since Aug. 6, 1946.

Ser. No. 509,206. D'RELL, INC., Philadelphia, Pa. Filed Sept. 17, 1946.

d'Rell

FOR SHOES, BOOTS, SLIPPERS, AND SANDALS.
Claims use since April 1946.

Ser. No. 510,939. THE CROWN OVERALL MFG. CO., doing business as Headlight Manufacturing Co., Cincinnati, Ohio. Filed Oct. 16, 1946.

TREE CLIMBER

FOR OVERALLS, TROUSERS, JACKETS, SLACKS, COATS, SHIRTS, AND PLAY SUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 1, 1913.

Ser. No. 512,290. JANET ROSENBLUM, Brooklyn, N. Y. Filed Nov. 8, 1946.

Aquasprite

FOR SWIM HATS, BATHING HATS, RAIN HATS, AND SHOWER HATS.
Claims use since Oct. 24, 1946.

Ser. No. 513,606. THE B. V. D. CORPORATION, New York, N. Y. Filed Dec. 3, 1946.

AQUARIUM

FOR SWIM TRUNKS.
Claims use since Nov. 4, 1946.

Ser. No. 514,315. HARRY VINE, doing business as Vineline, Los Angeles, Calif. Filed Dec. 14, 1946.

Vineline

FOR MEN'S SPORT SHIRTS AND NECKTIES.
Claims use since Oct. 22, 1946, on neckties; and since Dec. 4, 1946, on sport shirts.

Ser. No. 514,625. J. SCHOENEMAN, INC., Baltimore, Md. Filed Dec. 20, 1946.

Roymont

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since Dec. 13, 1946.

Ser. No. 514,822. HERMAL SHOE CO., INC., Everett, Mass. Filed Dec. 26, 1946.

FEETA FEETAS

FOR SHOES AND SLIPPERS MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Dec. 4, 1946.

Ser. No. 523,870. UNIVERSAL OVERALL CO., Chicago, Ill. Filed June 9, 1947.

Steer Buster

FOR OVERALLS.
Claims use since May 12, 1947.

Ser. No. 524,003. S. WEITZ & COMPANY, INC., Cleveland, Ohio. Filed June 12, 1947.

TRI-CHANGER

FOR MEN'S, WOMEN'S, AND CHILDREN'S TOPCOATS AND OVERCOATS.
Claims use since Jan. 3, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 466,654. MCCOY, JONES & COMPANY, INC., Chicago, Ill. Filed Jan. 17, 1944.

TRANSYLIN

FOR THIN, TRANSPARENT OR TRANSLUCENT PLASTIC FILM IN SHEET FORM USED IN THE MAKING OF WATER REPELLANT ARTICLES, SUCH AS, SHOWER CURTAINS, BATH ROOM CURTAINS, SHOWER CAPS, RAIN CAPES, RAIN HOODS, STORAGE BAGS FOR GARMENTS AND OTHER ARTICLES.
Claims use since Dec. 30, 1943.

Ser. No. 489,364. STARTEX MILLS, Tucapau, S. C. Filed Oct. 3, 1945.

STARTEX

PLUS FOUR

FOR TOWELS.
Claims use since Mar. 31, 1939.

Ser. No. 489,366. STARTEX MILLS, Tucapau, S. C. Filed Oct. 3, 1945.

STARTEX TWINKLE

FOR TOWELS.
Claims use since Mar. 2, 1939.

Ser. No. 490,657. GREENTREE PRODUCTS, INC., New York, N. Y. Filed Oct. 29, 1945.

Greentree

FOR THIN VINYL-TYPE PLASTIC FILM, SOLD AS PIECE GOODS, FOR USE IN MAKING INTO GARMENT BAGS, APRONS, BATHING CAPS, BOWL COVERS, AND THE LIKE.
Claims use since February 1944.

Ser. No. 502,106. ANGLO FABRICS COMPANY, INC., New York, N. Y. Filed May 15, 1946.

OTTOMONA

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Feb. 16, 1946.

Ser. No. 514,694. EAGLE & PHENIX MILLS, Columbus, Ga. Filed Dec. 23, 1946.

TWEEDBURN

FOR COTTON SUITINGS.
Claims use since Oct. 27, 1928.

Ser. No. 515,128. NYE-WAIT COMPANY, INC., Auburn, N. Y. Filed Dec. 31, 1946.

CELESTE

FOR RUGS AND CARPETS.
Claims use since Dec. 6, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 515,599. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Jan. 11, 1947.

CHEN YU

FOR MANICURE SCISSORS, NAIL FILES, CUTICLE PUSHERS, CUTICLE KNIVES, TWEEZERS, NAIL BUFFERS AND MANICURE SETS CONTAINING SOME OR ALL OF THE ITEMS AFOREMENTIONED AND SOLD IN LEATHER OR PLASTIC CASES.
Claims use since Mar. 13, 1946.

Ser. No. 522,710. FRANCIS T. ROBERTS, Detroit, Mich. Filed May 20, 1947.

CLYSTOMER

FOR GENERAL PURPOSE GRAVITY SYRINGE ESPECIALLY USEFUL IN PEDIATRICS.
Claims use since Apr. 18, 1947.

Ser. No. 523,378. DURATEX CORPORATION, Newark, N. J. Filed June 2, 1947.

fan

FOR PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since May 20, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 509,592. NEHI CORPORATION, Columbus, Ga. Filed Sept. 23, 1946.

ARCI

FOR NONALCOHOLIC, MALTLESS, NON-FRUIT-JUICE BEVERAGE SOLD AS A SOFT DRINK—VIZ., A COLA, AND SYRUP, EXTRACT, OR CONCENTRATE FOR MAKING THE SAME.
Claims use since Sept. 11, 1946.

Ser. No. 509,921. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Sept. 28, 1946.

TABU

FOR NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS, MINERAL WATER, AND GINGER ALE.
Claims use since May 20, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 486,595. GEORGE EMERY STENGLE, Jacksonville, Fla. Filed Aug. 1, 1945.

PLANTATION GOLD

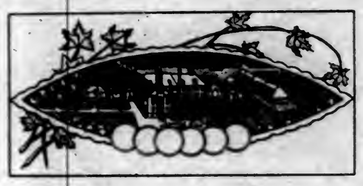
FOR DAIRY PRODUCTS—NAMELY, BUTTER, CHEESE, MILK POWDER, CREAM AND CONDENSED MILK.
Claims use since May 1945.

Ser. No. 494,919. NEWARK PACKING COMPANY, INC., Newark, N. J. Filed Jan. 17, 1946.

ASTER-ETTES

FOR NUT TOPPING FOR DESSERTS AND CAKES, CONSISTING OF NUT MEATS AND NUTS IN SYRUP.
Claims use since January 1912.

Ser. No. 498,530. LES CISTERCIENNES REFORMEES, St. Romuald d'Etchemin, Quebec, Canada. Filed Mar. 19, 1946.



FOR CHOCOLATE CANDY BARS.
Claims use since about June 4, 1904.

Ser. No. 501,989. FRANK H. FROMM, New York, N. Y. Filed May 13, 1946.

CROSS KEYS

FOR CANNED FISH.
Claims use since May 1927.

Ser. No. 503,605. SOMIS LEMON ASSOCIATION, Oxnard, Calif. Filed June 10, 1946.

SEA COOL

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

Ser. No. 511,762. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Filed Oct. 30, 1946.

Devilmint

FOR COOKIES.
Claims use since Oct. 16, 1946.

Ser. No. 515,004. VICTORY PACKING CO., Los Angeles, Calif. Filed Dec. 28, 1946.

Thoro-Fed

FOR CANNED DOG AND CAT FOOD.
Claims use since Dec. 10, 1946.

Ser. No. 515,193. JAMES M. NAGLE, Provo, Utah. Filed Jan. 2, 1947.

"LONG JON"

The word "Long" is disclaimed apart from the mark.
FOR CREAM FILLED DOUGH PASTRY.
Claims use since Dec. 9, 1946.

Ser. No. 515,467. CHARLES G. SUMMERS, JR., INC., New Freedom, Pa. Filed Jan. 8, 1947.

LEGION

FOR CANNED CUT WAX BEANS, CANNED WHITE SWEET CORN, CANNED LIMA BEANS, CANNED TOMATOES, CANNED BLACK EYE PEAS, CANNED CUT GREEN BEANS, CANNED RED KIDNEY BEANS, CANNED TRIPLE SUCCOTASH, CANNED SUCCOTASH, CANNED GOLDEN BANTAM CORN, CANNED SWEET CORN, CANNED EARLY JUNE PEAS.
Claims use since January 1924.

Ser. No. 515,914. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla. Filed Jan. 17, 1947.

TIN SOLDIER

FOR FRESH CITRUS FRUITS.
Claims use since Mar. 10, 1940.

Ser. No. 523,070. BARR FOODS, INC., Oakland, Calif. Filed May 26, 1947.

Granny Goose



FOR CORN CHIPS.
Claims use since Nov. 12, 1946.

CLASS 47

WINES

Ser. No. 506,866. GARRETT & COMPANY, INC., Brooklyn, N. Y. Filed Aug. 5, 1946. Under 10-year proviso.

PAUL GARRETT

FOR CHAMPAGNE AND SPARKLING BURGUNDY.
Claims use since 1866.

Ser. No. 510,288. VINE PRODUCTS, LIMITED, doing business as V. P. Winery, Kingston-on-Thames, England. Filed Oct. 4, 1946.

VOTRIX

FOR WINES.
Claims use since February 1938.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 476,240. CLEMENTE DA SILVA, doing business as Dalva's, Ltd. and C. Da Silva, Vila Nova de Gaia (Oporto), Portugal. Filed Nov. 8, 1944.

DALVA

Applicant is the owner of Reg. No. 358,296.
FOR SPIRITOUS LIQUORS—NAMELY, BRANDY.
Claims use since September 1937.

Ser. No. 495,659. ELBY EXTRACT CO., Brooklyn, N. Y. Filed Jan. 30, 1946.

Elby

FOR NON-ALCOHOLIC COCKTAIL SYRUPS AND MIXTURES INTENDED FOR USE IN MIXING ALCOHOLIC COCKTAILS.
Claims use since August 1925.

Ser. No. 505,758. LOGANSPORT DISTILLING COMPANY, INC., Philadelphia, Pa. Filed July 17, 1946.

LOGAN SQUARE

The word "Logan" is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since July 10, 1946.

Ser. No. 508,464. CHARLES JACQUIN ET CIE, INC., Philadelphia, Pa. Filed Sept. 4, 1946. Under 10-year proviso.



FOR BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS AND LIQUEURS.
Claims use since 1884.

Ser. No. 508,882. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Sept. 12, 1946.



FOR GIN, WHISKEY, ROCK AND RYE, BLACKBERRY LIQUEUR, APRICOT LIQUEUR, PEACH LIQUEUR, SLOE GIN, PEPPERMINT SCHNAPPS, AND BOURBON LIQUEUR, BOTH BLENDED AND STRAIGHT.
Claims use since May 1942.

Ser. No. 510,507. GEO. H. GOULD COMPANY, Louisville, Ky. Filed Oct. 9, 1946.

Great Seal

FOR WHISKEY.
Claims use since June 20, 1946.

Ser. No. 510,508. GEO. H. GOULD COMPANY, Louisville, Ky. Filed Oct. 9, 1946.



FOR WHISKEY.
Claims use since June 20, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

AUGUST 19, 1947

432,055. METAL HARDENING ELECTRIC FURNACES AND AMMONIA DISSOCIATORS FOR CONTROLLING THE CHEMICAL COMPOSITION OF THE ATMOSPHERE IN THE HEAT TREATING CHAMBERS IN SUCH FURNACES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., now by change of name Westinghouse Electric Corporation, a corporation of Pennsylvania.
Filed July 28, 1943. Serial No. 462,383. PUBLISHED APRIL 8, 1947. Class 21.

432,056. VALVE MECHANISMS DESIGNED ESPECIALLY FOR USE ON AIRCRAFT, COMPRISING FLUID CHECK VALVES, ETC. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed November 30, 1944. Serial No. 477,053. PUBLISHED MARCH 11, 1947. Class 13.

432,057. FRESH CITRUS FRUITS. WADDELL AND SON, Lindsay, Calif.
Filed June 19, 1945. Serial No. 484,764. PUBLISHED FEBRUARY 11, 1947. Class 46.

432,058. LAWN SPRINKLERS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name to Sunbeam Corporation.
Filed September 10, 1945. Serial No. 488,192. PUBLISHED APRIL 29, 1947. Class 13.

432,059. RECEPTACLES FOR HOUSEHOLD USE—NAMELY, BASE METALLIC BOWLS AND METALLIC CREAM AND SUGAR SETS. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name to Sunbeam Corporation.
Filed September 10, 1945. Serial No. 488,198. PUBLISHED APRIL 29, 1947. Class 13.

432,060. LAWN SPRINKLERS. THE RIEGER MANUFACTURING CO., Miamisburg, Ohio.
Filed October 15, 1945. Serial No. 489,988. PUBLISHED APRIL 8, 1947. Class 13.

432,061. FISH LURES AND FISH BAITING DEVICES—NAMELY, PLUGS, HEAD STALLS FOR MINNOWS, AND FISHING SPOONS. MARTIN FISH LURE CO., Seattle, Wash.
Filed October 29, 1945. Serial No. 490,679. PUBLISHED MAY 6, 1947. Class 22.

432,062. MAGNETIC WIRE RECORDING AND REPRODUCING APPARATUS AND WIRE SPOOLS AND MAGNETIC RECORDING, REPRODUCING AND ERASING HEADS THEREFOR. C. G. CONN LTD., Elkhart, Ind.
Filed November 28, 1945. Serial No. 492,311. PUBLISHED MAY 13, 1947. Class 21.

432,063. BACK-UP LIGHTS FOR AUTOMOBILES. THE TELEOPTIC COMPANY, Racine, Wis.
Filed December 3, 1945. Serial No. 492,592. PUBLISHED MAY 13, 1947. Class 21.

432,064. INSULATED ELECTRIC WIRES OR CONDUCTORS. ACORN INSULATED WIRE COMPANY, INC., Brooklyn, N. Y.
Filed December 8, 1945. Serial No. 492,881. PUBLISHED MAY 27, 1947. Class 21.

432,065. APPARATUS FOR THE CONTROL OF ELECTRIC ENERGY AS USED IN INDUSTRY, COMPRISING: SWITCHES, MANUAL AND AUTOMATIC; RESISTORS, FIXED AND VARIABLE, ETC. ALLEN-BRADLEY COMPANY, Milwaukee, Wis. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed January 12, 1946. Serial No. 494,644. PUBLISHED MAY 13, 1947. Class 21.

432,066. FURNITURE—NAMELY, STRAIGHT CHAIRS, ARMCHAIRS, SETTEES, DINING TABLES, UTILITY TABLES, BREAKFAST TABLES, SERVING TABLES AND ROUND TABLES. JOHN PARKS NEWSOME, INC., North Birmingham, Ala.
Filed February 12, 1946. Serial No. 496,457. PUBLISHED MAY 27, 1947. Class 32.

432,067. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,793. PUBLISHED MAY 6, 1947. Class 22.

432,068. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,794. PUBLISHED MAY 6, 1947. Class 22.

432,069. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,808. PUBLISHED MAY 13, 1947. Class 22.

432,070. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,810. PUBLISHED MAY 6, 1947. Class 22.

432,071. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,812. PUBLISHED MAY 6, 1947. Class 22.

432,072. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,814. PUBLISHED MAY 6, 1947. Class 22.

432,073. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,828. PUBLISHED MAY 6, 1947. Class 22.

432,074. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,833. PUBLISHED MAY 6, 1947. Class 22.

432,075. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,840. PUBLISHED MAY 6, 1947. Class 22.

432,076. TOY AND MODEL AIRPLANES AND PARTS THEREOF MADE OF WOOD, PLASTIC, METAL, AND COMPOSITION. MINICRAFTERS OF BALTIMORE, Baltimore, Md.
Filed February 28, 1946. Serial No. 497,399. PUBLISHED MAY 6, 1947. Class 22.

432,077. METALLIC PIPE AND METALLIC PIPE FITTINGS. PROCESS EQUIPMENT ENGINEERS, INC., Belding, Mich.
Filed March 1, 1946. Serial No. 497,495. PUBLISHED MAY 27, 1947. Class 13.

432,078. TOY MERRY-GO-ROUNDS. THRILOPLANE COMPANY, Los Angeles, Calif.
Filed March 1, 1946. Serial No. 497,510. PUBLISHED MAY 6, 1947. Class 22.

432,079. DOLL CARRIAGES. IRVING BRODSKY, doing business as Baby Craft Carriage Co., Brooklyn, N. Y.
Filed March 2, 1946. Serial No. 497,526. PUBLISHED MAY 6, 1947. Class 22.

432,080. FRICTIONALLY OPERATED PYROPHORIC CIGAR LIGHTERS. AUTOMATIC METAL PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed March 6, 1946. Serial No. 497,693. PUBLISHED MAY 13, 1947. Class 34.

432,081. FLOWER ARRANGER IN THE FORM OF A HOLDER FOR FLOWERS, PREFERABLY MADE OF BASE METAL. ANNA M. GARDNER, New York, N. Y.
Filed March 9, 1946. Serial No. 497,931. PUBLISHED MAY 27, 1947. Class 13.

432,082. MOULDINGS MADE OF METALS, WOOD, AND PLASTIC, FOR USE ON COUNTERS, TABLES, SINKS, AND FLOORS. DECORITE, INC., Atlanta, Ga.
Filed March 11, 1946. Serial No. 497,995. PUBLISHED AUGUST 20, 1946. Class 12.

432,083. ELECTRICAL CONDENSER ASSEMBLIES AND PARTS THEREOF. ERIE RESISTOR CORPORATION, Erie, Pa.
Filed March 22, 1946. Serial No. 498,760. PUBLISHED MARCH 25, 1947. Class 21.

432,084. CONDENSED MILK PRODUCT COMPRISING A BLEND OF CREAM, MILK SOLIDS, SUGAR AND STABILIZERS FOR USE IN ICE CREAM MANUFACTURE. M & R DIETETIC LABORATORIES, INC., Columbus, Ohio.
Filed March 29, 1946. Serial No. 499,256. PUBLISHED MARCH 25, 1947. Class 46.

432,085. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH MELONS. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif.
Filed April 2, 1946. Serial No. 499,510. PUBLISHED NOVEMBER 5, 1946. Class 46.

432,086. BLOUSES FOR GIRLS. JANE CARTER, INC., New York, N. Y.
Filed May 9, 1946. Serial No. 501,713. PUBLISHED MARCH 4, 1947. Class 39.

432,087. LOCK NUTS. DANIEL D. POLIZZI, doing business as Polizzi Precision Products Co., North Hollywood, Calif.
Filed May 13, 1946. Serial No. 502,008. PUBLISHED MAY 27, 1947. Class 13.

432,088. NON-METALLIC TAPE, NON-METALLIC SHEATHS AND INSULATION FOR ELECTRIC CABLES. THE OKONITE COMPANY, Passaic, N. J.
Filed June 5, 1946. Serial No. 503,319. PUBLISHED MAY 27, 1947. Class 21.

432,089. METAL FIXTURE FOR HOLDING GARDEN AND HOUSEHOLD TOOLS. JIM BROWN'S TOY COMPANY, Akron, Ohio.
Filed June 7, 1946. Serial No. 503,421. PUBLISHED MAY 27, 1947. Class 13.

432,090. VARIABLE TRANSFORMERS. GYCO INSTRUMENTS, INC., Bloomfield, N. J.
Filed June 12, 1946. Serial No. 503,725. PUBLISHED MAY 6, 1947. Class 21.

432,091. PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS. THE LOWE BROTHERS COMPANY, Dayton, Ohio.
Filed June 19, 1946. Serial No. 504,188. PUBLISHED APRIL 1, 1947. Class 16.

432,092. KITCHEN STRAINERS, BASE METAL BAKE PANS AND COOKING HOLLOW WARE. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed June 26, 1946. Serial No. 504,608. PUBLISHED MAY 27, 1947. Class 13.

432,093. KITCHEN STRAINERS, BASE METAL BAKE PANS AND COOKING HOLLOW WARE. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed June 26, 1946. Serial No. 504,610. PUBLISHED MAY 27, 1947. Class 13.

432,094. PHONOGRAPH RECORD CABINETS. COLUMBIA INDUSTRIES, Long Island City, N. Y.
Filed June 28, 1946. Serial No. 504,747. PUBLISHED MARCH 18, 1947. Class 32.

432,095. DISPLAY STANDS IN THE NATURE OF UPRIGHT OPEN CABINETS, HAVING THEREIN A PLURALITY OF ROLLERS FOR FOIL, CELLOPHANE AND OTHER SHEET MATERIAL FOR WRAPPING FLOWERS. FLORIST'S FOIL BANK MANUFACTURING COMPANY, Detroit, Mich.
Filed July 16, 1946. Serial No. 505,693. PUBLISHED MAY 13, 1947. Class 32.

432,096. ARTIFICIAL FISH LURES. ELECTRONIC UNITS, INC., Dayton, Ohio.
Filed July 18, 1946. Serial No. 505,812. PUBLISHED MAY 6, 1947. Class 22.

432,097. BRACKETS OF METAL FOR ATTACHMENT TO STEP-LADDERS. MATTHEW A. CASEY, Montclair, N. J.
Filed July 20, 1946. Serial No. 505,949. PUBLISHED MAY 27, 1947. Class 13.

432,098. PYROPHORIC CIGARETTE LIGHTERS. MILTON GEORGE BECK, Brooklyn, N. Y.
Filed July 23, 1946. Serial No. 506,086. PUBLISHED FEBRUARY 25, 1947. Class 34.

432,099. THERMAL INSULATING MATERIAL, CONSISTING OF ASPHALT SATURATED AND COATED PAPER, FOR BUILDING PURPOSES, BETWEEN OUTER AND INNER WALLS, AND BENEATH FLOORING, ALSO AS UNDERLAY FOR ROOFING. KEYSTONE ROOFING MANUFACTURING COMPANY, York, Pa.
Filed July 25, 1946. Serial No. 506,240. PUBLISHED MAY 27, 1947. Class 12.

432,100. VISIBLE RECORD CABINETS. ACME VISIBLE RECORDS, INC., Chicago, Ill.
Filed July 31, 1946. Serial No. 506,567. PUBLISHED MAY 13, 1947. Class 32.

432,101. KITCHEN TOOLS—NAMELY, STRAINERS. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed July 31, 1946. Serial No. 506,587. PUBLISHED MAY 27, 1947. Class 13.

432,102. NON-METALLIC TIRES AND TUBES, CAMELBACK FOR RETREADING AND RECAPPING TIRES AND SYNTHETIC RECAPPING STOCK FOR TIRES. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed August 2, 1946. Serial No. 506,764. PUBLISHED MAY 27, 1947. Class 35.

432,103. OVERHEAD DOOR MOUNTING HARDWARE. TAVART COMPANY, LTD., Los Angeles, Calif.
Filed August 6, 1946. Serial No. 506,972. PUBLISHED MARCH 4, 1947. Class 13.

432,104. COMBINATION DESK AND CHEST. CAVALIER CORPORATION, Chattanooga, Tenn.
Filed August 12, 1946. Serial No. 507,234. PUBLISHED MAY 27, 1947. Class 32.

432,105. SEPARABLE SLIDE FASTENERS KNOWN AS "ZIPPERS." CROWN FASTENER CORPORATION, Warren, R. I.
Filed August 27, 1946. Serial No. 508,102. PUBLISHED MAY 6, 1947. Class 13.

432,106. WATER-PROOFING COMPOUNDS HAVING AN ASPHALTIC BASE AND SOLD IN PASTE OR SEMI-PASTE FORM. DRI-ZONE CORPORATION, Kansas City, Mo.
Filed September 6, 1946. Serial No. 508,588. PUBLISHED MAY 27, 1947. Class 12.

432,107. ELECTRICAL INSULATORS MADE OF PORCELAIN, CERAMIC OR OTHER EARTHENWARE. THE UNIVERSAL CLAY PRODUCTS COMPANY, Sandusky, Ohio.
Filed September 9, 1946. Serial No. 508,758. PUBLISHED MAY 27, 1947. Class 21.

432,108. ADJUSTABLE ELECTRONIC SPEED CONTROLS USABLE WITH VARIABLE SPEED ROTARY ELECTRIC MACHINES. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed September 16, 1946. Serial No. 509,143. PUBLISHED MAY 13, 1947. Class 21.

432,109. WINDOW SCREENS, OF THE BUILT-IN TYPE, AND SCREEN DOORS. NATIONAL SCREEN COMPANY, INC., Suffolk, Va.
Filed September 17, 1946. Serial No. 509,235. PUBLISHED MAY 13, 1947. Class 12.

432,110. LAWN MOWERS. BEST MANUFACTURING & EQUIPMENT COMPANY, Wichita, Kans.
Filed September 25, 1946. Serial No. 509,690. PUBLISHED MAY 6, 1947. Class 23.

432,111. TELEVISION TRANSMITTING SETS AND/OR TELEVISION RECEIVING SETS. TRANSVISION INC., New Rochelle, N. Y.
Filed October 10, 1946. Serial No. 510,625. PUBLISHED MAY 13, 1947. Class 21.

432,112. ELECTRIC NURSERY LAMPS. LEWIS P. WEIL, Germantown, Pa.
Filed October 12, 1946. Serial No. 510,819. PUBLISHED MAY 27, 1947. Class 21.

432,113. ELECTRIC SPACE HEATERS. ACE ENGINEERING AND MACHINE CO., INC., Philadelphia, Pa.
Filed October 16, 1946. Serial No. 510,921. PUBLISHED MAY 27, 1947. Class 21.

432,114. ELECTRIC LIGHT FIXTURES. GROVER PHOTO PRODUCTS, Los Angeles, Calif.
Filed October 19, 1946. Serial No. 511,148. PUBLISHED MAY 27, 1947. Class 21.

432,115. ELECTRIC IRONS. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed November 1, 1946. Serial No. 511,856. PUBLISHED MAY 27, 1947. Class 21.

432,116. FLUSH DOORS MADE FROM BALSA WOOD AND USED FOR HOUSES. PERMA BOARD CORPORATION, New York, N. Y.
Filed November 7, 1946. Serial No. 512,200. PUBLISHED MAY 27, 1947. Class 12.

432,117. DOMESTIC AND INDUSTRIAL OIL BURNERS FOR HEATING AND PARTS THEREOF. R. W. BECKETT ENGINEERING COMPANY, Elyria, Ohio.
Filed November 8, 1946. Serial No. 512,230. PUBLISHED MAY 13, 1947. Class 34.

432,118. DRY CELL BATTERIES PARTICULARLY FOR HEARING AIDS. GENERAL DRY BATTERIES, INC., Lakewood, Ohio.
Filed November 8, 1946. Serial No. 512,250. PUBLISHED MAY 27, 1947. Class 21.

432,119. INSULATED ELECTRIC WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed November 15, 1946. Serial No. 512,663. PUBLISHED MAY 27, 1947. Class 21.

432,120. TOY COMPRISING A PADDLE TO WHICH IS AFFIXED ONE END OF A HELICAL COIL OF RESILIENT STEEL OR THE LIKE, THE OTHER END OF WHICH IS FREE. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 20, 1946. Serial No. 512,944. PUBLISHED MAY 6, 1947. Class 22.

432,121. CONTACTS FOR ELECTRICAL CIRCUITS. THE H. A. WILSON COMPANY, Newark, N. J.
Filed November 20, 1946. Serial No. 512,946. PUBLISHED MAY 27, 1947. Class 21.

432,122. PERMANENT MAGNETS. ULLMAN PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed November 21, 1946. Serial No. 513,004. PUBLISHED MAY 27, 1947. Class 21.

432,123. SECTIONAL OVERHEAD DOORS. HOWELL PRODUCTS, INC., Holmes, Pa.
Filed November 25, 1946. Serial No. 513,181. PUBLISHED MAY 27, 1947. Class 12.

432,124. CONCRETE BUILDING BLOCKS. MAJOR INDUSTRIES CO., INC., Redondo Beach, Calif.
Filed December 2, 1946. Serial No. 513,568. PUBLISHED MAY 13, 1947. Class 12.

432,125. METAL WINDOW SASH AND SCREENS. H. A. KAMMERER, INC., Mount Vernon, N. Y.
Filed December 4, 1946. Serial No. 513,661. PUBLISHED MAY 13, 1947. Class 12.

432,126. LENSES FOR AUTOMOBILE HEADLIGHTS. HAZELITE, INC., New York, N. Y.
Filed December 7, 1946. Serial No. 513,886. PUBLISHED MAY 13, 1947. Class 34.

432,127. CARD GAMES. ELEANOR F. KLAUBER, doing business as Klauber Novelty Co., Chicago, Ill.
Filed January 3, 1947. Serial No. 515,352. PUBLISHED MAY 6, 1947. Class 22.

432,128. TOY SCOOTERS. AMERICAN METALCRAFT CORPORATION, Detroit, Mich.
Filed January 7, 1947. Serial No. 515,358. PUBLISHED MAY 6, 1947. Class 22.

432,129. GAME—NAMELY, A CONTEST FOR AMUSEMENT INVOLVING THE USE OF A MULTIPLE-GROOVE PHONOGRAPH RECORD CONTAINING RECORDINGS OF HORSE RACES WITH ANNOUNCEMENTS, THE GAME INCLUDING OTHER EQUIPMENT THE USE OF WHICH IS COORDINATED WITH SAID RECORD IN ATTAINING A VARIETY OF GAME RESULTS. F. A. JOHNSTON, JR., AND ASSOCIATES, INC., St. Louis, Mo.
Filed January 23, 1947. Serial No. 516,190. PUBLISHED MAY 6, 1947. Class 22.

432,130. REFRACTORY CONCRETE. THE BABCOCK & WILCOX COMPANY, New York, N. Y.
Filed January 29, 1947. Serial No. 516,525. PUBLISHED MAY 13, 1947. Class 12.

432,131. FLINTS FOR PYROPHORIC TYPE LIGHTERS. ZIPPO MANUFACTURING COMPANY, Bradford, Pa.
Filed February 1, 1947. Serial No. 516,805. PUBLISHED MAY 27, 1947. Class 34.

432,132. BAFFLE TYPE WINDOW VENTILATORS. WOODROW P. KUBATZKY, doing business as Winco Distributing Company, St. Louis, Mo.
Filed February 5, 1947. Serial No. 516,988. PUBLISHED MAY 27, 1947. Class 34.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

432,133. (CLASS 39. CLOTHING.) EUNICE W. MCNAMARA, doing business as Mollie Bowen, Brooklyn, N. Y. Filed Oct. 31, 1944. Serial No. 475,917.

Mollie Bowen

FOR BRASSIÈRES, CORSETS, BATHING SUITS, SLIPS, AND NIGHTGOWNS FOR WOMEN.
Claims use since Feb. 19, 1944.

432,134. (CLASS 39. CLOTHING.) CENTURY FURS, New York, N. Y. Filed Jan. 27, 1945. Serial No. 479,064.

JUNIOR TONE MODES

FOR FUR COATS AND FUR JACKETS FOR LADIES AND MISSES.
Claims use since Dec. 19, 1944.

432,135. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. HAMMOND, doing business as Hammond Cannery, West Alexandria, Ohio. Filed Mar. 1, 1945. Serial No. 480,372.

Sharon Lynne

FOR CANNED TOMATOES.
Claims use since Sept. 1, 1942.

432,136. (CLASS 39. CLOTHING.) LUBIN-WEEKER CO., INC., New York, N. Y. Filed Mar. 8, 1945. Serial No. 480,670.

WELDON

Applicant is the owner of Reg. No. 297,727.
FOR OUTER SHIRTS.
Claims use since Feb. 16, 1945.

432,137. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) UNCLE JO COMPANY, Fort Worth, Tex. Filed Mar. 15, 1945. Serial No. 480,966.

SUGAR CANE
Beverages
-★-
UNCLE JO COMPANY
FORT WORTH, TEXAS

FOR NONALCOHOLIC CARBONATED BEVERAGES, SOLD AS SOFT DRINKS.
Claims use since Jan. 1, 1941.

432,138. (CLASS 12. CONSTRUCTION MATERIALS.) KAISER COMPANY, INC., Oakland, Calif. Filed June 22, 1945. Serial No. 484,897.

KAISER

FOR STEEL CONSTRUCTION MATERIALS—NAMELY, BARS, RODS, AND WIRE FOR USE IN REINFORCING BUILDING STRUCTURES, STRUCTURAL SHAPES, MERCHANT MILL SHAPES AND SHEET PILING.
Claims use since Nov. 6, 1943.

432,139. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LA UNION AGRICOLA SOCIEDAD ANONIMA, Barcelona, Spain. Filed June 29, 1945. Serial No. 485,223.

LA TARRAGONESA

FOR BRANDY.
Claims use since June 1, 1944.

432,140. (CLASS 39. CLOTHING.) POMETTE DRESS CORPORATION, New York, N. Y. Filed Aug. 8, 1945. Serial No. 486,914.

Leslie Fay

FOR MISSES' AND WOMEN'S DRESSES.
Claims use since April 1944.

432,141. (CLASS 39. CLOTHING.) ALBERT H. VANDAM CO., INC., New York, N. Y., assignor, by mesne assignments, to D. B. Fuller & Co., Inc., New York, N. Y., a corporation of New York. Filed Aug. 25, 1945. Serial No. 487,584.

CREPETTE

FOR LADIES', MISSES', AND GIRLS' DRESSES, BLOUSES, PLAYSUITS, SKIRTS, AND PINAFORES, AND MEN'S AND BOYS' SPORT SHIRTS, NECKTIES, SCARFS AND PAJAMAS.
Claims use since Dec. 19, 1919.

432,142. (CLASS 39. CLOTHING.) LEA A. RAYBURN, Morristown, Tenn. Filed Sept. 5, 1945. Serial No. 488,000.

LEA-RAY

FOR HOSIERY.
Claims use since June 12, 1945.

432,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAYMOND T. BROWN, doing business as R. T. Brown Cannery, Springfield, Mass., assignor to Farmer Brown Inc., Springfield, Mass., a corporation of Massachusetts. Filed Sept. 12, 1945. Serial No. 488,311.

Farmer Brown's

FOR A MIXTURE OF WHOLE, SLICED AND CHOPPED FRESH UNFROZEN VEGETABLES PACKAGED IN CONTAINERS AND READY FOR USE IN SALADS AND THE LIKE.
Claims use since June 1, 1945.

432,144. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) DAVID BOGEN CO., INC., New York, N. Y. Filed Sept. 27, 1945, Serial No. 489,034.



FOR SOUND EQUIPMENT—NAMELY, AMPLIFIERS, INTERCOMMUNICATION SYSTEMS, SPEAKERS, AND MICROPHONES.
Claims use since Sept. 1, 1933.

432,145. (CLASS 39. CLOTHING.) LUBIN-WEEKER CO., INC., New York, N. Y. Filed Oct. 31, 1945. Serial No. 490,841.

WELDON, JR.

FOR BOYS' PAJAMAS.
Claims use since Mar. 6, 1945.

432,146. (CLASS 39. CLOTHING.) D. POWER & SONS LIMITED, Walsall, England. Filed Jan. 21, 1946. Serial No. 495,151.

POWER'S

FOR LEATHER GLOVES.
Claims use since September 1928.

432,147. (CLASS 39. CLOTHING.) GILLMAN KNITWEAR COMPANY, Cincinnati, Ohio. Filed Jan. 28, 1946. Serial No. 495,545.

Brian MacNeil

FOR MEN'S AND BOYS' SWEATERS, JACKETS, KNITTED SPORT SHIRTS, WOVEN SPORT SHIRTS, AND BATHING SUITS.
Claims use since Dec. 4, 1945.

432,148. (CLASS 39. CLOTHING.) CALIDAD ROBES, INC., Los Angeles, Calif. Filed Feb. 18, 1946. Serial No. 496,764.



"Calidad"

FOR MEN'S, WOMEN'S, AND CHILDREN'S LOUNGING ROBES, BATH ROBES, AND BEACH ROBES.
Claims use since Aug. 6, 1945.

432,149. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LELAND J. ARMS, San Francisco, Calif. Filed Mar. 11, 1946. Serial No. 497,986.

The
Listener's Digest

FOR SOUND RECORDINGS OF THE MAGNETIZED WIRE TYPE.
Claims use since Feb. 11, 1946.

432,150. (CLASS 47. WINES.) ANTONIO ANTONACCI, doing business as Antonacci Wine Co., Hoboken, N. J. Filed Mar. 12, 1946. Serial No. 498,049.

"The name that means everything in Wines"

ANTONACCI WINE COMPANY

FOR WINES.
Claims use since October 1944.

432,151. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) REMINGTON RADIO CORP., White Plains, N. Y. Filed Mar. 13, 1946. Serial No. 498,171.

Rembrandt

FOR ELECTRICAL PHONOGRAPHS AND RADIO RECEIVING SETS AND RADIO TRANSMITTING SETS.
Claims use since Feb. 15, 1946.

432,152. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH G. CLARK, New York, N. Y. Filed Mar. 21, 1946. Serial No. 498,686.



FOR EYE CREAM TO BE PATTED AROUND THE EYES TO REDUCE THE LINES THERE, CLEANSING CREAM, TISSUE CREAM AND SKIN LOTION.
Claims use since 1926.

432,153. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACOB PRIMAK, doing business as Jack Lacomma Egg Co., Los Angeles, Calif. Filed Apr. 2, 1946. Serial No. 499,505.



The diagonal, parallel lining thereon, indicates the color brown, the stripes extending from a circular field of white to the edge of the label.
FOR FRESH EGGS.
Claims use since Mar. 1, 1946.

432,154. (CLASS 48. MALT BEVERAGES AND LIQUORS.) HORLACHER BREWING COMPANY, Allentown, Pa. Filed Apr. 9, 1946. Serial No. 499,898.

Oh Hugo

FOR BEER.
Claims use since Mar. 16, 1946.

432,155. (CLASS 37. PAPER AND STATIONERY.) REYNOLDS INTERNATIONAL PEN COMPANY, Chicago, Ill., now by change of name Reynolds Pen Company. Filed Apr. 11, 1946. Serial No. 500,020.

REYNOLDS 400

FOR FOUNTAIN PENS.
Claims use since Apr. 1, 1946.

432,156. (CLASS 39. CLOTHING.) DAVID J. STOLMAN, Gloversville, N. Y. Filed Apr. 15, 1946. Serial No. 500,260.

Jac-kids
Sportswear

FOR LEATHER CLOTHING, WOOL AND COTTON JACKET STYLE.
Claims use since October 1945.

432,157. (CLASS 39. CLOTHING.) CRESTLEE INC., New York, N. Y. Filed Apr. 26, 1946. Serial No. 500,955.

Eddie Rubenstein

FOR LADIES', MISSES' AND JUNIORS' DRESSES OF KNITTED, NETTED AND TEXTILE FABRICS.
Claims use since Oct. 15, 1945.

432,158. (CLASS 39. CLOTHING.) JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed May 9, 1946. Serial No. 501,779.

TRUEASE

FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS AND SLACKS.
Claims use since Apr. 10, 1946.

432,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALMA RAYE COSMETIC COMPANY, Los Angeles, Calif. Filed May 13, 1946. Serial No. 501,949.

Alma Raye

FOR TISSUE CREAM, NIGHT CREAM, TEXTURE CREAM, CLEANSING CREAM, FOUNDATION CREAM, MOIST FACE PACK, ASTRINGENT, SKIN TONIC, SKIN FRESHENER, SKIN LOTION, FOUNDATION LOTION, SHAMPOO, POWDER BASE, COSMETIC, FACE AND BODY POWDER, ROUGE, LIPSTICK, EYE SHADOW, PERFUME, COLOGNE, AND ACNE LOTION.
Claims use since on or about October 1944.

432,160. (CLASS 12. CONSTRUCTION MATERIALS.) SUPERIOR WALL PRODUCTS CO., Philadelphia, Pa. Filed May 13, 1946. Serial No. 502,034.

SUPERLITE

FOR PRESSED WOOD FIBER WALL BOARDS.
Claims use since Mar. 15, 1946.

432,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMO SALES CORPORATION, Philadelphia, Pa. Filed May 16, 1946. Serial No. 502,203.

CREAM FOAM

FOR SHAMPOO.
Claims use since May 7, 1946.

432,162. (CLASS 39. CLOTHING.) BUCKLAND KNITWEAR, INC., New York, N. Y. Filed May 28, 1946. Serial No. 502,882.

BUCKLAND
"SWEATER OF THE MONTH"

FOR SWEATERS.
Claims use since May 11, 1946.

432,163. (CLASS 39. CLOTHING.) NAN RAYE FROCKS, INC., New York, N. Y. Filed May 29, 1946. Serial No. 503,000.

Nan Raye

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since May 22, 1946.

432,164. (CLASS 39. CLOTHING.) CHARLES KRAPES, doing business as Ro-Lynn Frocks, New York, N. Y., assignor to Ro-Lynn Frocks, Inc., New York, N. Y. Filed May 31, 1946. Serial No. 503,101.

TEENWAY

FOR GIRLS' DRESSES.
Claims use since Apr. 17, 1946.

432,165. (CLASS 47. WINES.) VINTAGE WINES, INC., New York, N. Y. Filed June 5, 1946. Serial No. 503,335.

VALLÉ FRÈRES

FOR WINES.
Claims use since Dec. 31, 1938.

432,166. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ART & SIGN BRUSH MANUFACTURING CORPORATION, Long Island City, N. Y. Filed June 6, 1946. Serial No. 503,341.

GOODPOINT

FOR PAINT BRUSHES.
Claims use since Mar. 18, 1942.

432,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PICTSWEET FOODS, INC., Mount Vernon, Wash. Filed June 12, 1946. Serial No. 503,750.

Little PACK

FOR CANNED PEAS.
Claims use since Mar. 15, 1945.

432,168. (CLASS 39. CLOTHING.) SAFIR PLAN, INC., New York, N. Y. Filed June 13, 1946. Serial No. 503,829.

TYSYLK

FOR MEN'S ROBES MADE OF ALL SILK FOULARD.
Claims use since Apr. 15, 1946.

432,169. (CLASS 39. CLOTHING.) SUPERIOR SHOE COMPANY, Chicago, Ill. Filed June 13, 1946. Serial No. 503,840.

BAUER'S

FOR CHILDREN'S SHOES.
Claims use since Apr. 15, 1946.

432,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES WOLF & CO., Clifton, N. J. Filed June 13, 1946. Serial No. 503,849.

GELLOID

FOR CALCIUM CARRAGHEEN SULFATE USED AS A STABILIZER AND EMULSIFIER IN PURE FOOD PRODUCTS.
Claims use since August 1938.

432,171. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAM KLEIN, Newark, N. J. Filed June 14, 1946. Serial No. 503,907.

PEDIBATH

FOR EFFERVESCENT FOOT BATH.
Claims use since May 29, 1946.

432,172. (CLASS 39. CLOTHING.) LEWIS BLUMENFIELD, doing business as LaSalle Neckwear Company, Philadelphia, Pa. Filed June 19, 1946. Serial No. 504,151.

LondonWoolie

FOR NECKTIES AND SCARFS MADE OF WOOL OR OF RAYON, OR OF WOOL AND RAYON COMBINED.
Claims use since 1934.

432,173. (CLASS 39. CLOTHING.) A. SAGNER'S SON, Baltimore, Md. Filed June 19, 1946. Serial No. 504,213.

James Arnold

FOR MEN'S CLOTHING—NAMELY, TROUSERS, SUITS, TOPCOATS, OVERCOATS, AND RAINCOATS.
Claims use since Apr. 8, 1946.

432,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIAN RIVER PRODUCERS, INC., Fort Pierce, Fla. Filed June 20, 1946. Serial No. 504,274.

Vita-Helth

FOR FRESH CITRUS FRUIT.
Claims use since May 31, 1946.

432,175. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed June 20, 1946. Serial No. 504,297.

SAKS FIFTH AVENUE
DEMI-BLU MINK

FOR LADIES' AND MISSES' FUR COATS MADE OF MINK.
Claims use since Apr. 9, 1946.

432,176. (CLASS 32. FURNITURE AND UPHOLSTERY.) CLEM B. COLSON, doing business as Colson Bros., Los Angeles, Calif. Filed June 25, 1946. Serial No. 504,530.

Snap On

FOR DETACHABLE HOLLYWOOD BED LEGS.
Claims use since Mar. 1, 1946.

432,177. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE LOFFREDO EQUIPMENT, INC., Waukesha, Wis. Filed June 27, 1946. Serial No. 504,679.

COUNTREE GRILL

FOR PORTABLE FOLDING BARBECUE GRILLS USING SOLID FUEL.
Claims use since July 1, 1945.

432,178. (CLASS 39. CLOTHING.) B. M. TENALY SHOE MFG. CO., INC., Lynn, Mass. Filed June 22, 1946. Serial No. 504,726.

Arch by Classic
B.M. TENALY SHOE MFG. CO.

FOR SHOES.
Claims use since Jan. 1, 1946.

432,179. (CLASS 12. CONSTRUCTION MATERIALS.) SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga. Filed July 1, 1946. Serial No. 504,937.

EVERWEAR

FOR ASBESTOS SIDING.
Claims use since May 20, 1946.

432,180. (CLASS 39. CLOTHING.) IRWIN C. GUILD, New York, N. Y. Filed July 2, 1946. Serial No. 504,976.

STAND FAST

FOR LADIES', MISSES' AND JUNIOR MISSES' DRESSES, BLOUSES, SLACKS AND PINAFORES.
Claims use since June 1, 1945.

432,181. (CLASS 39. CLOTHING.) ROBERT GOLDMAN, doing business as Roberta Blouse Co., New York, N. Y. Filed July 10, 1946. Serial No. 505,348.

Terry Allyn

FOR WOMEN'S BLOUSES.
Claims use since Feb. 1, 1946.

432,182. (CLASS 39. CLOTHING.) SCHWARTZ & BENJAMIN, INC., New York, N. Y. Filed July 17, 1946. Serial No. 505,770.

STENCILED CUSTOMCRAFTS

FOR WOMEN'S SHOES MADE OF LEATHER.
Claims use since June 1, 1946.

432,183. (CLASS 39. CLOTHING.) M. M. ABRAMS, Baltimore, Md. Filed July 18, 1946. Serial No. 505,788.

PERFECK-PAK

FOR LADIES' HOSIERY.
Claims use since May 17, 1946.

432,184. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MONTAL WATCH FITTINGS LIMITED, Birmingham, England. Filed July 24, 1946. Serial No. 506,181.

MONTAL

FOR WATCH FITTINGS, WATCHES, AND WATCH CASES.
Claims use since 1942.

432,185. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EASTERN OREGON PRODUCE COMPANY, Nyssa, Oreg. Filed July 29, 1946. Serial No. 506,435.

Owyhee

FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since June 1, 1946.

432,186. (CLASS 39. CLOTHING.) SPORT MISS, INC., New York, N. Y. Filed Aug. 21, 1946. Serial No. 507,755.



Sport Miss INC.

FOR MISSES' AND GIRLS' BLOUSES, OUTER SKIRTS, JACKETS, SLACKS, PINAFORES, AND JUMPERS.
Claims use since June 1, 1946.

432,187. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) DUGGANS DISTILLERS PRODUCTS CORPORATION, doing business as Duggan's Company, Newark, N. J. Filed Aug. 28, 1946. Serial No. 508,147.

PONTIAC

FOR BOURBON LIQUEUR.
Claims use since June 10, 1946.

432,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAHLENA PRODUCTS, INCORPORATED, Asheville, N. C. Filed Aug. 28, 1946. Serial No. 508,174.



The drawing is lined for the colors blue, pink (flesh tone), and yellow.
FOR FOOT POWDER.
Claims use since June 20, 1946.

432,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT E. MALLERNEE, doing business as Ranch House, Dellroy, Ohio. Filed Aug. 28, 1946. Serial No. 508,175.



The picture is fanciful.
FOR ICE CREAM.
Claims use since Oct. 1, 1945.

432,190. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) RAYFLEX FABRICS, INC., New York, N. Y. Filed Aug. 28, 1946. Serial No. 508,188.

ELASTICOOL

FOR WIDE WOVEN ELASTIC FABRIC IN THE PIECE.
Claims use since Apr. 12, 1946.

432,191. (CLASS 37. PAPER AND STATIONERY.) THE WESTERN PAPER GOODS CO., Cincinnati, Ohio. Filed Sept. 11, 1946. Serial No. 508,880.

GOLDTONE

FOR CORRESPONDENCE ENVELOPES AND PRINTING PAPER.
Claims use since Dec. 1, 1945.

432,192. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MRS. SCHOBER'S, Irvington, N. J. Filed Sept. 12, 1946. Serial No. 508,929.

Mrs. SCHOBER'S

FOR NOODLES.
Claims use since January 1939.

432,193. (CLASS 39. CLOTHING.) AMEDEO V. SALVATORE, New York, N. Y. Filed Sept. 18, 1946. Serial No. 509,307.

Salvatore

FOR FUR COATS.
Claims use since 1918.

432,194. (CLASS 39. CLOTHING.) JACOBSON SALES CO., Memphis, Tenn. Filed Sept. 24, 1946. Serial No. 509,658.

Spunbest

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Mar. 31, 1942.

432,195. (CLASS 39. CLOTHING.) GLEITSMAN, CHOPP & SADOWSKY, INC., New York, N. Y. Filed Sept. 26, 1946. Serial No. 509,769.

TEEN DATE
Fashioned by DELL TOWN

FOR GIRLS' AND MISSES' BLOUSES.
Claims use since Jan. 7, 1946.

432,196. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) PRECISION WELDER AND MACHINE COMPANY, Cincinnati, Ohio. Filed Sept. 26, 1946. Serial No. 509,791.

PRECISION

FOR RESISTANCE WELDING MACHINES.
Claims use since May 8, 1945.

432,197. (CLASS 39. CLOTHING.) GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Oct. 14, 1946. Serial No. 510,835.

CADILLAC

FOR SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF.
Claims use since July 22, 1942.

432,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH ATLANTIC PACKING COMPANY, Bar Harbor, Maine. Filed Oct. 5, 1946. Serial No. 510,920.

BAR HARBOR

FOR CANNED SEAFOOD CHOWDER MADE FROM CLAMS, SEA MUSSELS, POTATOES, ONIONS, WHEAT FLOUR, SALT PORK, WATER, SEASONING, CANNED CLAM CHOWDER, SARDINE COCKTAIL SPREAD, ANCHOVY COCKTAIL SPREAD, CANNED FISH FLAKES IN CHEESE SAUCE.
Claims use since Oct. 1, 1943.

432,199. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDROTH'S INC., Brooklyn, N. Y. Filed Oct. 30, 1946, Serial No. 511,747.

Lindroth's

FOR CANDIES, ICE CREAMS, AND WATER ICES.
Claims use since Jan. 1, 1910.

432,200. (CLASS 39. CLOTHING.) HUBBARD PANTS COMPANY, INC., Bremen, Ga. Filed Nov. 7, 1946. Serial No. 512,177.

HUBBARD'S QUALITY TROUSERS

FOR MEN'S AND BOYS' TROUSERS.
Claims use since January 1936.

432,201. (CLASS 39. CLOTHING.) FASCINATOR BLOUSE CO., INC., New York, N. Y. Filed Nov. 14, 1946. Serial No. 512,584.

A BRENDA JOYCE ORIGINAL

FOR LADIES' AND CHILDREN'S BLOUSES.
Claims use since October 1, 1945.

432,202. (CLASS 32. FURNITURE AND UPHOLSTERY.) TOMLINSON OF HIGH POINT, High Point, N. C. Filed Dec. 2, 1946. Serial No. 513,595.

TOMLINSON

FOR ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, DINING CHAIRS, SOFAS, SHORT SOFAS, CLUB CHAIRS, WING CHAIRS, BARREL CHAIRS, OCCASIONAL CHAIRS, DESK CHAIRS, BENCHES, BEDS, DRESSERS, VANITIES, DRESSING TABLES, CHESTS, CHESTS ON CHESTS, NIGHT TABLES, BEDROOM CHAIRS, BEDROOM BENCHES, HIGHBOYS, LOWBOYS, SECRETARIES, DESKS, COFFEE TABLES, CARD TABLES, END TABLES, LAMP TABLES, PIER TABLES, TILT-TOP TABLES, DROP-LEAF TABLES, CHAIRSIDE TABLES, BUTLER'S TABLES, WRITING TABLES, CONSOLE TABLES, STOOLS, LONG STOOLS, CUPBOARDS, BOOKCASES, COUCHES, DAY BEDS, FOLDING TABLES, SIDEBOARDS, CRADLES, SOFA TABLES, READING STANDS, WINDOW SEATS, BUREAUS, DRESSING SCREENS, AND PANELS THEREFOR.
Claims use since March 1945.

432,203. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) UNDERGROUND SPECIALTIES, INC., New York, N. Y. Filed Dec. 6, 1946. Serial No. 513,857.

SPLICPAD

FOR MULTI-LAYER RUBBER INSULATION SHEET MEMBERS USED AS A WRAPPING AROUND ELECTRICAL SPLICES.
Claims use since Apr. 22, 1941.

432,204. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JACK KURIS, New York, N. Y. Filed Jan. 24, 1947. Serial No. 516,295.

"KURIS"

FOR WATCHES.
Claims use since 1933.

432,205. (CLASS 10. FERTILIZERS.) SCHROCK BROS. Co., Congerville, Ill. Filed Mar. 6, 1947. Serial No. 518,623.

SCHROCK *fertilizer* SERVICE

FOR FERTILIZER.
Claims use since June 1, 1945.

TRADE-MARK REGISTRATIONS RENEWED

27,820. **"PEACOCK PATENT" AND DRAWING.** WHEAT-FLOUR. Registered Feb. 18, 1896. THE HIGGINSVILLE MILLING COMPANY. Re-renewed Feb. 18, 1946, to Charles Banks Stout, doing business as The Higginsville Milling Company, Higginsville, Mo. Class 46.

29,411. **DISSOLVO.** ARTICLE FOR REMOVING PAINT, OIL, VARNISHES, STAINS, AND FINISHES. Registered Jan. 5, 1897. HARRISON BROS. & Co., Philadelphia, Pa. Re-renewed Jan. 5, 1947, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

29,412. **REMOVO.** ARTICLE FOR REMOVING PAINT, OIL, VARNISHES, STAINS, AND FINISHES. Registered Jan. 5, 1897. HARRISON BROS. & Co., Philadelphia, Pa. Re-renewed Jan. 5, 1947, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

29,476. **"BALL BAND" AND REPRESENTATION OF A WOOL BOOT ETC.** WOOL BOOTS AND LUMBERMEN'S SOCKS. Registered Jan. 19, 1897. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Re-renewed Jan. 19, 1947, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana. Class 39.

29,557. **"THE DIAMOND" AND REPRESENTATION OF A CUT DIAMOND WITH RADIATING LINES.** RUBBER SPECIALTIES FOR USE BY PHYSICIANS AND INVALIDS. Registered Feb. 2, 1897. THE DIAMOND RUBBER CO. Re-renewed Feb. 2, 1947, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 44.

29,878. **REPRESENTATION OF A BOOT HAVING A BLACK BAND AT THE TOP.** WOOL BOOTS. Registered Apr. 20, 1897. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Re-renewed Apr. 20, 1947, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana. Class 39.

29,994. **ROCHE.** PRODUCTS FOR USE IN MEDICINE AND PHARMACY, DISINFECTANTS, AND PERFUMES. Registered May 11, 1897. F. HOFFMANN-LA ROCHE & CIE., Basel, Switzerland. Re-renewed May 11, 1947, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. Class 6.

30,113. **REPRESENTATION OF A HORSE IN HARNESS.** SALVES. Registered June 1, 1897. BICKMAN GALL CURE COMPANY. Re-renewed June 1, 1947, to The Bickmore Company, Old Town, Maine, a corporation of Maine. Class 6.

30,115. **GOLD DUST.** DETERGENT AND WASHING POWDERS. Registered June 1, 1897. THE N. K. FAIRBANK COMPANY, Chicago, Ill., St. Louis, Mo., New York, N. Y., and Montreal, Quebec, Canada. Re-renewed June 1, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

30,219. **REPRESENTATION OF TWO NAKED NEGRO BABIES.** DETERGENT AND WASHING POWDERS. Registered June 15, 1897. THE N. K. FAIRBANK COMPANY, Chicago, Ill., St. Louis, Mo., New York, N. Y., and Montreal, Quebec, Canada. Re-renewed June 15, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

57,382. **MORGANITE.** BRUSHES FOR MOTORS AND DYNAMOS. Registered Nov. 13, 1906. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England, a company organized under the laws of Great Britain. Re-renewed Nov. 13, 1946. Class 21.

59,552. **MEXICAN SALVE.** SALVE. Registered Jan. 8, 1907. ASCHENBACH & MILLER, INC., Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Jan. 8, 1947. Class 6.

59,632. **TITAN.** RUBBER BELTING, PACKING, HOSE, AND WOVEN COTTON-AND-RUBBER HOSE. Registered Jan. 15, 1907. THE DIAMOND RUBBER CO. Re-renewed Jan. 15, 1947, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 35.

59,633. **MOOSE.** RUBBER BELTING, PACKING, HOSE, AND WOVEN COTTON-AND-RUBBER HOSE. Registered Jan. 15, 1907. THE DIAMOND RUBBER CO. Re-renewed Jan. 15, 1947, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 35.

59,634. **SPHINX.** RUBBER BELTING, PACKING, HOSE, AND WOVEN COTTON-AND-RUBBER HOSE. Registered Jan. 15, 1907. THE DIAMOND RUBBER CO. Re-renewed Jan. 15, 1947, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 35.

59,757. **TARTARLITHINE.** MEDICINAL PREPARATION IN LIQUID, CRYSTALLIZED, AND POWDERED FORMS USED FOR PURIFYING AND TREATING THE BLOOD. Registered Jan. 15, 1907. MCKESSON & ROBBINS. Re-renewed Jan. 15, 1947, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 6.

59,788. **PYROZONE.** ANTISEPTIC PREPARATIONS FOR INTERNAL AND EXTERNAL USE CONTAINING PEROXID OF HYDROGEN. Registered Jan. 15, 1907. MCKESSON & ROBBINS. Re-renewed Jan. 15, 1947, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 6.

59,826. **LITTLE COUSIN.** NARRATIVE AND STORY BOOKS. Registered Jan. 22, 1907. L. C. PAGE & COMPANY, (INC.). Re-renewed Jan. 22, 1947, to L. C. Page & Company Inc., Boston, Mass., a corporation of Massachusetts. Class 38.

59,853. **U. S. BANK NOTE CO.** BLANK-BOOKS, CHECKS, LETTER-HEADS, ENVELOPS, CERTIFICATES, AND INVITATIONS. Registered Jan. 22, 1907. LEVEY BROTHERS & COMPANY. Re-renewed Jan. 22, 1947, to Shield Press, Incorporated, Indianapolis, Ind., a corporation of Indiana. Class 37.

59,917. **H-O.** COOKED ROLLED OATS. Registered Jan. 22, 1907. THE H-O HORNBYS OATMEAL COMPANY, New York and Buffalo, N. Y. Re-renewed Jan. 22, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

59,972. **PEERLESS.** MORTAR-COLORINGS. Registered Jan. 22, 1907. SAMUEL H. FRENCH & CO. Re-renewed Jan. 22, 1947, to Samuel H. French Paint Co., Philadelphia, Pa., a corporation of Delaware. Class 12.

60,074. **IVORETTE.** WASHING OR SOAP POWDER. Registered Jan. 29, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed Jan. 29, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

60,099. **FORCE.** COOKED FLAKED WHEAT. Registered Jan. 29, 1907. THE FORCE FOOD COMPANY, New York and Buffalo, N. Y. Re-renewed Jan. 29, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

60,103. **CRESTA.** COFFEE. Registered Jan. 29, 1907. LEVERING COFFEE CO. Re-renewed Jan. 29, 1947, to The Levering Coffee Company, Baltimore, Md., a corporation of Maryland. Class 46.

60,261. **VIM.** A CLEANSING, POLISHING, OR SCOURING PREPARATION IN POWDERED FORM. Registered Feb. 5, 1907. LEVER BROTHERS COMPANY, Portland, Maine, and Cambridge, Mass. Re-renewed Feb. 5, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

60,298. **UNION.** COTTON-SEED OILS. Registered Feb. 5, 1907. UNION OIL COMPANY, Providence, R. I. Re-renewed Feb. 5, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 46.

60,321. **"ARCHER BRAND" AND DESIGN.** TIMOTHY-SEED. Registered Feb. 5, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Feb. 5, 1947. Class 1.

60,357. **KEYSTONE.** SAWS. Registered Feb. 5, 1907. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Feb. 5, 1947. Class 23.

60,523. **GECO.** ROSETTES. Registered Feb. 12, 1907. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Re-renewed Feb. 12, 1947. Class 21.

60,593. **A S CO.** SOLID NICKEL, SOLID SILVER, AND SILVER-PLATED SPOONS, FORKS, SUGAR-SHELLS, AND BUTTER KNIVES. Registered Feb. 12, 1907. THE AMERICAN SILVER COMPANY, Bristol, Conn. Re-renewed Feb. 12, 1947, to The International Silver Company, Meriden, Conn., a corporation of Connecticut. Classes 23 and 28.

61,257. **ATWOOD'S VEGETABLE PHYSICAL JAUNDICE BITTERS.** REMEDY FOR DISEASED CONDITIONS OF THE BLOOD, THE LIVER, AND THE DIGESTIVE ORGANS. Registered Mar. 12, 1907. MANHATTAN MEDICINE CO. Re-renewed Mar. 12, 1947, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Delaware. Class 6.

61,283. **ECLIPSE.** LUBRICATING-OILS. Registered Mar. 12, 1907. ATLANTIC REFINING COMPANY, Franklin and Philadelphia, Pa. Re-renewed Mar. 12, 1947, to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 15.

61,315. **XXX.** FERTILIZERS. Registered Mar. 12, 1907. VIRGINIA-CAROLINA CHEMICAL COMPANY, Jersey City, N. J., Richmond and Norfolk, Va., Charleston, S. C., Savannah and Atlanta, Ga., Montgomery, Ala., Durham, N. C., and Memphis, Tenn. Re-renewed Mar. 12, 1947, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware. Class 10.

61,346. **GINGER-BREAD-MAN.** MOLASSES. Registered Mar. 19, 1907. P. DUFF & SONS, Pittsburgh, Pa. Re-renewed Mar. 19, 1947, to American Home Foods, Inc., New York, N. Y., a corporation of New York. Class 46.

61,347. **REPRESENTATION OF A GINGER-BREAD MAN.** MOLASSES. Registered Mar. 19, 1907. P. DUFF & SONS, Pittsburgh, Pa. Re-renewed Mar. 19, 1947, to American Home Foods, Inc., New York, N. Y., a corporation of New York. Class 46.

61,348. **TEDDY.** CANDY, CHOCOLATES, AND BONBONS. Registered Mar. 19, 1907. HAWLEY & HOOPS, New York, N. Y., a firm. Re-renewed Mar. 19, 1947. Class 46.

61,349. **TEDDY BEARS.** CANDY, CHOCOLATES, AND BONBONS. Registered Mar. 19, 1907. HAWLEY & HOOPS, New York, N. Y., a firm. Re-renewed Mar. 19, 1947. Class 46.

61,430. **REPRESENTATION OF ACE OF SPADES AND DESIGN.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEED AND CLOVER-SEED. Registered Mar. 19, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Mar. 19, 1947. Class 1.

61,431. **REPRESENTATION OF A TREE.** GRASS-SEED, TIMOTHY-SEED, GRAIN-SEED, AND CLOVER-SEED. Registered Mar. 19, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Mar. 19, 1947. Class 1.

61,499. **KEYSTONE DESIGN AND REPRESENTATION OF A BALANCE SCALE.** FILES AND RASPS. Registered Mar. 26, 1907. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Mar. 26, 1947. Class 23.

61,504. **ASHEPOO.** FERTILIZERS. Registered Mar. 26, 1907. ASHEPOO FERTILIZER COMPANY, Charleston, S. C. Re-renewed Mar. 26, 1947, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware. Class 10.

61,545. **THREE IN ONE.** AN OIL ADAPTED FOR USE AS A LUBRICATOR, A PRESERVER, OR A CLEANSER FOR METAL, WOOD OR LEATHER. Registered Mar. 26, 1907. G. W. COLE COMPANY, Rahway, N. J., and New York, N. Y. Re-renewed Mar. 26, 1947, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Class 15.

61,546. **3 IN 1.** AN OIL ADAPTED FOR USE AS A LUBRICATOR, A PRESERVER, OR A CLEANSER FOR METAL, WOOD OR LEATHER. Registered Mar. 26, 1907. G. W. COLE COMPANY, Rahway, N. J., and New York, N. Y. Re-renewed Mar. 26, 1947, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Class 15.

61,626. **SUCCESSFUL FARMING.** MONTHLY NEWSPAPER. Registered Mar. 26, 1907. SUCCESSFUL FARMING PUBLISHING COMPANY. Re-renewed Mar. 26, 1947, to Meredith Publishing Company, Des Moines, Iowa, a corporation of Iowa. Class 38.

61,633. **LEVER'S.** SOAP. Registered Apr. 2, 1907. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Re-renewed Apr. 2, 1947. Class 4.

61,692. **REPRESENTATION OF FIGURES ARRANGED IN A CIRCLE.** GRASS-SEEDS, GRAIN-SEEDS, TIMOTHY-SEED AND CLOVER-SEED. Registered Apr. 2, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Apr. 2, 1947. Class 1.

61,728. **DR. MILES.** REMEDIES FOR TORPID LIVER, BILIOUSNESS, CONSTIPATION, INDIGESTION, AND DISEASES OF THE ABDOMINAL ORGANS, HEADACHE, NEURALGIA, AND CERTAIN OTHER NAMED DISEASES. Registered Apr. 2, 1907. THE DR. MILES MEDICAL COMPANY. Re-renewed Apr. 2, 1947, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana. Class 6.

61,797. **"EASY".** WASHING-MACHINES. Registered Apr. 2, 1907. WALTER J. ZUILL. Re-renewed Apr. 2, 1947, to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware. Class 24.

61,905. **"FIT FOR A PRINCE" AND REPRESENTATION OF PRINCE AND CINDERELLA, ETC.** WHEAT-FLOUR. Registered Apr. 9, 1907. NEW PRAGUE FLOURING MILL COMPANY, New Prague, Minn. Re-renewed Apr. 9, 1947, to International Milling Company, Wilmington, Del., a corporation of Delaware. Class 46.

61,906. **CINDERELLA.** WHEAT-FLOUR. Registered Apr. 9, 1907. NEW PRAGUE FLOURING MILL COMPANY, New Prague, Minn. Re-renewed Apr. 9, 1947, to International Milling Company, Wilmington, Del., a corporation of Delaware. Class 46.

61,915. **PICTORIAL REPRESENTATION OF THE CAPTURE OF FORT TICONDEROGA.** WHEAT-FLOUR. Registered Apr. 9, 1907. WELLS FLOUR MILLING COMPANY, Wells, Minn. Re-renewed Apr. 9, 1947, to International Milling Company, Wilmington, Del., a corporation of Delaware. Class 46.

61,916. **ETHAN ALLEN.** WHEAT-FLOUR. Registered Apr. 9, 1907. WELLS FLOUR MILLING COMPANY, Wells, Minn. Re-renewed Apr. 9, 1947, to International Milling Company, Wilmington, Del., a corporation of Delaware. Class 46.

62,357. **PRIMROSE.** SOAP. Registered Apr. 30, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed Apr. 30, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

62,384. **A & F PEARS.** PERFUMED FANCY SOAPS. Registered May 7, 1907. A. & F. PEARS LIM'D, London, England. Re-renewed May 7, 1947, to A. & F. Pears Limited, Isleworth, England, a corporation of England. Class 4.

62,480. **REPRESENTATION OF A RED STAR.** HIGH EXPLOSIVES AND BLASTING SUPPLIES, EMBRACING CAPS OR DETONATORS, ELECTRIC FUSES, AND FUSE CONSISTING OF HEMP OR COTTON AND POWDER COVERED BY SINGLE, DOUBLE OR TRIPLE TAPE. Registered May 7, 1907. THE EASTERN DYNAMITE COMPANY, Kenvil, N. J. Re-renewed May 7, 1947, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 9.

62,554. **INDIAN HEAD.** COTTON PIECE GOODS AND COTTON BLANKETS. Registered May 14, 1907. JACKSON COMPANY. Re-renewed May 14, 1947, to Nashua Manufacturing Company, Nashua, N. H., a corporation of New Hampshire. Class 42.

62,560. **"S. S. P. CO." ETC. AND REPRESENTATION OF AN EAGLE PARTLY HIDDEN BEHIND A SHIELD DESIGN.** CANNED VEGETABLES, CANNED FRUITS, EGGS, GELATIN (USED AS A FOOD), NUTS, SPICES, SOUP-TABLETS, SAUCES, PICKLES, MUSTARD, TAPIOCA, SAGO, AND VINEGAR. Registered May 14, 1907. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Re-renewed May 14, 1947. Class 46.

62,783. **SILICA GRAPHITE.** PAINT. Registered May 28, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed May 28, 1947. Class 16.

62,784. **DIXON'S.** GRAPHITE. Registered May 28, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed May 28, 1947. Class 1.

62,794. **TIDAL WAVE.** WASHBOARDS. Registered May 28, 1907. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Re-renewed May 28, 1947, to National Washboard Company, Chicago, Ill., a corporation of West Virginia. Class 24.

62,894. **XXXX.** EVAPORATED MILK. Registered May 28, 1907. AMERICAN MILK PRODUCT CO. Re-renewed May 28, 1947, to Union Condensed Milk Company, Chicago, Ill., a corporation of Illinois. Class 46.

62,948. **KINGSTON.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered June 4, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed June 4, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

62,976. **CARBURET OF IRON.** STOVE-POLISH. Registered June 4, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed June 4, 1947. Class 4.

62,977. **FLAKE.** GRAPHITE. Registered June 4, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed June 4, 1947. Class 1.

62,997. **REX.** PLIERS WITHOUT CUTTING EDGES. Registered June 4, 1907. HAMMEL RIGLANDER & CO. Re-renewed June 4, 1947, to Hammel, Riglander & Co., Inc., New York, N. Y., a corporation of New York. Class 23.

63,040. **GUINNESS'S EXTRA STOUT ETC. AND DESIGN.** STOUT. Registered June 4, 1907. ARTHUR GUINNESS SON & CO. LIMD., London, England. Re-renewed June 4, 1947, to Arthur Guinness, Son & Company, Limited, London, England, and Dublin, Eire, a corporation organized under the laws of Great Britain. Class 48.

63,041. **REPRESENTATION OF A HARP.** STOUT. Registered June 4, 1907. ARTHUR GUINNESS SON & CO. LIMD., London, England. Re-renewed June 4, 1947, to Arthur Guinness, Son & Company, Limited, London, England, and Dublin, Eire, a corporation organized under the laws of Great Britain. Class 48.

63,071. **A & P.** COCOA AND CHOCOLATE. Registered June 4, 1907. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed June 4, 1947. Class 46.

63,119. **DIXON'S.** PENCILS. Registered June 4, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed June 4, 1947. Class 37.

63,137. **REPRESENTATION OF A DRAGON ETC.** SPOOL-COTTON, THREAD, AND SEWING-COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed June 11, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,138. **"DRAGON SPOOL COTTON" AND REPRESENTATION OF DRAGON ON SPOOL OF THREAD ETC.** SPOOL-COTTON, THREAD, AND SEWING-COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed June 11, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,139. **NON X. L.** SPOOL-COTTON, THREAD AND SEWING-COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed June 11, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,208. **"WILLIMANTIC SIX CORD STAR THREAD" AND DESIGN.** SPOOL-COTTON, THREAD AND SEWING-COTTON. Registered June 11, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed June 11, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,219. **CAPRICE.** SOAPS. Registered June 11, 1907. COLGATE & CO., New York, N. Y. Re-renewed June 11, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

63,264. **CAPRICE.** LIQUID AND POWDER PERFUMES AND TOILET WATERS. Registered June 11, 1907. COLGATE & CO., New York, N. Y. Re-renewed June 11, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

63,294. **REPRESENTATION OF AN ELECTRIFIED ROACH.** RAT AND ROACH EXTERMINATOR. Registered June 11, 1907. STEARNS ELECTRIC PASTE CO., Buffalo, N. Y. Re-renewed June 11, 1947, to Stearns Electric Paste Co., Chicago, Ill., a firm. Class 6.

63,309. **A & P.** FRUITS AND VEGETABLES, CANNED, DRIED, AND PREPARED; CATSUPS, FLAVORING EXTRACTS, SPICES, GROUND AND WHOLE; JAMS, PRESERVES, DATES, AND CERTAIN OTHER NAMED FOODS. Registered June 11, 1907. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed June 11, 1947. Class 46.

63,335. **"HICKORY" AND DIAMOND SHAPED DESIGN.** STOVES AND RANGES. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 18, 1947. Class 34.

63,395. **"HICKORY" AND DIAMOND SHAPED DESIGN.** POCKET KNIVES, RAZORS, SCISSORS, SHEARS, HATCHETS, AXES, HAND SAWS, CHISELS, FILES AND RASPS. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 18, 1947. Class 23.

63,396. **"HICKORY" AND DIAMOND SHAPED DESIGN.** HAMMERS, SCREW DRIVERS, AND SHOVELS. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 18, 1947. Class 23.

63,397. **"HICKORY" AND DIAMOND SHAPED DESIGN.** WASHING MACHINES, WASH TUBS, WASH BOILERS, AND CLOTHES WRINGERS. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 18, 1947. Class 24.

63,398. **"HICKORY" AND DIAMOND SHAPED DESIGN.** SEWING MACHINES. Registered June 18, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 18, 1947. Class 23.

63,417. **BURDOCK BLOOD BITTERS ARRANGED UPON A SCROLL.** BITTERS. Registered June 18, 1907. FOSTER-MILBURN COMPANY, Buffalo, N. Y., a corporation of New York. Re-renewed June 18, 1947. Class 6.

63,468. **HOOF TO FOOT.** BOOTS AND SHOES OF LEATHER. Registered June 25, 1907. ENDICOTT-JOHNSON COMPANY. Re-renewed June 25, 1947, to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Class 39.

63,498. **REPRESENTATION OF A SMALL CRUCIBLE.** LEAD AND CRAYON PENCILS. Registered June 25, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed June 25, 1947. Class 37.

63,499. **"HICKORY" AND DIAMOND SHAPED DESIGN.** BARBED WIRE, OIL CANS, MILK-CANS, TEAKETTLES, WASH BASINS, AND GALVANIZED WATER PAILS. Registered June 25, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 25, 1947. Classes 2 and 13.

63,500. **"HICKORY" AND DIAMOND SHAPED DESIGN.** LAWN MOWERS. Registered June 25, 1907. KELLEY-HOW-THOMSON CO., Duluth, Minn., a corporation of Maine. Re-renewed June 25, 1947. Class 23.

63,524. **CORONET.** CHINA FOR DOMESTIC AND HOUSEHOLD PURPOSES. Registered June 25, 1907. GEO. BORGFELDT & CO. Re-renewed June 25, 1947, to Geo. Borgfeldt Corporation, New York, N. Y., a corporation of New York. Class 30.

63,528. **AMERICAN GRAPHITE.** LEAD AND CRAYON PENCILS. Registered June 25, 1907. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Re-renewed June 25, 1947. Class 37.

63,538. **ROYAL.** YEAST. Registered June 25, 1907. ROYAL BAKING POWDER CO., Jersey City, N. J., and New York, N. Y. Re-renewed June 25, 1947, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

63,626. **COPCO.** SOAP. Registered July 2, 1907. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed July 2, 1947, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

63,632. **PYRAMID.** SPOOL-COTTON, SEWING-SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 2, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,634. **MERMAID.** SPOOL-COTTON, SEWING-SILK, AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 2, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,636. **AUNT LYDIA'S.** SPOOL-COTTON, SEWING-SILK AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 2, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,637. **CLOVER.** SPOOL-COTTON, SEWING-SILK AND THREAD. Registered July 2, 1907. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed July 2, 1947, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

63,654. **YALE.** LOCKS AND KEYS. Registered July 2, 1907. THE YALE & TOWNE MFG. CO., Stamford, Conn. Re-renewed July 2, 1947, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut. Class 25.

63,671. **"WM. SIMPSON & SONS FAST BLACK." AND DESIGN.** PRINTED AND DYED TEXTILE FABRICS. Registered July 2, 1907. THE EDDYSTONE MANUFACTURING COMPANY, Eddystone and Philadelphia, Pa. Re-renewed July 2, 1947, to The Eddystone Manufacturing Company, Eddystone, Pa., a corporation of Pennsylvania. Class 42.

63,705. **KÉLÈNE.** CHLORID OF ETHYL. Registered July 2, 1907. HAROLD H. FRIES. Re-renewed July 2, 1947, to Fries Bros., Inc., New York, N. Y., a corporation of New Jersey. Class 6.

63,966. **"SUPREME LIGHT" ETC. AND DRAWING.** ILLUMINATING-OIL. Registered July 16, 1907. THE NATIONAL REFINING COMPANY. Re-renewed July 16, 1947, to The National Refining Company, Cleveland, Ohio, a corporation of Ohio. Class 15.

211,088. **TIPOGRAPH.** SWEATBANDS. Registered Apr. 6, 1926. HARRIS & TIPOGRAPH, INC. Renewed Apr. 6, 1946, to Harris & Tipograph, Inc., New York, N. Y., a corporation of New York. Class 39.

219,243. **"PRINCESS" AND DESIGN.** PIANO AND FURNITURE POLISH. Registered Oct. 12, 1926. IVERS & POND PIANO CO., Boston, Mass. Renewed Oct. 12, 1946, to Ivers & Pond Piano Co., Bronx, N. Y., a corporation of Massachusetts. Class 16.

222,407. **COOLENE.** FOOT CREAM. Registered Jan. 4, 1927. GUARANTEED PRODUCTS, INC., doing business as Coolene Laboratories. Renewed Jan. 4, 1947, to Swedish Shampoo Laboratories, New York, N. Y., a partnership. Class 6.

222,437. **"ACID TEST" ETC. AND A SERVICE INSIGNIA ENCLOSED WITHIN A DIAMOND OUTLINE.** INSIGNIA, BUTTONS, AND ORNAMENTS MADE OF A SPECIAL METAL (NOT A PRECIOUS METAL) AND DESIGNED ESPECIALLY FOR USE ON ARMY, MARINE, AND OTHER UNIFORMS AND EQUIPMENT, AND MORE PARTICULARLY ON COLLARS, SHOULDER STRAPS, AND CAPS OF UNIFORMS. Registered Jan. 4, 1927. N. S. MEYER, INC., New York, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 50.

222,453. **BEMBERG.** ARTIFICIAL SILK IN THREAD AND YARN FORM. Registered Jan. 4, 1927. AMERICAN BEMBERG CORPORATION, New York, N. Y., a corporation of Delaware. Renewed Jan. 4, 1947. Class 43.

222,508. **NICODEMUS O'MALLEY.** CARTOONS. Registered Jan. 4, 1927. KING FEATURES SYNDICATE, INC. Renewed Jan. 4, 1947, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Class 38.

222,546. **SELFAST.** BROADCLOTH OF COTTON, SILK, COTTON AND SILK, WOOL, AND COTTON AND WOOL IN THE PIECE. Registered Jan. 4, 1927. CARSON PIRIE SCOTT & CO., Chicago, Ill. Renewed Jan. 4, 1947, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Class 42.

222,832. **SUMMER-KOTE.** CHOCOLATE AND CANDIES. Registered Jan. 11, 1927. OLIVER-FINNIE CO., Memphis, Tenn., a corporation of Tennessee. Renewed Jan. 11, 1947. Class 46.

222,925. **GUN-FIL.** LUBRICATORS. Registered Jan. 11, 1927. JOHN ROME BATTLE, doing business as Industrial Oil Equipment Co., Philadelphia, Pa. Renewed Jan. 11, 1947, to Gray Company, Inc., Minneapolis, Minn., a corporation of South Dakota. Class 23.

222,931. **SATISFACTION MIXED.** CANDY. Registered Jan. 11, 1927. HAWLEY & HOOPS, New York, N. Y., a firm. Renewed Jan. 11, 1947. Class 46.

222,965. **TORBEN.** TOILET PREPARATIONS FOR USE ON THE SKIN—NAMELY, A FACE CREAM AND A RADIOACTIVE PREPARATION EMPLOYED AS A COMPLEXION BEAUTIFIER. Registered Jan. 11, 1927. MARINELLO COMPANY. Renewed Jan. 11, 1947, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York. Class 6.

223,015. **"MOTH SKAT" AND DESIGN.** PREPARATION FOR EXTERMINATING MOTHS. Registered Jan. 11, 1927. PEERLESS PRODUCTS CO., Los Angeles, Calif. Renewed Jan. 11, 1947, to Gallowhur Chemical Corporation, New York, N. Y., a corporation of New York. Class 6.

223,037. **ECKERSON'S FIRST PRIZE AND DESIGN.** MAYONNAISE, RUSSIAN DRESSING, SANDWICH SPREAD—NAMELY, A MAYONNAISE PRODUCT WITH MEAT AND VEGETABLE FILLER; MARGARINE, POTATO CHIPS. Registered Jan. 11, 1927. ECKERSON COMPANY, Jersey City, N. J. Renewed Jan. 11, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

223,173. **AUTOSAN.** DISH, SILVER, AND GLASS CLEANING MACHINES AND METAL-PARTS-CLEANING MACHINES. Registered Jan. 18, 1927. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed Jan. 18, 1947. Class 23.

223,304. **PASTRIOLA.** OLEOMARGARINE. Registered Feb. 1, 1927. ST. LOUIS INDEPENDENT PACKING COMPANY, doing business as Missouri Butterine Co. Renewed Feb. 1, 1947, to St. Louis Independent Packing Company, St. Louis, Mo., a corporation of Missouri. Class 46.

223,704. **JACOBOG.** GREEN COFFEE. Registered Feb. 8, 1927. J. ARON & COMPANY, INC., New Orleans, La., a corporation of Louisiana. Renewed Feb. 8, 1947. Class 46.

223,715. **HIBISCUS.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Feb. 8, 1927. SWEETWATER FRUIT COMPANY, Bonita, Calif. Renewed Feb. 8, 1947, to The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California. Class 46.

223,778. **GLOREEN.** WOOLEN PIECE GOODS. Registered Feb. 8, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Feb. 8, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

223,781. **STAFLEX.** GLUE. Registered Feb. 8, 1927. SWIFT AND COMPANY. Renewed Feb. 8, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 5.

223,858. **ROGERS BRUSHING LACQUER AND DESIGN.** DRY, PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, AND LACQUERS. Registered Feb. 15, 1927. DETROIT WHITE LEAD WORKS. Renewed Feb. 15, 1947, to Rogers Paint Products, Inc., Detroit, Mich., a corporation of Michigan. Class 16.

223,949. **MONOVEYOR.** MATERIAL-HANDLING APPARATUS FOR HANDLING COAL, STONE, AND SIMILAR MATERIAL OR SUBSTANCES. Registered Feb. 15, 1927. THE GALION IRON WORKS & MFG. CO., Galion, Ohio. Renewed Feb. 15, 1947, to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio. Class 23.

223,973. **"SARANAC" AND REPRESENTATION OF AN INDIAN WARRIOR ENCLOSED IN A RECTANGULAR OUTLINE.** CREPE TISSUE PAPER, TOILET TISSUE PAPER, HEAVY CREPE PAPER, SULPHITE WRAPPING PAPER, AND WAXING PAPER. Registered Feb. 15, 1927. SARANAC PULP & PAPER COMPANY, INC., Plattsburg, N. Y. Renewed Feb. 15, 1947, to B-F-D Company, New York, N. Y., a corporation of Maine. Class 37.

224,070. **CLAROPHONE.** HEARING TUBES FOR PHONOGRAPHS AND LIKE INSTRUMENTS. Registered Feb. 15, 1927. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed Feb. 15, 1947. Class 36.

224,141. **BIG JESS.** WORK SHIRTS, OVERALLS, AND WORK PANTS. Registered Feb. 22, 1927. WASHINGTON MANUFACTURING CO., Nashville, Tenn., a corporation of Tennessee. Renewed Feb. 22, 1947. Class 39.

224,211. **HENKEL'S BEST FAMILY FLOUR AND DESIGN.** WHEAT FLOUR. Registered Feb. 22, 1927. COMMERCIAL MILLING CO., Detroit, Mich. Renewed Feb. 22, 1947, to International Milling Company, Wilmington, Del., a corporation of Delaware. Class 46.

224,241. **DREAM GIRL.** HOSIERY. Registered Feb. 22, 1927. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Feb. 22, 1947. Class 39.

224,271. **VELLAREEN.** WOOLEN PIECE GOODS. Registered Feb. 22, 1927. FORSTMANN & HUFFMANN COMPANY. Renewed Feb. 22, 1947, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

224,600. **CLOVERLANE.** BUTTER. Registered Mar. 1, 1927. ERNEST S. BAZLEY, doing business as The Bazley Market. Renewed Mar. 1, 1947, to Bazley and Junedale Markets Co., Chicago, Ill., a corporation of Illinois. Class 46.

224,639. **"SCHICK" AND REPRESENTATION OF RAZOR BLADE ETC.** SAFETY RAZORS AND RAZOR BLADES. Registered Mar. 1, 1927. MAGAZINE REPEATING RAZOR COMPANY, New York, N. Y. Renewed Mar. 1, 1947, to Magazine Repeating Razor Company, Chicago, Ill., a corporation of New Jersey. Class 23.

224,690. **VANIROBE.** WARDROBES. Registered Mar. 1, 1927. FORREST ADDITION, Flowery Branch, Ga. Renewed Mar. 1, 1947. Class 32.

224,925. **"HILL'S" AND PORTRAIT AND W. H. HILL'S SIGNATURE.** MEDICINAL PREPARATION FOR THE TREATMENT OF COLDS AND HEADACHES. Registered Mar. 8, 1927. THE LARNED COMPANY, Detroit, Mich. Renewed Mar. 8, 1947, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Delaware. Class 6.

224,933. **PEPTO-BISMOL.** PEPTO-BISMOL; A LIQUID DEMULCENT PREPARATION, ADMINISTERED (GIVEN) AS AN INTESTINAL ANTISEPTIC, DIGESTANT, AND FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS. Registered Mar. 8, 1927. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y., a corporation of New York. Renewed Mar. 8, 1947. Class 6.

224,940. **TOLESCO.** WEIGHING SCALES, WEIGHING MACHINES, WEIGHING APPARATUS, COUNTING MACHINES, DYNAMOMETERS, BALANCE-TESTING MACHINES, AND INSTRUMENTS FOR MEASURING TENSION, RESILIENCE, STRENGTH OF MATERIAL, RESISTANCE TO DISTORTION, AND MOISTURE CONTENT. Registered Mar. 8, 1927. TOLEDO SCALE COMPANY. Renewed Mar. 8, 1947, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey. Class 26.

225,057. **REPRESENTATION OF A DOORWAY ETC.** SOAP. Registered Mar. 8, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 8, 1947. Class 4.

225,187. **THE OFFICIAL RAILWAY EQUIPMENT REGISTER.** PERIODICAL RELATING TO THE BUSINESS OF RAILROADS AND CONTAINING INFORMATION WITH RESPECT THERETO. Registered Mar. 15, 1927. THE RAILWAY EQUIPMENT AND PUBLICATION CO., New York, N. Y., a corporation of New Jersey. Renewed Mar. 15, 1947. Class 38.

225,212. **PLAY-TIME AND DESIGN.** CHILDREN'S NAINSOOK UNDERWEAR OF TEXTILE FABRICS. Registered Mar. 15, 1927. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 15, 1947. Class 39.

225,381. **"JACKSON" AND DESIGN.** MALT SIRUP. Registered Mar. 15, 1927. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Renewed Mar. 15, 1947. Class 48.

225,390. **PEYCHAUD.** NONALCOHOLIC, MALTLESS FLAVORING EXTRACTS FOR MAKING SOFT DRINKS. Registered Mar. 15, 1927. L. E. JUNG, New Orleans, La. Renewed Mar. 15, 1947, to L. E. Jung & Wulff Co., Inc., New York, N. Y., a corporation of New York. Class 45.

225,488. **FLYROL AND HEAVY UNDERLINE.** INSECTICIDES—NAMELY, FLY POISON. Registered Mar. 22, 1927. ANTROL LABORATORIES, INC., Los Angeles, Calif. Renewed Mar. 22, 1947, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Class 6.

225,517. **ZIPPA.** SPORT SHOES, SUCH AS TENNIS SHOES, MADE OF RUBBER AND FABRIC. Registered Mar. 22, 1927. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed Mar. 22, 1947. Class 39.

225,592. **PROXLIN.** PAINT ENAMELS, PAINT AND VARNISH THINNERS, AND LACQUERS. Registered Mar. 22, 1927. ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich. Renewed Mar. 22, 1947, to Acme White Lead & Co., Detroit, Mich., a corporation of Michigan. Class 16.

225,653. **JUMBO.** TEXTILE TOWELS. Registered Mar. 22, 1927. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 22, 1947. Class 42.

225,781. **CLARUS.** OIL SOAP. Registered Mar. 22, 1927. THE PHOENIX OIL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 22, 1947. Class 4.

225,824. **"DANIEL WEBSTER" ETC. AND PORTRAIT.** WHEAT FLOUR. Registered Mar. 29, 1947. THE EAGLE ROLLER MILL COMPANY, New Ulm, Minn., a corporation of Minnesota. Renewed Mar. 29, 1947. Class 46.

225,834. **CONNAIS - TU LE PAYS? WRITTEN IN A CIRCULAR DESIGN.** TOILET ARTICLES—NAMELY, FACE LOTIONS, FACE CREAMS, FACE POWDERS, TOILET POWDERS, AND CERTAIN OTHER NAMED TOILET ARTICLES. Registered Mar. 29, 1927. LES PARFUMS DE ROSINE, INC., New York, N. Y. Renewed Mar. 29, 1947, to Les Parfums De Rosine, S. A. R. L., Paris, France, a corporation of the Republic of France. Class 6.

225,838. **"DAIRY QUEEN" ETC. AND DESIGN ENCLOSED IN RECTANGULAR OUTLINE.** CONDENSED MILK. Registered Mar. 29, 1927. THE UNIVERSAL MILK COMPANY, New York, N. Y. Renewed Mar. 29, 1947, to The Universal Milk Company, Dover, Del., a corporation of Delaware. Class 46.

225,937. **DEEPTONE.** PRINTING EQUIPMENT—NAMELY, CLEANING ATTACHMENTS FOR ROTARY AND OTHER PRESSES, LITHOGRAPHIC AND ROTOGRAVURE PLATE HOLDERS, FOR ATTACHMENT TO PRINTING PRESSES, ETC. Registered Mar. 29, 1927. BARNEY & GEBBNHEIMER, New York, N. Y. Renewed Mar. 29, 1947, to R. R. Donnelley & Sons Company, Chicago, Ill., a corporation of Illinois. Class 23.

226,080. **ARABOG.** GREEN COFFEE. Registered Mar. 29, 1927. J. ARON & COMPANY, INC., New Orleans, La., a corporation of Louisiana. Renewed Mar. 29, 1947. Class 46.

226,115. **CONCERT MASTER.** RADIO VACUUM TUBES. Registered Mar. 29, 1927. P. D. JACKSON, doing business as Concert Master Mfg. Company and Continental Corporation, Chicago, Ill. and Newark, N. J. Renewed Mar. 29, 1947, to Continental Corporation, Chicago, Ill., a corporation of Illinois. Class 21.

226,182. **TWO YELLOW BANDS DIRECTLY UPON TIP OF A PENCIL.** PENCILS. Registered Apr. 5, 1927. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed Apr. 5, 1947. Class 37.

226,404. **AVENUE DU BOIS.** TOILET ARTICLES—NAMELY, FACE LOTIONS, FACE CREAMS, FACE POWDERS, TOILET POWDERS, TALCUM POWDERS, AND CERTAIN OTHER NAMED TOILET ARTICLES. Registered Apr. 5, 1927. LES PARFUMS DE ROSINE, INC., New York, N. Y. Renewed Apr. 5, 1947, to Les Parfums De Rosine, S. A. R. L., Paris, France, a corporation of the Republic of France. Class 6.

226,406. **COEUR EN FOLIE.** TOILET ARTICLES—NAMELY, FACE LOTIONS, FACE CREAMS, FACE POWDERS, TOILET POWDERS, TALCUM POWDERS, AND CERTAIN OTHER NAMED TOILET ARTICLES. Registered Apr. 5, 1927. LES PARFUMS DE ROSINE, INC., New York, N. Y. Renewed Apr. 5, 1947, to Les Parfums De Rosine, S. A. R. L., Paris, France, a corporation of the Republic of France. Class 6.

226,623. **"BATH" ETC. AND DESIGN.** TAPS, DIE BLOCKS, HOBS, THREAD-ROLLING DIES, THREAD CHASERS, AND THREADED RODS AND SHAFTS FOR USE IN MACHINE CONSTRUCTIONS. Registered Apr. 12, 1927. JOHN BATH & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed Apr. 12, 1947. Class 23.

226,716. **"ANN MAY" AND FANCIFUL REPRESENTATION OF A GIRL.** PIECE GOODS MADE OF COTTON, WOOL, SILK, RAYON, AND COMBINATIONS OF SAME. Registered Apr. 19, 1927. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Apr. 19, 1947. Class 42.

226,788. **THRIFT THURSDAY.** ARTIFICIAL SILK TEXTILES, AWNING FABRICS, TEXTILE AND WOVEN BED COVERLETS, WOOL AND COTTON BLANKETS, AND OTHER LIKE ITEMS. Registered Apr. 19, 1927. M. RICH & BROS. CO. Renewed Apr. 19, 1947, to Rich's Inc., Atlanta, Ga., a corporation of Delaware. Class 42.

226,793. **"BARCO" AND DESIGN.** SUGARS, SOFT AND POWDERED; FLOUR—NAMELY, BUCKWHEAT, CAKE, CORN, ENTIRE WHEAT, GRAHAM, PANCAKE AND CERTAIN OTHER NAMED FOOD GOODS. Registered Apr. 19, 1927. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Renewed Apr. 19, 1947. Class 46.

226,794. **"SUNNY BARCO" AND DESIGN.** SUGARS SOFT AND POWDERED; FLOUR—NAMELY, BUCKWHEAT, CAKE, CORN, ENTIRE WHEAT, BRAN, PANCAKE, POTATO, PUMPERNICKEL, AND CERTAIN OTHER NAMED ARTICLES OF FOOD. Registered Apr. 19, 1927. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Renewed Apr. 19, 1947. Class 46.

226,935. **MONITOR.** WRITING TABLETS, SCHOOL TABLETS, COMPOSITION BOOKS, STUDENT NOTE BOOKS, EXAMINATION BOOKS, SPELLING BOOKS, DRAWING BOOKS, LOOSE-LEAF PAPERS, AND LOOSE-LEAF BINDERS. Registered Apr. 26, 1927. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed Apr. 26, 1947. Class 37.

226,951. **EVERGREEN.** FARM AND GRASS SEEDS. Registered Apr. 26, 1927. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Apr. 26, 1947. Class 1.

227,116. **ENDURAROC.** BLACKBOARDS. Registered Apr. 26, 1927. E. W. A. ROWLES CO., Chicago, Ill. Renewed Apr. 26, 1947, to E. W. A. Rowles Co., Arlington Heights, Ill., a corporation of Illinois. Class 50.

227,357. **THRIFT THURSDAY.** LINEN, SILK, COTTON, AND WORSTED BRAIDS; ARTIFICIAL FLOWERS, UNMOUNTED BEADED BAGS, BEADS OF GLASS, AGATE AND OTHER ITEMS. Registered May 3, 1927. M. RICH & BROS. Co. Renewed May 3, 1947, to Rich's Inc., Atlanta, Ga., a corporation of Delaware. Class 40.

227,361. **AMCO.** ASBESTOS BRAKE LININGS, ASBESTOS BRAKE BLOCKS, ASBESTOS CLUTCH FACINGS, AND ASBESTOS DISKS. Registered May 3, 1927. ASBESTOS MANUFACTURING CO., Huntington, Ind., a corporation of Indiana. Renewed May 3, 1947. Class 35.

227,409. **"CHALLENGE".** FISHING LINE. Registered May 3, 1927. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed May 3, 1947. Class 22.

227,539. **WINNER.** NONALCOHOLIC, NONCEREAL MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUP FOR MAKING THE SAME. Registered May 10, 1927. KEEN KOLA MANUFACTURING COMPANY, Dallas, Tex. Renewed May 10, 1947, to Palmer Candy Company, Kaufman, Tex., a firm. Class 45.

227,551. **SEALIT.** CEMENT FOR ROOFS AND ANALOGOUS USES. Registered May 10, 1927. THE ARCO COMPANY. Renewed May 10, 1947, to The Arco Company, Cleveland, Ohio, a corporation of Ohio. Class 12.

227,681. **BADGER BRAND.** FRESH AND COLD-STORAGE EGGS. Registered May 10, 1927. PLANKINTON PACKING CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed May 10, 1947. Class 46.

227,728. **MILE STONES.** Diaries. Registered May 17, 1927. THE STANDARD DIARY COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed May 17, 1947. Class 37.

227,749. **SULFANTHRENE.** DYE-STUFFS. Registered May 17, 1927. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed May 17, 1947. Class 6.

227,835. **AUTOHARP.** MUSICAL INSTRUMENTS OF THE ZITHER TYPE. Registered May 17, 1927. INTERNATIONAL MUSICAL CORPORATION, Jersey City and Hoboken, N. J. Renewed May 17, 1947, to Oscar Schmidt-International, Incorporated, Jersey City, N. J., a corporation of New Jersey. Class 36.

227,991. **"LIGHTNIN" AND DESIGN.** ELECTRICALLY-OPERATED MIXING EQUIPMENT. Registered May 17, 1927. MIXING EQUIPMENT CO., INC., New York, N. Y. Renewed May 17, 1947, to Mixing Equipment Co., Inc., Rochester, N. Y., a corporation of New York. Class 21.

228,051. **"MIRAGE SHOE POLISH" ETC. AND CIRCULAR DESIGN.** SHOE POLISHES AND SHOE CREAMS. Registered May 24, 1927. GEORGE BROTHERS MFG. CO., New York, N. Y., a firm. Renewed May 24, 1947. Class 4.

228,065. **MONTICELLO.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered May 24, 1927. SWEETWATER FRUIT COMPANY, Bonita, Calif. Renewed May 24, 1947, to The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California. Class 46.

228,146. **OVERLAND WHIPPET.** PASSENGER-CARRYING AUTOMOBILES. Registered May 24, 1927. THE WILLYS-OVERLAND COMPANY. Renewed May 24, 1947, to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware. Class 19.

228,204. **"RED STEER BRAND" AND REPRESENTATION OF STEER.** FERTILIZER. Registered May 24, 1927. SWIFT AND COMPANY. Renewed May 24, 1947, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 10.

228,241. **REPRESENTATION OF BLOCKS OF CEMENT ETC.** PORTLAND CEMENT. Registered May 24, 1927. NORTH AMERICAN CEMENT CORPORATION, Albany, N. Y. Renewed May 24, 1947, to North American Cement Corporation, New York, N. Y., a corporation of Delaware. Class 12.

228,242. **"NORTH AMERICAN CEMENT CORPORATION" AND DESIGN LINED FOR BLUE.** PORTLAND CEMENT. Registered May 24, 1927. NORTH AMERICAN CEMENT CORPORATION, Albany, N. Y. Renewed May 24, 1947, to North American Cement Corporation, New York, N. Y., a corporation of Delaware. Class 12.

228,295. **"LIXIES" AND REPRESENTATION OF CLOWN AND STICK OF CANDY.** CANDY. Registered May 31, 1927. JOHN G. WOODWARD & CO., (INC.), Council Bluffs, Iowa. Renewed May 31, 1947, to F & F Laboratories, Inc., Chicago, Ill., a corporation of Illinois. Class 46.

228,303. **"IODINE SALT" AND DESIGN COLORED BLUE.** SALT. Registered May 31, 1927. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Renewed May 31, 1947, to International Salt Company, Inc., Scranton, Pa., a corporation of New Jersey. Class 46.

228,314. **"SUMMER-TEX" AND DESIGN.** MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, OVERCOATS, RAINCOATS, DUSTERS, MACKINAWS, AND CERTAIN OTHER NAMED CLOTHING. Registered May 31, 1927. COHEN, GOLDMAN & CO. INC., New York, N. Y., a corporation of New York. Renewed May 31, 1947. Class 39.

228,326. **SEAL SPAR.** VARNISH, JAPAN, FILLER, AND PREPARED SHELLAC. Registered May 31, 1927. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed May 31, 1947. Class 16.

228,346. **WHITE ROSE.** RASPBERRY SIRUP, GRAPE JUICE, ORANGE JUICE, AND SWEET CIDER. Registered May 31, 1927. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed May 31, 1947. Class 45.

228,353. **REPRESENTATION OF A CAPSTAN.** TUMBLERS, GLASSES, GLASS BOTTLES, GLASS JARS, FANCY GLASS VASE JARS, AND GLASS DISHES. Registered May 31, 1927. CAPSTAN GLASS COMPANY, Connellsville, Pa. Renewed May 31, 1947, to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware. Class 33.

228,388. **MIRENTA'S IN-NO-SCENT.** A DEODORANT FOR USE IN THE TREATMENT OF EXCESSIVE PERSPIRATION. Registered May 31, 1927. A. MIRENTA & COMPANY, INC. Renewed May 31, 1947, to A. C. Mirenta, Tacoma, Wash. Class 6.

228,517. **"COLGATE'S SHAVING STICK HANDY-GRIP", ETC. AND DESIGNS.** SHAVING STICK AND SHAVING SOAP. Registered June 7, 1927. COLGATE & COMPANY, Jersey City, N. J. and New York, N. Y. Renewed June 7, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

228,716. **RED RIDING HOOD.** PEARLS, PEARL NECKLACES, BROOCHES, BAR PINS, PINS FOR DRESS ORNAMENTS, ORNAMENTAL HATPINS MADE OF OR PLATED WITH PRECIOUS METAL, AND CERTAIN OTHER NAMED JEWELRY ITEMS. Registered June 7, 1927. COHN & ROSENBERGER, INC. Renewed June 7, 1947, to Coro, Inc., New York, N. Y., a corporation of New York. Class 28.

228,745. **MUROW.** WOOLEN GOODS IN THE PIECE. Registered June 7, 1927. WORUMBO MANUFACTURING COMPANY, Bath, Maine. Renewed June 7, 1947, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. Class 42.

228,758. **"QUEEN FROCKS" AND REPRESENTATION OF A QUEEN'S CROWN IN A RECTANGULAR OUTLINE.** DRESSES AND FROCKS FOR WOMEN AND CHILDREN. Registered June 7, 1927. QUEEN DRESS & SKIRT COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 7, 1947. Class 39.

228,771. **"C C" REPRESENTATION OF AN ANCHOR AND DESIGN.** CLOSURE CAPS. Registered June 7, 1927. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y. Renewed June 7, 1947, to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware. Class 50.

228,871. **POROLASTIK.** ELASTIC FABRIC IN THE PIECE. Registered June 14, 1927. THE NARROW FABRIC CO., West Reading and Reading, Pa., a corporation of Pennsylvania. Renewed June 14, 1947. Class 42.

228,894. **8 O'CLOCK.** COFFEE. Registered June 14, 1927. THE GREAT ATLANTIC & PACIFIC TEA CO., Jersey City, N. J. Renewed June 14, 1947, to The Great Atlantic & Pacific Tea Co., New York, N. Y., a corporation of New Jersey. Class 46.

228,895. **BUYERS REGISTER AND DESIGN.** MAGAZINE. Registered June 14, 1927. SMITH BROTHERS PUBLISHERS, INC., New York, N. Y., a corporation of New York. Renewed June 14, 1947. Class 38.

228,991. **PACIFIC ECONOMY.** SODA. Registered June 14, 1927. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed June 14, 1947. Class 6.

229,043. **CORONATION.** CIGARETTES. Registered June 21, 1927. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Renewed June 21, 1947. Class 17.

229,102. **"HOME PRIDE" AND DESIGN.** BREAD OF VARIOUS KINDS, COFFEE CAKES, CRULLERS, ROLLS, AND CAKES OF ALL KINDS. Registered June 21, 1927. BORCK & STEVENS INCORPORATED, Bridgeport, Conn., a corporation of Connecticut. Renewed June 21, 1947. Class 46.

229,122. **"ARCOZON" AND DESIGN.** LACQUERS. Registered June 21, 1927. THE ARCO COMPANY. Renewed June 21, 1947, to The Arco Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

229,140. **BEAU CLAIRE.** LADIES' AND MISSES' DRESSES, COATS, AND SUITS. Registered June 21, 1927. FROHMAN & ALTMAN, INC. Renewed June 21, 1947, to Beau Claire Fashions, Inc., New York, N. Y., a corporation of New York. Class 39.

229,141. **DIXIE BELLE.** SANITARY NAPKINS. Registered June 21, 1927. ACME COTTON PRODUCTS CO., INC., New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 44.

229,206. **IMPERIAL.** STORAGE-BATTERY TERMINALS, PLUGS, SCREWS, AND BUSHINGS. Registered June 21, 1927. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1947. Class 21.

229,211. **JUNEDALE.** BACON. Registered June 21, 1927. ERNEST S. BAZLEY, doing business as The Bazley Market. Renewed June 21, 1947, to Bazley and Junedale Markets Co., Chicago, Ill., a corporation of Illinois. Class 46.

229,228. **"TUCOLOR".** VIOLIN AND CELLO STRINGS. Registered June 21, 1927. SIMSON & FREY, INC., New York, N. Y. Renewed June 21, 1947, to Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio. Class 36.

229,234. **"AMERICAN BEAUTY" AND REPRESENTATION OF ROSE AND DESIGN.** YARN AND MACHINE THREAD. Registered June 21, 1927. A. W. ARCHER CO. INC., New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 43.

229,241. **WEST PENN BRAND ETC. AND DESIGN.** CEMENT. Registered June 21, 1927. WEST PENN CEMENT COMPANY, Butler, Pa., a corporation of Pennsylvania. Renewed June 21, 1947. Class 12.

229,254. **NUSAN.** SANITARY NAPKINS. Registered June 21, 1927. THE NARROW FABRIC CO., West Reading and Reading, Pa., a corporation of Pennsylvania. Renewed June 21, 1947. Class 44.

229,287. **"COLGATES RIBBON DENTAL CREAM" ETC. AND DESIGNS COLORED RED AND GREEN.** DENTAL CREAM. Registered June 21, 1927. COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 21, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 6.

229,288. **"H AND K" AND DESIGN.** CHEESE. Registered June 21, 1927. HULSEBERG & KRUDENER, INC., New York, and Brooklyn, N. Y. Renewed June 21, 1947, to Hulseberg & Krudener, Inc., Brooklyn, N. Y., a corporation of New York. Class 46.

229,297. **LION.** SALT. Registered June 21, 1927. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Renewed June 21, 1947, to International Salt Company, Inc., Scranton, Pa., a corporation of New Jersey. Class 46.

229,304. **FIBREX.** COMPOSITE BOARD AND LUMBER. Registered June 21, 1927. MACANDREWS & FORBES COMPANY, Camden, N. J., and New York, N. Y. Renewed June 21, 1947, to MacAndrews & Forbes Company, Camden, N. J., a corporation of New Jersey. Class 12.

229,360. **HICKORY.** FLAKES AND POWDERED SOAP. Registered June 28, 1927. LOS ANGELES SOAP COMPANY, Los Angeles, Calif., a corporation of California. Renewed June 28, 1947. Class 4.

229,378. **"ODELL'S" ETC. AND REPRESENTATION OF AN AMERICAN BEAUTY ROSE IN A RECTANGULAR OUTLINE.** HAIR TONIC, HAIR DRESSING, AND EAU DE QUININE. Registered June 28, 1927. THE ODELL COMPANY, INC., Newark, N. J., a corporation of New Jersey. Renewed June 28, 1947. Class 6.

229,390. **DENAFELT.** FLOOR COVERINGS INCLUDING HAIR RUG CUSHIONS, HAIR CARPET LINING, AND HAIR STAIR PADS. Registered June 28, 1927. DENSTEN FELT AND HAIR COMPANY, INC., Philadelphia, Pa., a corporation of Massachusetts. Renewed June 28, 1947. Class 50.

229,445. **INDESTRO.** NUT-WRENCH SETS, SOCKET-WRENCH SETS, RATCHET-HANDLE WRENCHES, NUT AND TAP WRENCHES, SOCKET WRENCHES, AND CERTAIN OTHER NAMED ARTICLES. Registered June 28, 1927. INDESTRO MFG. CO. Renewed June 28, 1947, to Indestro Manufacturing Corp., Chicago, Ill., a corporation of Illinois. Class 23.

229,468. **AMITY.** SOAP, SOAP POWDER, SOAP FLOUR, SOAP CHIPS, AND SOAP FLAKES. Registered June 28, 1927. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed June 28, 1947. Class 4.

229,486. **BELL TOWER.** CANNED OLIVES. Registered June 28, 1927. ALBERS PACKING COMPANY, Riverside, Calif. Renewed June 28, 1947, to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y., a corporation of New York. Class 46.

229,489. **HIDEKOTE.** MIXED PAINT. Registered June 28, 1927. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed June 28, 1947. Class 16.

229,490. **"DIM-TONE" AND RECTANGULAR BACKGROUND DESIGN.** MIXED PAINT. Registered June 28, 1927. J. F. KURFEES PAINT COMPANY, INCORPORATED, Louisville, Ky., a corporation of Kentucky. Renewed June 28, 1947. Class 16.

229,493. **MON PARFUM.** TOILET SOAP. Registered June 28, 1927. BOURJOIS, INC., New York, N. Y., a corporation of New York. Renewed June 28, 1947. Class 4.

229,519. **UDYLITE.** MATERIALS FOR CADMIUM PLATING, INCLUDING STICK CADMIUM, ELECTROLYTES, SALT THEREFOR, ADDITION AGENTS THEREFOR, TEST-SET SOLUTIONS, AND BLOCK CADMIUM HAVING A STUD FASTENED THEREIN. Registered June 28, 1927. UDYLITE PROCESS COMPANY, Kokomo, Ind. Renewed June 28, 1947, to The Udylite Corporation, Detroit, Mich., a corporation of Delaware. Class 6.

229,533. **"AB" AND DESIGN.** INTERNAL HERB REMEDY IN TABLET FORM FOR THE TREATMENT OF THE BLOOD, KIDNEYS, AND LIVER. Registered June 28, 1927. THE ALONZO O. BLISS MEDICAL COMPANY, Washington, D. C., a corporation of the District of Columbia. Renewed June 28, 1947. Class 6.

229,535. **"C. J" AND REPRESENTATION OF A DOG.** GINGER ALE. Registered June 28, 1927. CURRAN & JOYCE CO., INC., Lawrence, Mass., a corporation of Massachusetts. Renewed June 28, 1947. Class 45.

229,607. **"S" AND DESIGN.** AUTOMOBILES AND STRUCTURAL PARTS THEREOF. Registered July 5, 1927. THE STUDEBAKER CORPORATION. Renewed July 5, 1947, to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware. Class 19.

229,651. **RÉOSIL.** HOSIERY. Registered July 5, 1927. SHREVE & ADAMS, INC., New York, N. Y., a corporation of New York. Renewed July 5, 1947. Class 39.

229,673. **BROWN BILT FOOT SCIENCE.** SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. Registered July 5, 1927. BROWN SHOE COMPANY, INC., St. Louis, Mo., a corporation of New York. Renewed July 5, 1947. Class 39.

229,678. **"LUSTRINE" ETC. AND DESIGN.** SHAMPOO. Registered July 5, 1927. A. H. CATHCART & JAMES S. THOMPSON COMPANY, St. Paul, Minn. Renewed July 5, 1947, to Kay Daumit, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

229,740. **"MADELON" AND DESIGN.** WOMEN'S APPAREL—NAMELY, DRESSES, FUR SCARFS, BLOUSES, AND OTHER LIKE ITEMS. Registered July 5, 1927. SHIRLEY MODES, INC., now by change of name Madelon Modes, Inc. Renewed July 5, 1947, to Madelon Modes, Inc., New York, N. Y., a corporation of New York. Class 39.

229,766. **A PHOTOGRAPH OF WILLIAM E. WRIGHT (DECEASED).** BIAS-FOLD TAPES AND TRIMMINGS OF FABRIC. Registered July 5, 1927. WILLIAM E. WRIGHT & SONS COMPANY, Orange, N. J. Renewed July 5, 1947, to William E. Wright & Sons Company, West Warren, Mass., a corporation of New Jersey. Class 40.

229,767. **STRATELINE DE LUXE.** DESK RULERS. Registered July 5, 1927. WESTCOTT RULE COMPANY, INCORPORATED, Seneca Falls, N. Y., a corporation of Delaware. Renewed July 5, 1947. Class 26.

229,836. **TWINKLE-TOES.** DOLLS. Registered July 5, 1927. IDEAL NOVELTY & TOY CO., Brooklyn, N. Y. Renewed July 5, 1947, to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York. Class 22.

229,855. **BARBARA WORTH AND REPRESENTATION OF A GIRL.** FRESH CANTALOUPES AND FRESH VEGETABLES. Registered July 5, 1927. MARTIN C. WAHL, El Centro, Calif. Renewed July 5, 1947. Class 46.

229,912. **ANTIAC.** PREPARATION OF ALKALINE SALTS DESIGNED FOR INTERNAL ADMINISTRATION FOR THE RELIEF OF HYPERACIDITY, FLATULENCE, AND SIMILAR DISORDERS. Registered July 12, 1927. FAIRCHILD BROS. & FOSTER, New York, N. Y. Renewed July 12, 1947, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

229,914. **SUMMIT.** FISHING REELS. Registered July 12, 1927. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed July 12, 1947. Class 22.

229,937. **CELLAS'.** TOMATO SAUCE, MACARONI AND OLIVE OIL. Registered July 12, 1927. CELLAS', INC. Renewed July 12, 1947, to Peter C. Sozzi, New York, N. Y. Class 46.

229,950. **ALVA JASMIN.** PERFUMES, ESSENCES OF PERFUMES, ESSENCES FOR PERFUMERY MATERIALS, AROMATIC MATERIALS, SYNTHETIC PERFUME MATERIALS, AND ETHEREAL OILS. Registered July 12, 1927. Arnold Louis van Ameringen. Renewed July 12, 1947, to van Ameringen-Haebler, Inc., New York, N. Y., a corporation of New York. Class 6.

229,987. **ORAL DENTALLINA.** DENTIFRICES AND LIQUID DENTIFRICES. Registered July 12, 1927. J. S. TYREE, CHEMIST, INC., Washington, D. C., a corporation of Delaware. Renewed July 12, 1947. Class 6.

229,993. **"TROJAN" LINED FOR RED ENCLOSED IN A DIAMOND OUTLINE.** PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Registered July 12, 1927. YOUNGS RUBBER CORPORATION, INC. Renewed July 12, 1947, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Class 44.

230,012. **"STERLING STUMP SOCK" FORMED WITH A COMMON S.** STUMP STOCKINGS AND STUMP SOCKS. Registered July 12, 1927. STERLING STOCKING Co. Renewed July 12, 1947, to The Ohio Willow Wood Company, Mount Sterling, Ohio, a corporation of Ohio. Class 39.

230,038. **110.** HAND PLANES. Registered July 12, 1927. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed July 12, 1947. Class 23.

230,064. **SPEED KING.** SLITTING MACHINES FOR SEVERING WEBS OF MATERIAL INTO STRIPS. Registered July 12, 1927. CHARLES KOEGEL'S SONS, INC., Holyoke and Springfield, Mass. Renewed July 12, 1947, to Charles Koegel's Sons, Inc., Holyoke, Mass., a corporation of Massachusetts. Class 23.

230,098. **"CLOVER" ETC. AND PICTORIAL REPRESENTATION OF SPECTACLE FRAMES.** SPECTACLE FRAMES. Registered July 12, 1927. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed July 12, 1947. Class 26.

230,143. **HALLOCK'S.** GLYCERIN, SWEET OIL, CAMPHORATED OIL, SIRUP IPECAC, AROMATIC SPIRITS OF AMMONIA, SPIRITS OF NITER, SPIRITS OF CAMPHOR, IODINE, ESSENCE OF PEPPERMINT, AND CERTAIN OTHER NAMED MEDICINES. Registered July 12, 1927. HALLOCK-DENTON CO., Newark, N. J., a corporation of New Jersey. Renewed July 12, 1947. Class 6.

230,161. **"THREE ELEPHANT" ENCLOSED IN A BANNER AND REPRESENTATION OF THREE ELEPHANTS.** BORAX AND BORIC ACID. Registered July 12, 1927. AMERICAN POTASH & CHEMICAL CORPORATION, New York, N. Y., a corporation of Delaware. Renewed July 12, 1947. Class 6.

230,168. **EPICINE.** NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. Registered July 12, 1927. ARNOLD LOUIS VAN AMERINGEN. Renewed July 12, 1947, to van Ameringen-Haebler, Inc., New York, N. Y., a corporation of New York. Class 6.

PLANT PATENTS

GRANTED AUGUST 19, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

752

ROSE PLANT

Alfred Krebs, Montebello, Calif., assignor of one-half to Edward E. Marsh, Pasadena, Calif.

Application January 26, 1946, Serial No. 643,542

1 Claim. (Cl. 47—61)

The variety of bush rose plant herein disclosed, characterized by its Geranium Lake to Carmine coloring, developing into a multiple-petaled, fully-opened rose, the coloring shading between Turkey Red, Carmine, and Geranium Lake, and characterized in its extremely rapid growth qualities, its intense fragrance, and its thorny stem structure, and further characterized in that it is resistant to mildew and pest infestation, and having as its parentage the E. G. Hill and Queen Alexandria bush roses.

753

ROSE PLANT

Henry Matheson Eddie, near Sardis, British Columbia, Canada, assignor to H. M. Eddie and Sons Limited, New Westminster County, British Columbia, Canada, a corporation of British Columbia

Application January 2, 1946, Serial No. 638,650

1 Claim. (Cl. 47—61)

The new and distinct variety of rose plant substantially as herein disclosed, characterized by its stocky and sturdy growth, its great resistance to disease, its abundant large dark green foliage, its strong peduncle, the slow and prolonged opening of its buds resulting in very great longevity, the perfect opening of the buds without balling in wet and hot weather, and its large well-formed flowers essentially white in colour with recurved petals and high centers, said petals having heavy texture and satiny appearance.

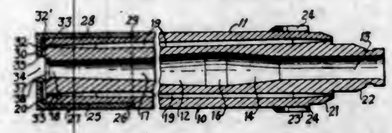
PATENTS

GRANTED AUGUST 19, 1947

2,425,709
BLOWPIPE NOZZLE

James H. Bucknam, Cranford, and Ivan P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application March 6, 1943, Serial No. 478,202
17 Claims. (Cl. 158—27.4)

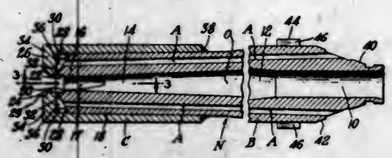


1. A blowpipe nozzle comprising an elongated member having a central oxygen passage extending longitudinally therethrough and also having a plurality of acetylene passages arranged in spaced substantially parallel relation to said oxygen passage, the discharge ends of all of said passages terminating in one end of said member having a face lying in a plane disposed at right angles to the longitudinal axis of said member, an end cap having a cylindrical skirt fitting an annular end portion of said member, the bottom panel of said cap having a shoulder seated on said end face to space the inner surface of said panel a fixed distance from said face, and means securing said cap in place on said member, said cap also having a bottom panel provided with an opening the inner edge of which is laterally offset with respect to the inner edge of the discharge end of said oxygen passage, said discharge end of the oxygen passage having a peripheral recess and being entirely open for discharging only a single stream of oxygen, and said bottom panel being disposed so as to direct the acetylene discharged by said acetylene passages inwardly toward said single stream of oxygen as the latter leaves the discharge end of said oxygen passage.

2,425,710
BLOWPIPE NOZZLE

James H. Bucknam, Cranford, and Ivan P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application November 1, 1944, Serial No. 561,358
10 Claims. (Cl. 158—27.4)

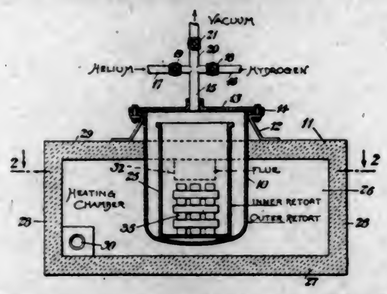


7. A post-mixed desurfacing blowpipe nozzle having a first single oblong discharge orifice for discharging a stream of oxygen, said nozzle having an oxygen supply passage upstream of and axially in line with said orifice, said oxygen supply passage having an outlet portion upstream of said orifice which gradually changes from circular to oblong cross-section and merges with said first orifice, each longer side of said passage being provided with a lateral step portion for creating an eddy current fringe of oxygen downstream of said orifice, the step portions forming an enlarged passage, said enlarged passage terminating in a second discharge orifice, means forming enlarged fuel gas chambers adjacent opposite longer sides of the enlarged passage, fuel gas supply passages in said nozzle discharging into said chambers, and restricted passage means providing communication between said chambers and said enlarged portion.

2,425,711
PRODUCTION OF METAL HYDRIDES

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Application July 8, 1944, Serial No. 544,047
14 Claims. (Cl. 23—204)



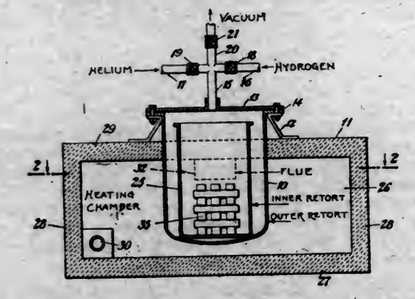
1. In the method of producing metal hydrides by reacting a hydride-forming metal with hydrogen gas at an elevated temperature, the improvement which comprises confining a charge of hydride-forming metal in a reaction zone, admitting hydrogen gas and a substantial amount of inert gas to the reaction zone, heating the hydride-forming metal in the reaction zone in the presence of the hydrogen gas and inert gas to a temperature sufficiently high to start the hydriding reaction, limiting the amount of hydrogen gas initially admitted to the reaction zone to limit the exothermic heat generated by the reaction to an amount insufficient to fuse the heated hydride-forming metal, gradually admitting further amounts of hydrogen gas to the reaction zone to continue the hydriding reaction in the presence of the inert gas, and regulating the rate of formation of the metal hydride and hence the rate of generation of exothermic heat until the hydriding reaction has gone substantially to completion in the presence of the inert gas by regulating the amounts of hydrogen gas thus admitted to the reaction zone to prevent fusion of the heated hydride-forming metal.

8. In the method of producing alkali metal hydrides by reacting an alkali metal with hydrogen gas at an elevated temperature, the improvement which comprises confining a charge of alkali metal in a reaction zone, admitting hydrogen gas and a substantial amount of inert gas to the reaction zone, heating the alkali metal in the reaction zone in the presence of the hydrogen gas and inert gas to a temperature sufficiently high to start the hydriding reaction, limiting the amount of hydrogen gas initially admitted to the reaction zone to limit the exothermic heat generated by the reaction to an amount insufficient to fuse the heated alkali metal, gradually admitting further amounts of hydrogen gas to the reaction zone to continue the hydriding reaction in the presence of the inert gas, and regulating the rate of formation of the alkali metal hydride and hence the rate of generation of exothermic heat until the hydriding reaction has gone substantially to completion in the presence of the inert gas by regulating the amounts of hydrogen gas thus admitted to the reaction zone to prevent fusion of the heated alkali metal.

2,425,712
PRODUCTION OF ALKALINE EARTH HYDRIDES

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Application July 8, 1944, Serial No. 544,048
14 Claims. (Cl. 23—204)



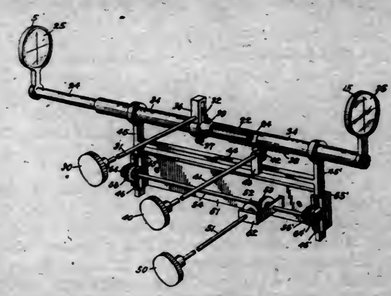
1. In the method of producing alkaline earth metal hydrides by reacting an alkaline earth metal with hydrogen gas at an elevated temperature, the improvement which comprises confining a charge of alkaline earth metal in a reaction zone, admitting hydrogen gas and a substantial amount of inert gas to the reaction zone, heating the alkaline earth metal in the reaction zone in the presence of the hydrogen gas and inert gas to a temperature sufficiently high to start the hydriding reaction, limiting the amount of hydrogen gas initially admitted to the reaction zone to limit the exothermic heat generated by the reaction to an amount insufficient to fuse the heated alkaline earth metal, gradually admitting further amounts of hydrogen gas to the reaction zone to continue the hydriding reaction in the presence of the inert gas, and regulating the rate of formation of the alkaline earth metal hydride and hence the rate of generation of exothermic heat until the hydriding reaction has gone substantially to completion in the presence of the inert gas by regulating the amounts of hydrogen gas thus admitted to the reaction zone to prevent fusion of the heated alkaline earth metal.

8. In the method of producing calcium hydride by reacting calcium with hydrogen gas at an elevated temperature, the improvement which comprises confining a charge of calcium in a reaction zone, admitting hydrogen gas and a substantial amount of inert gas to the reaction zone, heating the calcium in the reaction zone in the presence of the hydrogen gas and inert gas to a temperature sufficiently high to start the hydriding reaction, limiting the amount of hydrogen gas initially admitted to the reaction zone to limit the exothermic heat generated by the reaction to an amount insufficient to fuse the heated calcium, gradually admitting further amounts of hydrogen gas to the reaction zone to continue the hydriding reaction in the presence of the inert gas, and regulating the rate of formation of the calcium hydride and hence the rate of generation of exothermic heat until the hydriding reaction has gone substantially to completion in the presence of the inert gas by regulating the amounts of hydrogen gas thus admitted to the reaction zone to prevent fusion of the heated calcium.

2,425,713
STEREOSCOPIC RANGE AND HEIGHT FINDER WITH ADJUSTABLE RETICLES

Lindsay M. Applegate, Portland, Oreg.

Application July 30, 1943, Serial No. 496,700
6 Claims. (Cl. 88—2.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

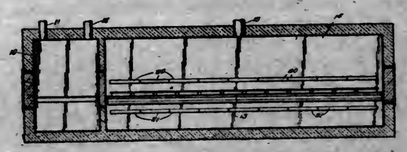


4. A stereoscopic range finder of the type having right and left groups of optical elements arranged along an axis and adapted to provide a stereoscopic image of a distant object when viewed through right and left eyepieces cooperating with said groups respectively, comprising a frame, a bearing member guided for translation by said frame in a first direction normal to said axis, a first slide carried by said bearing member for translation in a second direction parallel to said axis, a second slide carried by said first slide for translation in said second direction, means connecting said slides for equal and opposite movement relatively to said bearing member, and a reticle carried by each said slide, each reticle being interposed in a respective group of elements and on said axis.

2,425,714
QUICK FREEZING OF FOODS

John M. Baer, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois

Application October 12, 1944, Serial No. 558,400
3 Claims. (Cl. 99—192)



1. In a method of freezing a moisture-containing food product which comprises blanching the product by removing air therefrom and sub-

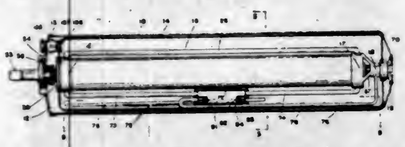
stituting an atmosphere of steam at a temperature in excess of 165° F., and evacuating the food product to reduce its temperature to a point just above the freezing point of water in the product, the step which comprises passing the product, in outspread form and out of contact with a refrigerating surface, through a chamber having black walls cooled to a temperature of approximately —200° F. wherein the heat of the product is radiated in substantial quantities to the walls and the product is quick-frozen in the chamber, the entire method being conducted in the substantial absence of air and the freezing chamber being continuously evacuated at a pressure below the vapor pressure of water at the temperature of the cooling walls.

2,425,715

FIRE EXTINGUISHER

Charles H. Barnes, Washington, D. C.

Application August 8, 1944, Serial No. 548,592
19 Claims. (Cl. 169—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



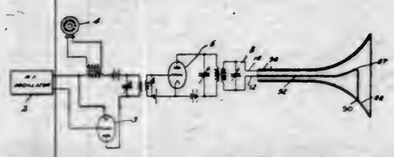
1. A fire extinguisher comprising a casing adapted to be held in the hand, a container for an extinguishing agent, means journaling said container in said casing to permit relative rotation therebetween, means fixed to said container for entraining the extinguishing agent and counterbalancing said container to one position and means fixed to said container for rotation therewith for supplying gas under pressure to said entraining means.

2,425,716

ELECTROMAGNETIC HORN

Wilmer Lanier Barrow, Newton, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application July 24, 1937, Serial No. 155,489
4 Claims. (Cl. 250—11)



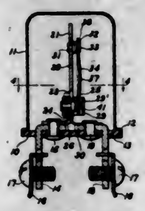
1. An electric system having, in combination, an electromagnetic-wave-guide horn having a small end and a large end, the large end being electromagnetically open to space to permit the horn to receive electromagnetic waves from space or to radiate electromagnetic waves out into space at the large end, absorbing or exciting antenna means disposed in the horn at the small end, the horn having guiding walls between the large end and the small end for guiding the waves received from space at the large end to the antenna means at the small end in order that the received waves may be absorbed by the antenna means or for guiding to the large end for radiation out into space the waves excited by the antenna means at the small end, coaxial-line means for connecting the antenna means with means for evidencing the received waves absorbed by the antenna means or with means for energizing the antenna means to excite at the small end the waves to be radiated out into space, the coaxial-line means having a substantially centrally disposed conductor connected to the antenna means and an outer tubular conductor connected to the horn, and means for connecting the antenna means to the outer tubular conductor.

2,425,717

THERMOSTATIC SWITCH ASSEMBLY

Frank Robert Bean, Rochester, N. Y., assignor to F. A. Smith Manufacturing Company, Rochester, N. Y.

Application June 25, 1942, Serial No. 448,409
17 Claims. (Cl. 200—138)



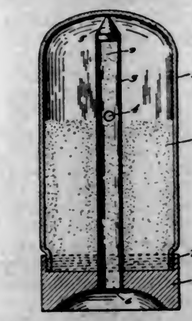
1. A thermostatic switch assembly comprising a support member, a contact, and a snap acting switch member composed of bimetallic sheet material having converging sides, provided with a longitudinal slot having substantially parallel sides, and having a current carrying portion progressively increasing in cross-section toward the wider end of said switch member.

2,425,718

SUGAR DISPENSER

Stanley J. Beebe, Norfolk, Va.

Application February 7, 1945, Serial No. 576,634
1 Claim. (Cl. 222—456)



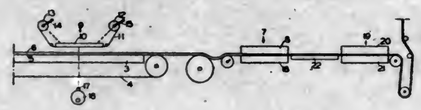
A sugar dispenser comprising a transparent container having an open lower end, a base removably attached to said lower open end of the transparent container, a tube affixed to the base and discharging sugar through the base, said tube extending substantially the length of the container, the tube having opposite apertures in the sides of the tube spaced a sufficient distance from the upper end of the tube to permit a predetermined amount of sugar to flow into the tube when inverted to fill it from its upper end to the apertures, the tube having a pointed tip to permit of its convenient insertion through the sugar in the container when refilling the container, the diameter of the tip not exceeding that of the tube, the sugar in the tube being dispensed by again returning the container to its original position with the open end of the tube down to discharge sugar.

2,425,719

MANUFACTURE OF LINOLEUM

John L. Berger, Columbia, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application September 19, 1942, Serial No. 458,947
9 Claims. (Cl. 154—26)



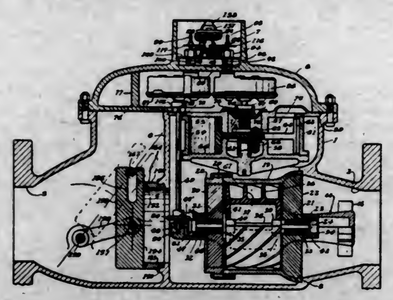
1. In the manufacture of molded inlaid linoleum and the like, the steps of bringing a flat surface carrying a lubricant into engagement with a loose mass of granulated composition to transfer a film of said lubricant to the upper surface only of the mass of the composition, said lubricant being applied prior to initial heat consolidation, moving said composition to an initial consolidation station and there applying heat and pressure to said composition with the lubricated surface of said granules in direct contact with the pressing surface.

2,425,720

COMPOUND METER

Charles P. Bergman, Brooklyn, N. Y., assignor to Rockwell Manufacturing Company, a corporation of Pennsylvania

Application November 4, 1943, Serial No. 508,888
14 Claims. (Cl. 73—197)



2. In a fluid meter, a housing having a passageway for flow of fluid and inlet and outlet connections, an impeller for measuring large flows mounted in said passageway, a valve seat surrounding said passageway, and a valve member adapted to cooperate with said seat to close said passageway, means providing a sliding pivotal support for the valve member, pivoted means for guiding the valve member about said latter means, a bypass around said valve member, a small flow positive displacement meter in said bypass, a register, and an overrunning one way drive connecting said register with said displacement meter and said impeller.

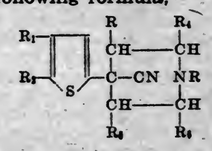
2,425,721

THIOPHENE COMPOUNDS AND METHODS OF OBTAINING THE SAME

Frederick F. Blicke, Ann Arbor, Mich., assignor to The Regents of the University of Michigan, Ann Arbor, Mich., a body corporate of Michigan

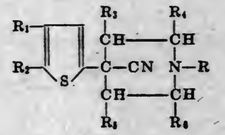
No Drawing. Application August 6, 1945, Serial No. 609,334
15 Claims. (Cl. 260—293)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the following formula,

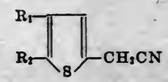


where R is a member of the class consisting of hydrogen and alkyl radicals of 1 to 6 carbon atoms, R_1 is a member of the class consisting of hydrogen and $-CH_3$, R_2 is a member of the class consisting of hydrogen, chlorine, bromine, iodine, and alkyl radicals of 1 to 6 carbon atoms and R_3, R_4, R_5, and R_6 represent members of the class consisting of hydrogen and alkyl radicals of 1 to 6 carbon atoms.

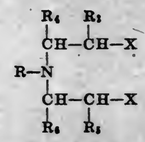
10. Process for preparing a compound having the formula,



which comprises condensing a compound having the formula,



with a [di-(β-halogenalkyl)] amine of the formula



in an inert organic solvent in the presence of an alkaline condensing agent, when R is a member of the class consisting of hydrogen and alkyl radicals of 1 to 6 carbon atoms, R_1 is a member of the class consisting of hydrogen, and $-CH_3$, R_2 is a member of the class consisting of hydrogen, chlorine, bromine, iodine and alkyl radicals of 1 to 6 carbon atoms, R_3, R_4, R_5 and R_6 represent members of the class consisting of hydrogen and alkyl radicals of 1 to 6 carbon atoms and X represents a halogen atom selected from the class consisting of chlorine and bromine.

2,425,722

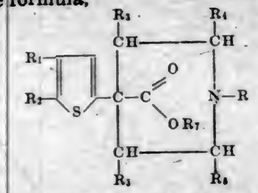
THIOPHENE COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Frederick F. Blicke, Ann Arbor, Mich., assignor to The Regents of the University of Michigan, Ann Arbor, Mich., a body corporate of Michigan

No Drawing. Application August 6, 1945, Serial No. 609,335
17 Claims. (Cl. 260—293)

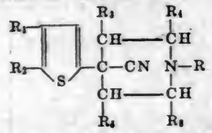
1. Compounds of the class consisting of a free

base and its acid addition salts, said free base having the formula,

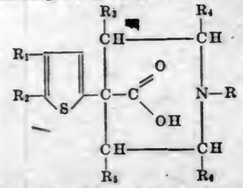


where R_1 represents a member of the class consisting of hydrogen and —CH_3, R_2 represents a member of the class consisting of hydrogen, chlorine, bromine, iodine and lower alkyl radicals, R_3, R_4, R_5 and R_6 represent members of the class consisting of hydrogen and lower alkyl radicals, R_7 represents a member of the class consisting of hydrogen, lower alkyl and phenyl substituted lower alkyl radicals and R represents a member of the class consisting of hydrogen and lower alkyl radicals.

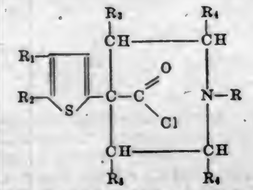
13. Process which comprises hydrolyzing a thiophenic nitrile of the formula,



thereby obtaining a carboxylic acid of the formula,



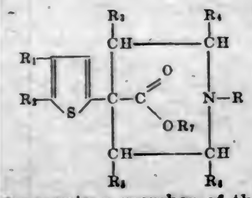
treating said acid with a chlorinating agent capable of converting organic carboxylic acids to the corresponding acyl chlorides thereby obtaining the hydrochloride of an acyl chloride of the formula,



treating said acyl chloride hydrochloride with an alcohol of the formula,

$$R_7OH$$

and isolating an acid addition salt of the ester so formed, the free base of said ester having the formula,



where R_1 represents a member of the class consisting of hydrogen and —CH_3, R_2 represents a member of the class consisting of hydrogen, chlorine, bromine, iodine and lower alkyl radicals, R_3, R_4, R_5 and R_6 represent members of the class consisting of hydrogen and lower alkyl radicals, R_7 represents a member of the class consisting of lower alkyl and phenyl substituted lower alkyl radicals and R represents a member of the class consisting of hydrogen and lower alkyl radicals.

2,425,723

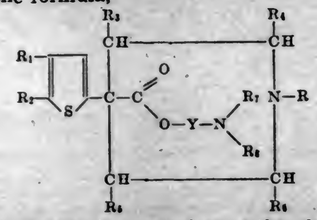
THIOPHENE COMPOUNDS AND METHODS FOR OBTAINING THE SAME

Frederick F. Blicke, Ann Arbor, Mich., assignor to The Regents of the University of Michigan, Ann Arbor, Mich., a body corporate of Michigan

No Drawing. Application August 6, 1945, Serial No. 609,336

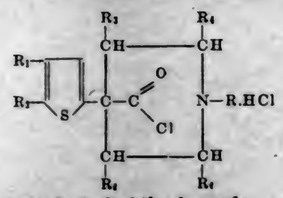
13 Claims. (Cl. 260—293)

1. Compounds of the class consisting of a free base and its acid addition salts, said free base having the formula,

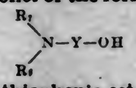


where R represents a member of the class consisting of hydrogen and lower alkyl radicals, R_1 represents a member of the class consisting of hydrogen and —CH_3, R_2 represents a member of the class consisting of hydrogen, chlorine, bromine, iodine, and lower alkyl radicals, R_3, R_4, R_5, and R_6 represent members of the class consisting of hydrogen and lower alkyl radicals, Y represents a saturated divalent hydrocarbon radical of 2 to 6 carbon atoms, R_7 and R_8 represent members of the class consisting of lower alkyl radicals independently bonded to the N and lower alkylene radicals cyclically bonded to the N to form a saturated heterocyclic ring system.

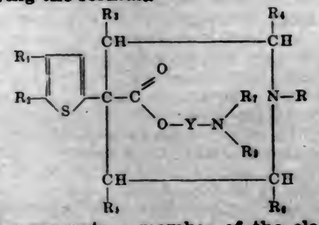
9. Process which comprises treating the hydrochloride salt of a thiophenic acyl chloride of the formula,



with an amino alcohol of the formula



and isolating the thiophenic ester so formed, said ester having the formula



where R represents a member of the class consisting of hydrogen and lower alkyl radicals, R_1 represents a member of the class consisting of hydrogen and —CH_3, R_2 represents a member of the class consisting of hydrogen, chlorine, bromine, iodine and lower alkyl radicals, R_3, R_4, R_5 and R_6 represent members of the class consisting of hydrogen and lower alkyl radicals, Y represents a saturated divalent hydrocarbon radical of 2 to 6 carbon atoms, R_7 and R_8 represent members of the class consisting of lower alkyl radicals independently bonded to the N and lower alkylene radicals cyclically bonded to the N to form a saturated heterocyclic ring system.

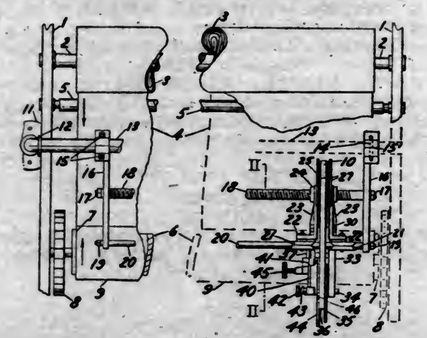
2,425,724

MEASURING TAPE FEED

Andrew J. Bohnengel, Toledo, Ohio; August M. Streicher as executor and Harriet Bell Bohnengel as executrix of said Andrew J. Bohnengel, deceased, assignors to Harriet B. Bohnengel

Application September 13, 1944, Serial No. 553,933

1 Claim. (Cl. 242—55)



A feeder for a narrow strip of material into a wider web of material being wrapped to form a bolt, said feeder comprising a strip supply holder, a traction wheel for receiving strip from the holder and delivering the strip in the direction of the length of the strip, a traverse effecting mounting for the holder and wheel for sidewise shifting of the strip during its lengthwise delivery, and a speed reduction transmission from the wheel to the mounting actuable from pulling by the web on the strip being delivered to the web between successive wraps thereof, said transmission being connected to move the holder and wheel, in controlling the delivery of the strip, sidewise across the web during the winding of the web into a bolt.

2,425,725

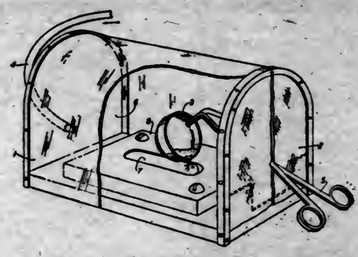
METHOD OF CASTING AND RAPID ANALYSIS OF ALLOYS

George M. Bouton, Madison, and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1941, Serial No. 408,314

4 Claims. (Cl. 22—214)

4. In the method of manufacturing a product comprising a lead-calcium alloy in which the ratio of calcium to lead is maintained at a substantially constant value, the steps of taking successive samples of the molten alloy as it is produced and before it is used to make said product, casting said samples under a fixed and constant artificial atmosphere of known water vapor and carbon dioxide content, and changing the relative amount of one of the metallic constituents of the alloy when the surface characteristics of



a cast sample differ from the surface characteristics of the alloy of said constant ratio cast under the same atmosphere.

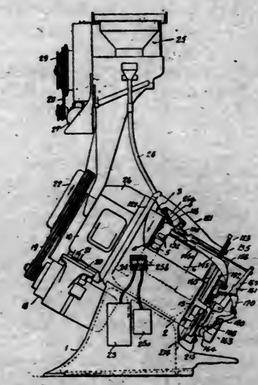
2,425,726

CONTINUOUS OPERATION MULTISPINDLE MACHINE

Earl C. Bunnell, Stratford, Conn., assignor to The Baird Machine Company, Stratford, Conn., a corporation of Connecticut

Application April 29, 1942, Serial No. 440,985

51 Claims. (Cl. 29—38)



1. In a machine of the character described, a rotatable turret, a plurality of work carrying spindles mounted in the turret, tools for performing work on work pieces carried by the spindles, means for feeding work pieces to the spindles and removing them therefrom while the turret is rotating, and means mounting the feeding and removing means so that they move with the turret in alignment with a spindle during the feeding and removing operations respectively.

2,425,727

HAM PRESS

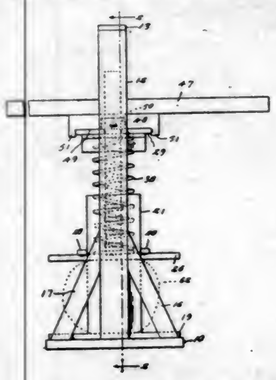
Clarence Butz, Muscatine, Iowa

Application September 19, 1944, Serial No. 554,804

4 Claims. (Cl. 100—57)

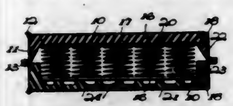
1. A ham press comprising a frame including a base, uprights arising from said base, guides carried by said uprights, a lower plate seated on said base, a pair of uprights fixed to said plate and formed with complementary keepers, an upper plate slidably engaging said guides and formed with openings through which said second uprights are adapted to pass, spring-pressed bolts carried by said upper plate engageable with selected keepers an intermediate plate slidable

between said second uprights, a spring interposed between said upper and intermediate plates, and means for moving said upper plate downwardly



to thereby tension said spring and place said intermediate plate under predetermined pressure for pressing a ham disposed between said intermediate and lower plates.

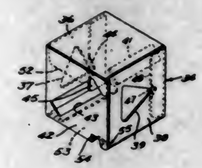
2,425,728
MATTRESS
Thomas S. Cobb, Fort Lauderdale, Fla.
Application September 8, 1944, Serial No. 553,242
3 Claims. (Cl. 5—351)



3. In a mattress, the combination of an inner spring unit, soft rubber caps fitting over said unit at opposite sides thereof to enclose said unit and each provided with side and end walls aligning with the side and end walls of the other of said caps and having their free edges closely confronting each other in registering relation around the unit substantially midway of the thickness thereof, an outer cover enclosing the caps and said unit and provided with side and end walls, and tie sheets extending between the unit and said caps at opposite sides of said unit to emerge between the free edges of the side and end walls of the caps and secured to the side and end walls of said cover on a line registering with said edges, the tie sheets being adapted when sagged by weight on the mattress medially thereof to flex the side and end walls of the cover inwardly and curl the free edge margins of the side and end walls of each cap inwardly away from the free edges of the side and end walls of the other of said caps out of register therewith to afford ventilation interiorly of the mattress.

2,425,729
TOY BLOCK
William N. de Sherbinin, Mount Kisco, N. Y.
Application August 15, 1942, Serial No. 454,903
11 Claims. (Cl. 46—25)

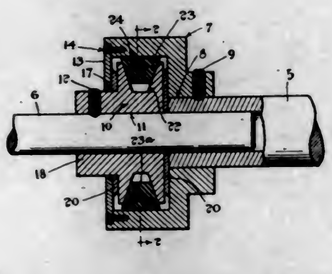
1. A toy building block having a plurality of plane intersecting faces free of projections and having a rectilinear cut-out portion in an edge portion thereof shaped and positioned substantially to fit and to receive therein an edge portion of another block of similar configuration so that the other block may be supported in balanced position solely on the block in edge to edge relationship.



2,425,730
THYMOXY-ACETAMIDINES
Carl Djerassi, Chatham, and Caesar R. Scholz, Summit, N. J., assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application September 9, 1946, Serial No. 695,812
3 Claims. (Cl. 260—564)

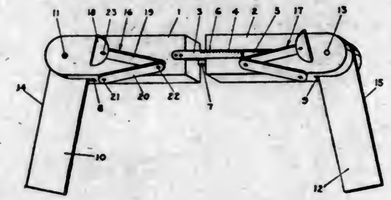
1. A compound selected from the group consisting of N-dimethyl thymoxy-acetamidine, N-diethyl thymoxy-acetamidine, and salts thereof.

2,425,731
CLUTCH
John M. Dodwell, Shawbridge, Quebec, Canada
Application October 5, 1942, Serial No. 460,904
13 Claims. (Cl. 192—41)



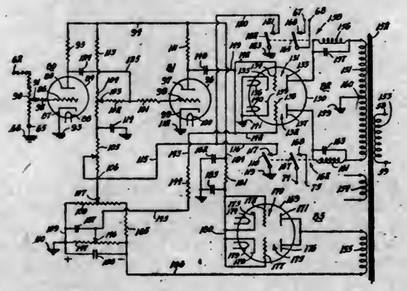
1. An over-running clutch comprising a pair of relatively rotatable members and means functioning automatically, in response to predetermined relative rotation of said members, to clutch said members together in such manner that the member which is functioning as the driven member is permited to over-run the member which is functioning as the driving member when the speed of rotation of the driven member exceeds or tends to exceed that of the driving member, said means comprising a band extending around a cylindrical surface portion of one member in relatively light frictional engagement therewith, the ends of the band being spaced apart, means anchoring both ends of the band to the remaining member and functioning, in response to the aforesaid relative rotation of the members, to draw the ends of the band toward each other to thereby increase the friction between the band and said cylindrical surface and adjustable means for limiting the extent to which the ends of the band are drawn together by the last mentioned means.

2,425,732
BEVEL DEVICE
Howard Galbraith, Vallejo, Calif.
Application August 8, 1945, Serial No. 609,700
2 Claims. (Cl. 33—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



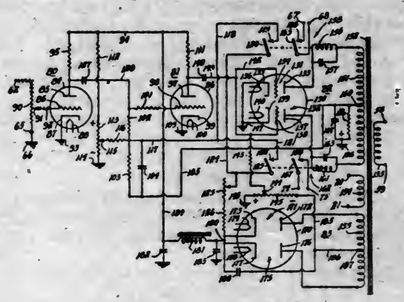
2. In a bevel device, a pair of body members connected for slidable elongation movement relative to each other, a first pair of bevel arms pivotally connected with said body members for substantially co-planar movement, a second pair of bevel arms pivotally connected with said body members for substantially co-planar movement about axes parallel to the intersection of the plane of movement of said first pair of bevel arms with a plane normal to the direction of elongation movement of said body members, each of said second pair of bevel arms including an inner link pivoted adjacent one end directly to a body member, an outer link pivoted to said inner link adjacent the other end thereof, and a straight edge member pivoted to the outer link.

2,425,733
ELECTRONIC CONTROL APPARATUS FOR POSITIONED DEVICE
Willis H. Gille, St. Paul, and William J. Field and Albert P. Upton, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 18, 1942, Serial No. 466,008
27 Claims. (Cl. 74—388)



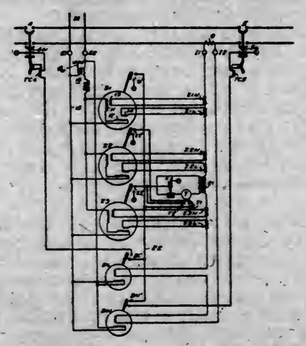
1. Control apparatus, comprising in combination, means for producing an electrical signal potential, a relay, amplifier means normally responsive to said potential for energizing said relay in accordance therewith, and means including a circuit controlled by said relay for rendering said amplifier means unresponsive to said potential when said relay is energized, thereby causing intermittent operation of said relay.

2,425,734
ELECTRONIC AMPLIFIER CONTROLLED RELAY
Willis H. Gille, St. Paul, and William J. Field and Theodore J. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 18, 1942, Serial No. 466,009
7 Claims. (Cl. 175—335)



1. Control apparatus, comprising in combination, relay means including an electrical winding and control means operated thereby upon the occurrence of a current flow through said winding in excess of a predetermined value, electronic amplifier means responsive to an alternating electrical signal potential of variable magnitude for controlling the current flow through said winding, means including a feedback circuit associated with said amplifier means to increase the sensitivity thereof in accordance with the magnitude of the current flow through said winding, and means effective upon operation of said control means by said winding to decrease the sensitivity of said amplifier means by an amount greater than the increase produced by said sensitivity-increasing means, and thereby to cause intermittent energization of said winding.

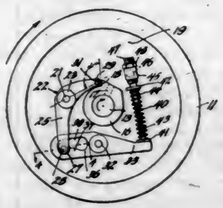
2,425,735
IMPEDANCE TYPE DISTANCE RELAY
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 29, 1945, Serial No. 585,523
2 Claims. (Cl. 175—294)



1. Protective relaying equipment particularly adapted for a substation having only one incom-

ing line and one outgoing line, with substantially no feedback from the station-connected apparatus to a line-fault, said incoming and outgoing lines being of different impedances, said protective relaying equipment comprising a line-condition-responsive modified-impedance relay having its response-circle displaced so that said relay has the proper distance-reach for faults in the two opposite directions, in combination with line-condition-responsive directional relaying-means for providing two separate directional responses for the respective directions, means for performing a relaying function for one of said lines in joint response to said modified-impedance relay and one of said directional responses, and means for performing a relaying function for the other line in joint response to the same modified-impedance relay and the other directional response.

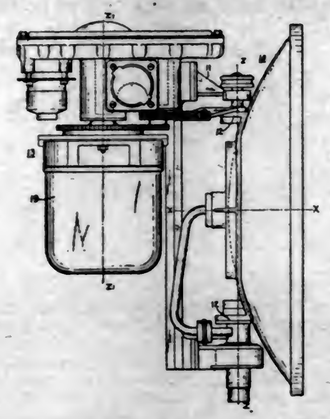
2,425,736
OVERLOAD RELEASE MECHANISM
Cortice H. Hall, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application May 17, 1945, Serial No. 594,323
9 Claims. (Cl. 192—56)



1. In an overload release mechanism, a drive member and a driven member adapted to be rotated together, one of said members having a radial thrust face, a drive arm pivoted on the other of said members having a roller adapted to bear on said face, and a resiliently biased rocker bar pivoted on said other member formed with spaced recesses, and another roller on said drive arm adapted to seat in either of said recesses.

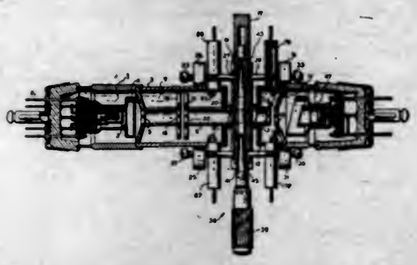
2,425,737
GYROSCOPE CONTROLLED ANTENNA STABILIZER
Clinton R. Hanna, Pittsburgh, and Lawrence B. Lynn, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1944, Serial No. 536,738
11 Claims. (Cl. 172—239)

1. In combination, a supporting body mounted for movement about a train axis and provided with a casing structure; a member having a directing axis; a gyro supporting structure; means for pivotally supporting the member and the gyro supporting structure from said body about parallel axes with the pivot axis for the member at right angles to the directing axis of the latter; parallel-motion mechanism between the member and the gyro supporting structure and including a train of connecting gearing; a motor carried by the casing structure; a reduction gear train within the casing structure and connecting the motor to a gear element of the first train; a pendulous gyro carried by the gyro supporting structure and having its inner gimbal axis arranged at right angles to the spin axis and to its outer gimbal axis with the latter coincident with the gyro supporting structure pivot axis and cooperating with the spin axis to define a vertical reference plane; and means controlling said motor in response to angular deviations of the gyro supporting structure with respect to the reference



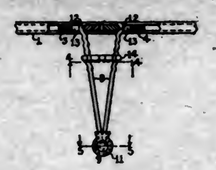
plane provided by the gyro to drive the parallel-connected supporting structure and member to maintain said member positioned with its directing axis in predetermined angular relation with respect to the reference plane.

2,425,738
TUNABLE HIGH-FREQUENCY ELECTRON TUBE STRUCTURE
William W. Hansen, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 23, 1941, Serial No. 416,170
8 Claims. (Cl. 315—6)



1. A frequency multiplier apparatus comprising a source of electrons, means adjacent said source for forming said electrons into a beam, means along the path of said beam and including a cavity resonator tuned to a predetermined frequency for varying the velocity of electrons in said beam, a drift tube surrounding said path for permitting said electrons to bunch, a second cavity resonator along said path and tuned to a harmonic of said predetermined frequency and adapted to extract energy from said bunched beam, said resonators including means resiliently mounting the same from said drift tube, and means coupled to said resonators for simultaneously tuning said resonators and for maintaining their tuned harmonic relationship over a range of frequencies.

2,425,739
MONORAIL TRACK SUPPORT
George C. Henderson, Detroit, Mich.
Application September 25, 1944, Serial No. 555,656
4 Claims. (Cl. 104—93)

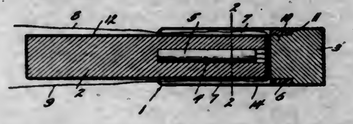


1. In a monorail track system, the combination with a track comprising two sections in a substantial end to end relation, of a support for the track comprising a pair of jaws mounting the track on said support, said jaws respectively engaging the respective track sections, and means for imposing a clamping force on the jaws urging them and the track sections toward each other.

2,425,740
REDUCTION OF SULPHATES
Knud Horn, New York, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 28, 1943, Serial No. 496,479
9 Claims. (Cl. 23—186)

1. A method of decomposing calcium sulphate substantially free of sulphide to produce a solid residue substantially free from sulphur, which comprises preparing a mixture of calcium sulphate and a member of the class consisting of sulphides readily decomposable by heat and elemental sulphur, the amount of the sulphides or elemental sulphur in the mixture being substantially less than the amount required as determined by calculation from the equation for the reaction in which the calcium sulphate is reduced to lime, the total sulphur present is oxidized to SO_2, and any metal present as a constituent of a sulphide is oxidized, and heating the mixture in the presence of air at a temperature from about 2400° F. to about 2600° F.

2,425,741
SAFETY PRIMER FOR BLASTING
Hiram B. Humphrey, Washington, D. C.
Application April 23, 1945, Serial No. 589,835
1 Claim. (Cl. 102—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



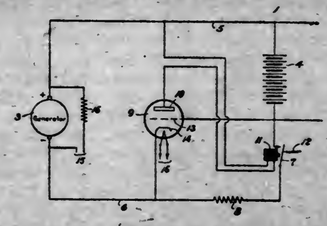
A safety primer for blasting which includes two sections of molded explosive in abutment with each other, the end of one section which is in abutment with the other having a centrally positioned chamber to receive a detonator, the other abutting section having a portion thereof reduced in diameter, a protective shell of readily frangible incombustible material mounted on the reduced portion of the last mentioned section and against the shoulder thereon and adapted to be passed over the abutting end portion of the other section of molded explosive so as to encompass its said detonator chamber and detonator therein, the said protective shell of readily frangible material being provided with longitudinal slots to receive wires leading to the detonator, the whole arranged whereby the said protective shell of readily frangible material is sufficiently stable to hold the two abutting sections of molded explosive in proper assembled position during handling and insertion of the primer in a bore hole but upon application of firm tamping pressure exerted on the primer will split and be expanded against the wall of the bore hole to close the bore hole and retain the primer explosive and its detonator in proper position thereon.

2,425,742
ELECTROSENSITIVE RECORDING BLANK
Bernard L. Kline, Manhasset, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application July 29, 1942, Serial No. 452,689
9 Claims. (Cl. 204—2)



1. An electrosensitive recording blank comprising a sheet having in intimate contact therewith, over the recording surface of the blank, a coating of a recording medium for producing marking effects in selectable elemental areas of said recording surface upon application of an electrical signaling potential to said areas, said recording medium comprising a sulphur-containing organic chemical compound of a metal in an amount sufficient to produce said marking effects, which compound is substantially insoluble in water and has the property of being convertible by partial decomposition to a sulphide of the metal upon application of an electrical potential to said compound, thereby to form a colored mark contrasting with the background of the recording surface of the blank.

2,425,743
ELECTRONIC CONTROL FOR CHARGING CIRCUITS
Milton A. Knight, Arlington, Va., and John A. Taylor, Washington, D. C.
Application June 12, 1944, Serial No. 539,948
3 Claims. (Cl. 320—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system to control the charging of a battery from a direct current generator, comprising a vacuum tube having an anode, a cathode, and a control grid, means connecting the positive terminal of the generator to the positive terminal

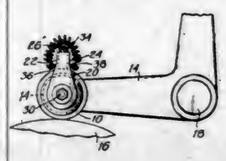
of the battery, means continuously connecting the grid to the negative terminal of the battery, means including a resistor and a circuit breaking and closing member connected in series between the negative terminal of the battery and the cathode, said member being biased to open the circuit, a conductive connection between the negative terminal of the generator and the cathode, a connection between the positive terminal of the generator and the anode including a device energizable to actuate the member to and hold it in circuit closing position while the current through the tube is not less than that required to move said member to close the circuit, and current conductive means connected to the generator to heat the cathode.

2,425,744

CAM AND ROLLER LUBRICATING MEANS FOR WARP KNITTING MACHINES

Fritz Lambach, Tenafly, N. J.

Application December 29, 1944, Serial No. 570,251
11 Claims. (Cl. 66—82)



1. In a warp knitting machine, the combination of: a movable cam roller lever, cam means including cooperating cam elements, one of said cam elements being formed by a rotatable cam, the other cam element being formed by a cam roller rotatably mounted on said cam roller lever, a pad of a material capable of being impregnated with a lubricant, a holder arranged for carrying said pad, said pad being detachably mounted on said holder, and displaceable resilient means arranged on said holder for urging said pad into contact with the working surface of one of said cam elements, said material being capable of retaining the lubricant over a period of time and of giving off a certain amount of the lubricant onto said working surface of the cam element for lubricating same.

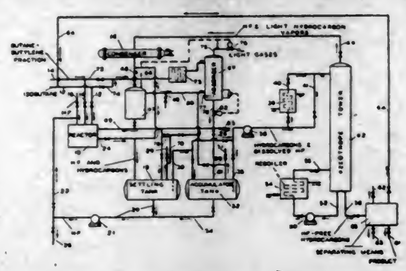
2,425,745

RECOVERY OF HYDROGEN FLUORIDE FROM GASES

Ancel B. Leonard and George R. Hettick, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Application June 10, 1944, Serial No. 539,726
10 Claims. (Cl. 260—683.4)

1. In a continuous process for the alkylation of a low-boiling isoparaffin by reaction with a low-boiling olefin in the presence of a hydrofluoric acid catalyst, the improvement which comprises passing a low-boiling isoparaffin and a low-boiling olefin and a hydrofluoric acid alkylation catalyst to an alkylation zone, maintaining contents of said zone under alkylation reaction conditions, passing effluents of said alkylation zone to separating means and therein separating a liquid hydrocarbon phase from a liquid hydrofluoric acid phase, passing said hydrocarbon phase to a fractional distillation and removing therefrom as a low-boiling product a minor fraction comprising substantially all the hydrogen fluoride dissolved in said hydrocarbon phase and some of the low-boiling paraffins contained therein, removing also therefrom a high-boiling product comprising a major part of said hydrocarbon phase substantially free from hydrogen fluoride, cooling and condensing said minor fraction and passing same to an accumulator, passing resulting condensate from said accumulator into said alkylation zone, removing from said accumulator a gaseous fraction comprising undesired low-boiling hydrocarbons and hydrogen fluoride, passing said gaseous fraction to an absorber, passing to said absorber as an absorption liquid a liquid low-boiling olefin-containing hydrocarbon material and containing same therein with said gaseous fraction, discharging unabsorbed gases, and passing the resulting rich absorption liquid from said absorber to said alkylation zone.

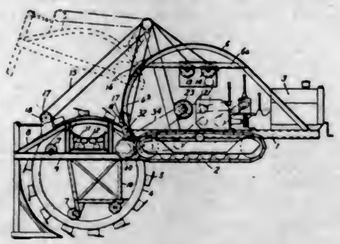


2,425,746

DITCHING MACHINE

Erich H. Lichtenberg, Milwaukee, Wis., assignor to The Parsons Company, Newton, Iowa, a corporation

Application July 25, 1945, Serial No. 606,936
4 Claims. (Cl. 37—97)



1. In a ditching machine of the digging wheel type, in combination, a portable support comprising a base frame, a main frame thereon comprising spaced side frame members extending in a general vertical direction from the base frame, a digging member disposed at one end of the base frame, a supporting frame for said member, means for raising and lowering the said supporting frame, guide means movable along the side frame members of the main frame and connected with the supporting frame for the digging member, a motor on the base frame, and driving connections between the motor and the digging member aforesaid, said guide means comprising guide shoes movable along the side frame members at the ends thereof adjacent to the digging member supporting frame and interlocked with the said side frame members, the driving connections between the motor and digging member comprising driving gears for the digging member mounted on said shoes.

2,425,747

LUBRICATING OIL COMPOSITION

Eugene Lieber, Staten Island, and Marvin E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 6, 1940, Serial No. 344,232
7 Claims. (Cl. 252—59)

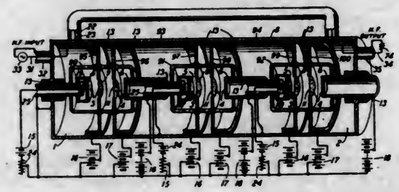
1. A lubricating composition comprising a major proportion of a lubricating oil base stock and a small amount of a condensation product of an aliphatic mono-hydroxy alcohol having less than 7 carbon atoms and an aromatic compound having less than 4 aromatic nuclei, said condensation product being substantially non-volatile at about 600° F. under reduced pressure and having the property of depressing the pour point of waxy mineral lubricating oils when added thereto in small amounts.

2,425,748

ELECTRON DISCHARGE DEVICE

Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 11, 1941, Serial No. 382,683
24 Claims. (Cl. 179—171)



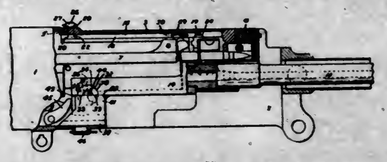
6. A high frequency device comprising an electron discharge tube containing an electron emitting cathode, an anode, a space charge control electrode therebetween adjacent to the cathode and an output electrode adjacent to the anode between the anode and the space charge control electrode, electrical potential means for causing a flow of electrons over a path from the cathode to the anode including the control electrode and the output electrode, a substantially closed electrical resonant system attached to the cathode and the space charge control electrode to include the space between the cathode and the control electrode, means for energizing at high frequency the said resonant system whereby variations are impressed upon the electron stream, a second substantially closed electrical resonant system attached to the said output electrode and the anode to include the space between the output electrode and the anode whereby high frequency energy may be generated in the said second resonant system by the passage of electrons between the output electrode and the anode, the said closed resonant systems being joined to their respective electrodes so as to include the necessary openings to permit the passage of electrons through the inter-electrode spaces while maintaining substantially closed electrical boundaries for the resonant frequency except for coupling means for high frequency excitation and output energies, and a feedback circuit connecting the two closed resonant systems whereby high frequency energy may be introduced into the first-mentioned system from the second-mentioned system, the said electrical potential means and the spacing of the electrodes being such that the electron transit time between the cathode and the space charge control electrode is a period between that of any whole number of cycles of the energizing high frequency and the period of that number increased by one-half cycle and the electron transit time between the said output electrode and the anode is less than the period of one cycle of the high frequency.

2,425,749

BOLT LOCK FOR MACHINE GUNS

John L. Lochhead, Springfield, Mass., assignor to the United States of America, as represented by the Secretary of War

Application October 30, 1942, Serial No. 463,880
4 Claims. (Cl. 89—188)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine gun having a receiver and a recoiling barrel, a barrel extension and a bolt reciprocable on the barrel extension; a locking assembly comprising a cylindrical lock body rotatably supported transversely in the barrel extension, a longitudinal projection on each end of said body having wiper parts located at opposite sides of the axis of the lock body, a fixed cam engaging said wiper parts and operative under movement of the barrel extension to engage the wiper parts and rotate said cylindrical body, a central transverse notch being formed in said bolt and a recess formed in the side of the bolt extended from the notch rearwardly and above the notch, the forward walls of said notch and recess being coincident and shaped to form a locking surface, an extension on said body to extend above said notch to engage in said recess, the rear wall of said recess arranged to engage said extension as the bolt approaches battery position, whereby the engagement of said extension with said recess wall will prevent the bolt going ahead of the keyed position of the bolt relative to the barrel extension, said cylindrical body having a lock part to engage and fill said notch and being rotatable by engagement of said cam against said wiper parts to engage said locking surfaces of the bolt and lock body and engagement of said lock part in said notch at the normal locked positions of the bolt and barrel extension.

2,425,750

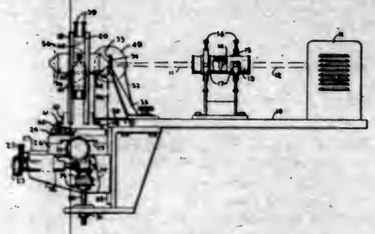
OPTICAL ALIGNER

John O. McCarty, United States Navy

Application June 14, 1945, Serial No. 599,496
5 Claims. (Cl. 51—277)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A device for aligning a crystal with a carrier element, comprising a light-beam source producing a light beam fixed in angular relation to the carrier element, a crystal holder holding the crystal on the carrier with two adjacent faces of the crystal intercepting the beam to split the latter into two reflected beams extending in different directions, a pair of target elements providing target-spot areas placed in positions each to receive one of the two reflected beams when the crystal is in a predetermined alignment with the beam, and means for clamping the crystal in

the holder in various angular positions within a range of adjustment to permit the crystal to be



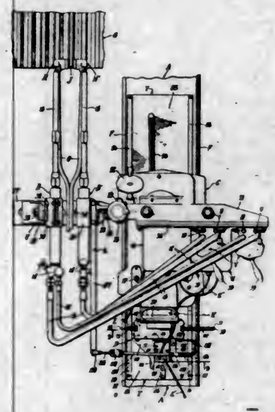
moved into and clamped in a position to bring the reflected beams onto their respective target elements.

2,425,751

METHOD OF AND APPARATUS FOR FLAME HARDENING GEAR TEETH

Frank McGuire, Jr., Bogota, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application June 29, 1940, Serial No. 343,063
26 Claims. (Cl. 148—13)



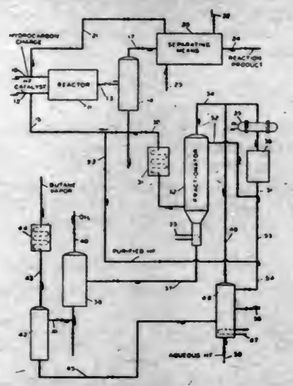
26. Method of hardening the oppositely disposed surfaces of a tapered gear tooth which comprises positioning a blowpipe head in operative relation with respect to each of said surfaces, each of said blowpipe heads being adapted to direct a plurality of high temperature heating flames against a portion of one of said surfaces extending from a point adjacent the bottom of said tooth to a point adjacent the top of the tooth, effecting a relative movement between said heads and said tooth along paths extending from the small to the large end thereof, turning on the gases to said blowpipe heads automatically in response to arrival of said blowpipes at a starting point in their paths of relative movement, decreasing the speed of said relative movement automatically in response to progress of said blowpipes along their paths of relative movement, the relative movement of one of said heads being along a positively fixed path which diverges from the side of the tooth, and the relative movement of the other of said heads including a transverse component away from the first head, whereby the height of the effective area heated by said flames progressively increases as the speed decreases toward the larger end of the tooth, and the increased spacing permits the slower operating speed without melting the surface under treatment, thus obtaining a soaking heat and greater case penetration and spread.

2,425,752

SEPARATION OF HYDROGEN FLUORIDE FROM WATER AND ORGANIC CONTAMINANTS BY DISTILLATION AND DECANTATION

George E. McKenna and George R. Hettick, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Application September 15, 1944, Serial No. 554,307
5 Claims. (Cl. 202—40)



1. In a process for the conversion of hydrocarbons in the presence of a hydrofluoric acid catalyst, the improved process of recovering purified hydrogen fluoride from the used catalyst which comprises passing at least a portion of a used hydrofluoric acid catalyst from such a conversion process to a first distillation to recover substantially anhydrous hydrogen fluoride as an overhead product, cooling and condensing said overhead product, recovering as a high-boiling product of said first distillation an aqueous hydrofluoric acid containing hydrogen fluoride in an amount in excess of that found in an aqueous azeotropic mixture together with organic impurities, passing said high-boiling product to a separator, separating said organic impurities from said aqueous hydrofluoric acid, subjecting said aqueous hydrofluoric acid to a second fractional distillation to recover substantially anhydrous hydrogen fluoride as an overhead product, combining this last said overhead product with said overhead product from the first said distillation prior to said condensation, returning a portion of the resulting condensate to said first distillation as reflux, and recovering a further portion of said condensate as purified hydrogen fluoride.

2,425,753

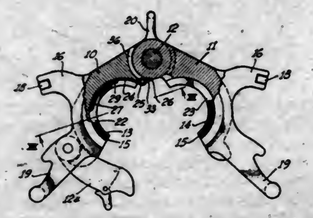
ELEVATOR DEVICE

Gird E. Mullinix, San Marino, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware

Original application December 9, 1941, Serial No. 422,224. Divided and this application July 14, 1944, Serial No. 544,998
2 Claims. (Cl. 294—90)

1. In a well pipe elevator, a pair of pipe-encircling members, means pivotally interconnecting said members for relative swinging move-

ment about a normally vertical axis into open and closed positions, means yieldably retaining said members in open position comprising a projection on one member having a cam surface thereon facing in the direction of closing movement of said one member, a spring-pressed detent mounted on the other member and yieldably urged by its spring into the path of movement of said projection, the parts being so con-



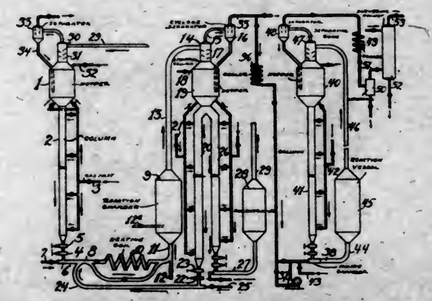
structed and arranged that when said members are in open position said detent is disposed adjacent the cam surface on said projection and yieldingly resists initial closing movement of said members, and an abutment on said other member limiting movement of said detent toward said one member, said abutment preventing contact between said detent and said one member, except when said projection engages said detent.

2,425,754

HYDROGEN PRODUCTION

Eger V. Murphree and Charles W. Tyson, Summit, Donald L. Campbell, Short Hills, and Homer Z. Martin, Elizabeth, N. J., assignors, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

Application January 8, 1941, Serial No. 373,536
1 Claim. (Cl. 23—210)



A process for the preparation of hydrogen which comprises supplying a finely divided catalyst containing a metal of the iron group and alumina to a column of substantial height, maintaining the catalyst in a mobile state in said column, passing a stream of said catalyst from the bottom of said column under a pressure at least equal to the hydraulic head of said column into a reaction zone maintained at a suitable temperature for said reaction and passing a mixture of a hydrocarbon gas and steam upwardly through said reaction zone at a velocity to maintain the catalyst in a turbulent state therein and to produce a suspension of said catalyst in said gas and steam, withdrawing catalyst and product gas comprising free hydrogen in substantial proportion and oxides of carbon from said reaction zone, cooling the product gas by injecting a relatively large amount of steam thereinto, mixing the cooled product gas and steam with an iron oxide catalyst in powder form, passing the resulting mixture into a second reaction zone to convert at least a portion of the carbon monoxide in the product gas to carbon dioxide, removing product gas from the second reaction zone and recovering hydrogen from the last mentioned product gas.

2,425,755

MIXTURES OF POLYOXYALKYLENE MONOHYDROXY COMPOUNDS AND METHODS OF MAKING SUCH MIXTURES

Frederick H. Roberts, Charleston, W. Va., and Harvey R. Fife, Mount Lebanon, Pa., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application June 1, 1944, Serial No. 538,340
18 Claims. (Cl. 260—615)

1. A mixture of monohydroxy oxyethylene oxy 1,2-propylene aliphatic monoethers in which ethylene oxide and 1,2-propylene oxide are combined therein as oxyethylene and oxy 1,2-propylene groups in a ratio which is at least one-third part of 1,2-propylene oxide for each part of ethylene oxide by weight, said mixture having an average molecular weight of at least 500 of which at least 300 is attributable to the oxyethylene and oxy 1,2-propylene groups, exclusive of the aliphatic monoether group, the aliphatic monoethers of said mixture containing in a single molecule both the oxyethylene group and the oxy 1,2-propylene group.

13. A method of making a mixture of monohydroxy oxyethylene oxy 1,2-propylene aliphatic monoethers which comprises adding a substantially aldehyde-free and water-free mixture of ethylene oxide and 1,2-propylene oxide to an aliphatic monohydroxy alcohol under substantially anhydrous conditions, in an amount which is at least six mols of said oxides per mol of alcohol, said oxides being present in said mixture in a ratio of at least one-third part of 1,2-propylene oxide for each part by weight of ethylene oxide and said mixture being added at such rate as to maintain a substantially uniform concentration of unreacted oxide in the reaction zone while maintaining the reaction mixture at a temperature of about 80° to 160° C. and at a pressure of about 5 to 50 p. s. i.

2,425,756

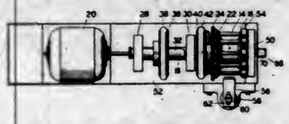
METHOD OF MAKING VARNISHES FROM POLYHYDRIC ALCOHOL MIXED ESTERS OF β-FURYLACRYLIC ACID AND AN ACIDIC NATURAL RESIN

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 6, 1946, Serial No. 688,701
7 Claims. (Cl. 260—23)

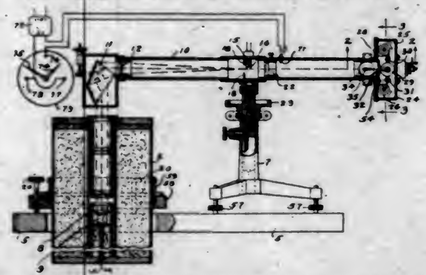
1. A method of making a varnish which comprises partially esterifying a polyhydric alcohol with an esterifiable β-furylacrylic acid compound, of the class which consists of the acid, the acid chloride, the acid anhydride, and esters with monohydric alcohols which are free of additional groups that are reactive with esterifiable groups contained in the reaction mixture, further esterifying the polyhydric alcohol with an acidic natural resin, heating the mixed ester with a natural fatty oil, and adding a varnish solvent.

2,425,757
ROTARY SPARK GAP
Irving Sager, Deal, and Edward Wiler, Belmar, N. J.
Application April 8, 1943, Serial No. 482,356
11 Claims. (Cl. 314—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



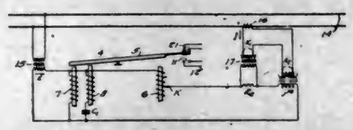
1. A rotary spark gap comprising a stationary electrode, a rotor, said rotor including a disk and a plurality of electrode rods spaced about the periphery of the disk, the sides of said rods acting as movable electrodes for cooperation with the stationary electrode, a motor to drive the rotor, and additional means to rotate the rods as they revolve with the rotor.

2,425,758
PHOTOGRAPHIC APPARATUS FOR RECORDING INTERFERENCE PHENOMENA
James B. Saunders, Alexandria, Va., assignor to the United States of America, as represented by the Secretary of Commerce
Application April 27, 1944, Serial No. 532,930
6 Claims. (Cl. 234—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



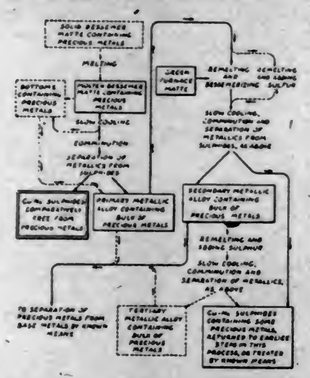
1. Apparatus for continuous interferometric measurement over a period of time, including a source of light having a bright-line spectral emission characteristic, a constant deviation prism of the Pellin and Broca type so positioned with respect to said source of light as to deflect light therefrom through an angle of approximately 90 degrees onto a plurality of reflecting surfaces held in a manner adapted for interferometric measurement of changes in the distance between them, means including said constant deviation prism and a lens system for deflecting the light from said reflecting surfaces through an angle of approximately 90 degrees and projecting an image of the interference pattern set up by the interference of reflection from said reflecting surfaces, the optical system comprising the prism and lens system being so arranged and constructed that images formed by light corresponding to different lines of the spectrum of said source of light are relatively displaced, a shield provided with a slit located approximately in the plane of one of said images with its long dimension generally transverse to the direction of relative displacement of said images, a photosensitive strip adapted to be exposed to a portion of one of said images through said slit, and means for continuously moving said photosensitive strip across said slit.

2,425,759
IMPEDANCE TYPE DISTANCE RELAY
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,884
5 Claims. (Cl. 175—294)



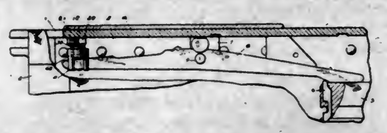
1. An adjustable distance-type relay comprising a differential relay, having an operating-coil flux-producing means, a restraint-coil flux-producing means, exciting-circuit means for exciting one of the flux-producing means in response to line-voltage alone, exciting-circuit means for exciting the other flux-producing means in response to both the line-voltage and the line-current, means for varying the ratio of the two voltage-responsive force-components, and means for varying the magnitude and the phase-angle of the current-response.

2,425,760
PROCESS FOR CONCENTRATING PLATINUM GROUP METALS AND GOLD
William Kelvin Sproule and George Alan Harcourt, Copper Cliff, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application June 28, 1945, Serial No. 602,168
In Canada February 28, 1945
10 Claims. (Cl. 75—83)



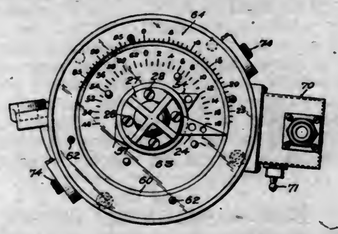
1. A process for concentrating precious metals in a mass consisting essentially of nickel, copper, precious metals and sulfur which comprises slowly cooling a molten mass consisting essentially of nickel, copper, precious metals and sufficient sulfur to combine with about 75% to about 95% of all the base metals present in said mass until substantially complete solidification occurs whereby a solidified mass comprising a mixture of about 5% to about 25% metallic grains and the balance essentially sulfide grains is obtained; comminuting the solidified mass; separating metallic particles from the sulfides; fusing said metallic particles using a sufficient amount of green furnace matte so that after Bessemerizing the mass to remove iron about 80% to about 95% of the metallic particles will have been converted to sulfides; slowly cooling the Bessemerized molten mass to the state of substantially complete solidification; comminuting the solidified mass; and separating said solidified mass into metallic and sulfide fractions; precious metals being concentrated in said metallic fraction.

2,425,761
ADJUSTABLE TRIGGER STOP
Jack J. Staller, Winthrop, Mass.
Application January 7, 1946, Serial No. 639,681
6 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



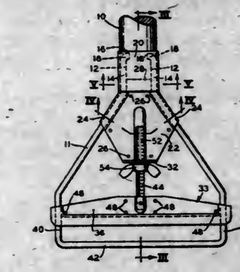
4. In a machine gun having a trigger bar pivotally movable in a vertical plane, a fixed stud-like trigger bar stop cooperating with said trigger bar to limit the movement thereof, the improvement comprising, a hollow threaded stud member arranged to surround the fixed trigger bar stop, means for securing said stud member to the machine gun in surrounding relation to the fixed trigger bar stop, a nut member mounted on said stud member and arranged to be engaged by the trigger bar to limit the movement thereof, and means for securing said nut member in any selected rotative position on said stud member.

2,425,762
AZIMUTH INDICATOR
Albert Rivington Stone, Annesile, Md.
Application November 22, 1943, Serial No. 511,279
4 Claims. (Cl. 116—124)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An azimuth indicator to be driven by the traversing mechanism including turret drive gearing of a rotatable tank turret carrying a gun on a turret-supporting body for indicating traverse of the gun in accordance with a predetermined traverse angle comprising, in combination, driving members adapted to be connectedly driven by rotation of said turret through operation of said traversing mechanism, two sets of corresponding graduated indices, two pointers movable at different proportional speed ratios over said indices, frictionally operated means for operating said two pointers through operation of said driving members, said two pointers being thereby driven by said driving members, means for manually setting one or both of said two pointers with respect to said indices, and a third pointer fixed relatively to said turret drive gearing and positively driven by said driving members, said third pointer cooperating with said two pointers and movable over one of said indices, said third pointer at all times indicating angular relation of said gun to a fixed reference point of said turret-supporting body.

2,425,763
MOP CLAMPING DEVICE
Oscar C. Teigen, Jamaica Plain, Mass.
Application December 28, 1945, Serial No. 637,756
1 Claim. (Cl. 15—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

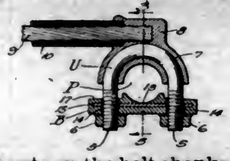


In a mop construction, a handle, a bail of substantially triangular shape formed of heavy gauge wire having a transverse bar and having straight parallel upper ends and an inturned projection extending from each of said ends, means for securing said handle to said bail comprising, channels on opposite sides of said handle adapted to receive said straight parallel ends of said bail, recesses at the ends of said grooves being adapted to receive said inturned projections of said bail, and a smooth cylindrical sleeve encircling said handle whereby said bail is rigidly socketed to said handle; two guide plates of irregular octagonal shape rigidly mounted on opposite sides of said bail, three sides of said octagonal plates defining a tongue, a transverse slot in said handle adapted to frictionally receive said tongue, a channel formed in the central body portion of said plates by complementary semi-circular rounds being struck outwardly; a cross-bar slidably mounted on said bail and engageable with said transverse bar thereof, a threaded stud connected to said cross-bar and extending into said channel, a flange at the lower end of said channel, a nut on said stud for adjustably moving said stud and cross-bar, said flange acting as a seat for said nut, said channel frictionally and slidably engaging said stud to maintain said cross-bar in any position to which it may be moved when out of engagement with said transverse bar of said bail.

2,425,764
BATTERY TERMINAL
William G. Tenney, Chicago, Ill.
Application October 1, 1945, Serial No. 619,570
1 Claim. (Cl. 173—259)

A battery terminal comprising a twin shank U-bolt, a curved lead casing surrounding the curved end of the U-bolt and provided exteriorly thereof with a head having an anchorage for one end of a cable, the curved casing between the shanks of the bolt providing a seat into which a battery post may be fitted, a bar extending across the U-bolt shanks and comprising a reinforcing core having openings receiving the shanks of the U-bolt and a casing of lead surrounding the core

and formed with a seat cooperating with the seat of the curved casing for engaging the battery post,



and a pair of nuts on the bolt shanks for advancing the bar against the battery post.

2,425,765

UNSATURATED ALKYL ESTERS OF ARYL PHOSPHONIC ACIDS

Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application October 29, 1945, Serial No. 625,459
4 Claims. (Cl. 260—461)

4. A new product, a beta, gamma unsaturated alkyl diester of an aryl phosphonic acid.

2,425,766

UNSATURATED ALKYL ESTERS OF ALKENYL PHOSPHONIC ACIDS

Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application October 29, 1945, Serial No. 625,460
4 Claims. (Cl. 260—461)

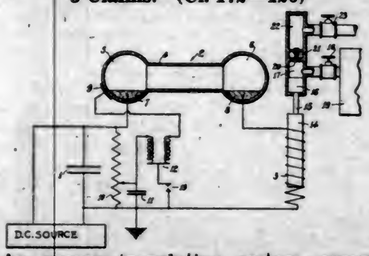
4. A new product, a beta, gamma unsaturated alkyl diester of an alpha, beta unsaturated alkenyl phosphonic acid.

2,425,767

APPARATUS FOR CONVERTING ELECTRICAL CONDENSER DISCHARGES INTO MECHANICAL POWER

Alfred Vang, New York, N. Y.

Application July 25, 1944, Serial No. 546,542
3 Claims. (Cl. 172—126)



1. An energy translating system, comprising means for storing electric power at a relatively low rate, including a condenser, means for changing said condenser at a predetermined rate, means for discharging said condenser intermittently and substantially instantaneously, means for varying the periodicity of the condenser discharge in relation to the rate of condenser charge, and means including a solenoid for converting the relatively rapid electric power pulse thus obtained into a corresponding mechanical high speed pulse, said periodicity varying means including a resistor bridged in its entirety across said condenser, a second and ancillary condenser, means for connecting said ancillary condenser across a selected portion of said resistor, and means connected to said ancillary condenser for causing a discharge of said first condenser when said ancillary condenser has been charged to a predetermined voltage.

2,425,768

DRILLING FLUIDS AND METHOD OF USE

Cary R. Wagner, Utica, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 12, 1944, Serial No. 549,299
12 Claims. (Cl. 252—8.5)

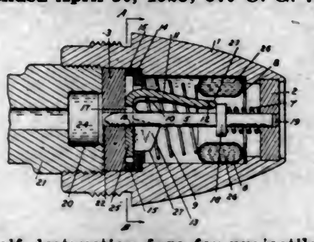
1. In a process of drilling wells comprising the steps of drilling the well with well drilling tools, and circulating through the well during said drilling a water base drilling mud which forms a filter cake on the wall of the well, the improvement comprising incorporating in said drilling mud a water soluble alkali metal carboxymethylcellulose in an amount sufficient to reduce the water loss due to filtration through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent that it cannot be circulated.

2,425,769

SELF-DESTRUCTION FUZE

Frank B. Wallace, Phoenix, Ariz.

Application September 14, 1944, Serial No. 554,140
3 Claims. (Cl. 102—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



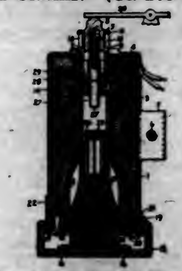
1. A self destruction fuze for projectiles, comprising a primer, a spring actuated firing pin to detonate said primer, a detent normally holding said firing pin retracted, a stop normally holding said detent in place, said stop capable of becoming flaccid upon absorption of a liquid, spring means between said firing pin and said detent for biasing the same away from said firing pin and against said stop, a liquid for making said stop flaccid whereby said spring means becomes operative to move said detent away from said firing pin to release the same for movement, a frangible container for said liquid, projecting means on said detent adapted to strike said frangible container on set back of same to break the same for releasing the liquid therein for contact with said stop.

2,425,770

ELECTROMAGNETIC DEVICE

Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application March 21, 1945, Serial No. 583,901
21 Claims. (Cl. 175—372)



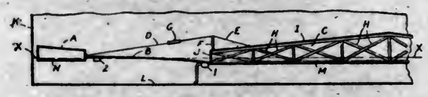
1. An electromagnetic device having an armature comprising a mass of relatively small magnetic elements, and means encompassing said elements so shaped as to restrict the movement thereof from the unattracted position to the attracted position upon energization of the device by current of a magnitude sufficient to initiate the movement of the elements, said encompassing means comprising a container having two portions of relatively large and small cross-sectional areas interconnected by a portion of varying cross-sectional area.

2,425,771

FLOATING ROOF FOR LIQUID STORAGE TANKS

John H. Wiggins, Chicago, Ill.

Application August 19, 1944, Serial No. 550,278
1 Claim. (Cl. 220—26)



A floating roof having a stiff outer pontoon, a stiff center pontoon provided with a peripheral rim, a flexible deck portion attached at its outer edge to the outer pontoon adjacent the bottom of said pontoon and attached at its inner edge to the lower edge portion of the rim of the center pontoon, and means for causing part of the weight of the outer pontoon to exert a downward force or load on the rim of the center pontoon, said means comprising vertically-disposed posts on the center pontoon located adjacent the rim of the same, and radially-disposed tension members co-acting with said posts and attached at their outer ends to said outer pontoon.

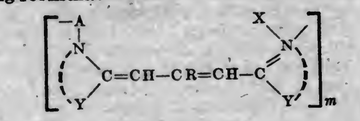
2,425,772

POLYMERIC CYANINE DYESTUFFS

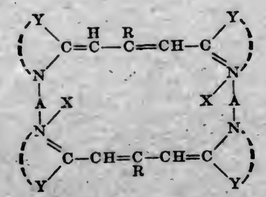
Cyril D. Wilson, Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 3, 1941, Serial No. 409,433
12 Claims. (Cl. 260—240)

10. A polymeric carbocyanine dye selected from the group consisting of compounds of the following formula:

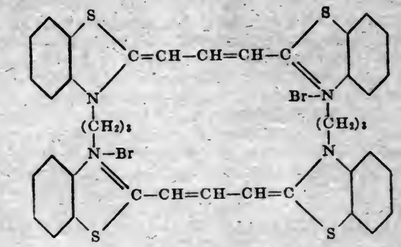


and



wherein A is a hydrocarbon radical in which the bonds are attached directly to a carbon atom taken from the group consisting of aliphatic and cycloaliphatic carbon atoms, Y constitutes the atoms necessary to complete a heterocyclic nitrogen nucleus usual in cyanine dyes, X is an acid radical, R is a member taken from the group consisting of hydrogen and hydrocarbon radicals and m is a positive integer the free bond attached to A being attached to the free bond attached to N in each successive unit to form a polymeric chain having recurring units of the above formula.

11. A polymeric carbocyanine dye of the formula:

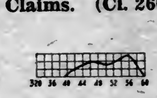


2,425,773

CYANINE DYES WITH RECURRING CYANINE NUCLEI

Cyril D. Wilson, Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application May 21, 1943, Serial No. 487,849
11 Claims. (Cl. 260—240)

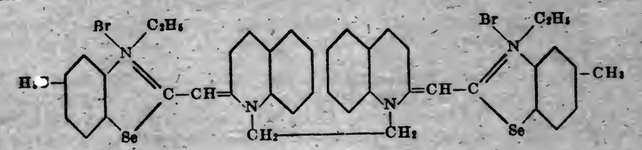


1. A bis-cyanine dye of the general formula:



where Z and Z' constitute the atoms necessary to complete a heterocyclic nitrogen nucleus usual in cyanine dyes, the carbon atoms C are in a position taken from the alpha and gamma positions with reference to the heterocyclic nitrogen atoms, Q is a trivalent bridging radical of the type usual in cyanine dyes radical which forms a conjugated chain of atoms between the intracyclic nitrogen atoms of the two adjacent heterocyclic nuclei, A is a divalent hydrocarbon radical connected through an acyclic carbon atom to the intracyclic nitrogen atoms, R is a monovalent hydrocarbon radical taken from the group consisting of alkyl and aralkyl radicals and X is the negative radical of an acid.

9. 1', 1'''-ethylene bis (3-ethyl-5-methyl-selenopseudocyanine) dibromide of the formula



2,425,774

POLYMERIC DYESTUFF INTERMEDIATES AND PROCESS FOR OBTAINING THE SAME

Cyril D. Wilson, Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 12, 1945, Serial No. 572,585
9 Claims. (Cl. 260—298)

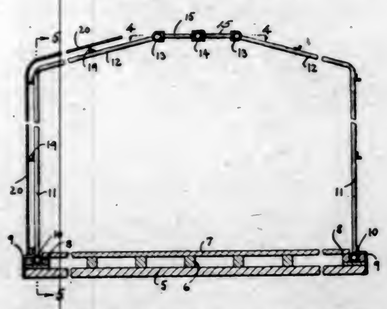
1. The process which comprises reacting a heterocyclic nitrogen base containing a five to six-membered heterocyclic ring, said ring having a reactive group which enters into a cyanine dye condensation in a position taken from the group consisting of alpha and gamma positions to the heterocyclic nitrogen atom with a polyfunctional organic hydrocarbon compound containing at least one non-aromatic carbon atom and a plurality of functional groups, each of which is attached to such non-aromatic carbon atom and forms quaternary ammonium salts with ternary nitrogen compounds, at least one mol of said base being used for each functional group.

2,425,775

BUILDING HEATING AND COOLING PANEL SYSTEM

Vivvien L. Yarborough, San Francisco, Calif.

Application March 6, 1945, Serial No. 581,301
1 Claim. (Cl. 257—21)



In a building structure, spaced parallel sills forming a rectangular frame, a pair of spaced parallel stringers on each side at opposite sides of the frame, fluid return pipes between stringers spaced parallel heat radiating or absorbing pipes rising from the return pipes and forming columns for the support of the side wall panels of the building, inwardly and upwardly extending heat radiating or absorbing runs at the upper ends of the heat radiating or absorbing pipes and forming rafters for the support of the roof panels of the building, a header joining the upper ends of the heat radiating and absorbing runs, said headers lying in spaced parallel relation longitudinally of the building, a fluid feed pipe midway between the headers, branch pipes periodically connecting the feed pipe to the headers and means selectively to introduce a heating fluid or a cooling fluid into the system.

2,425,776

MERCAPTAN EXTRACTION

Chester E. Adams, Highland, and Theodore B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 22, 1945, Serial No. 612,126
10 Claims. (Cl. 196—30)

1. The process of extracting weakly acidic substances from hydrocarbon distillates which comprises contacting said distillates with a solution of an alkali metal hydroxide and a solutizer comprising an alkali metal salt of a thioether acid.

2,425,777

PROCESS FOR THE EXTRACTION OF MERCAPTANS FROM HYDROCARBON OIL

Chester E. Adams, Highland, and Theodore B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application August 22, 1945, Serial No. 612,127
12 Claims. (Cl. 196—30)

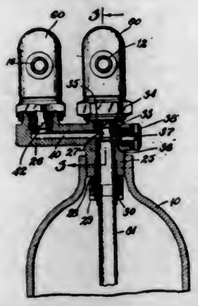
1. The process of extracting weakly acidic substances from hydrocarbon distillates which comprises contacting said distillates with a solution of an alkali metal hydroxide and a solutizer comprising an alkali metal salt of a polyether acid.

2,425,778

FIRE EXTINGUISHING SYSTEM

Frank B. Allen, Verona, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application November 5, 1942, Serial No. 464,685
1 Claim. (Cl. 169—2)



In a fire extinguishing system for extinguishing fire at spaced points, the combination of a container, a fitting mounted on said container and provided with a plurality of discharge ports, a sealing disc in each discharge port, a discharge head connected to each of said ports and provided with a puncturing element for puncturing the respective disc, and conduits leading from said discharge heads to said points, said discharge heads also including powder charges for operating said puncturing elements, separate circuits for firing said charges and switch means for closing said circuits, said switch means including a pivoted switch lever located intermediate of said points and operable in the direction of said points to close the circuits respectively for setting off the charges in the discharge heads connected by said conduits to said points.

2,425,779

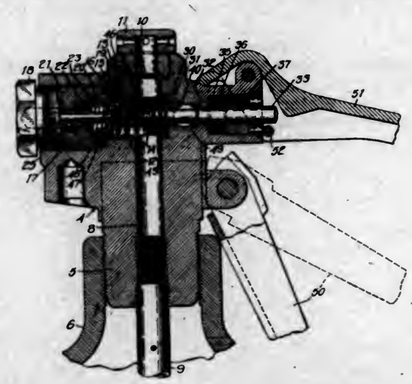
DISCHARGE HEAD

Frank B. Allen, Verona, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application June 24, 1943, Serial No. 492,151
3 Claims. (Cl. 251—134)

1. A discharge head for a high pressure fluid container, provided with a straight vertically extending through-bore threaded at its lower end adapted to receive a syphon tube and shouldered

and threaded at its upper end and adapted to receive a safety disc plug, and provided with a straight horizontally extending through-bore intersecting said vertically extending bore and including a valve chamber at said point of intersection, a valve in said valve chamber provided with a valve stem on one side, a valve spring seated at one end against the other side of said valve, said horizontal bore including a reduced portion providing at one end of said valve chamber a valve seat, a horizontally and laterally extending port communicating with said reduced



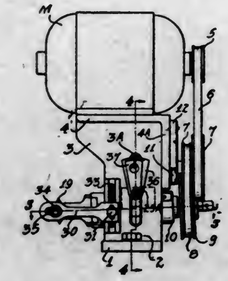
portion, and said horizontal bore having a further reduced portion providing a support and guide for the valve stem and an enlarged end portion adjacent thereto, a washer and a retaining plug in said enlarged portion, said plug being provided with a longitudinal through-bore adapted to receive the valve stem, the valve stem being of a length to extend beyond the outer end of said plug, and said horizontal bore being provided at its other end with a shoulder and an enlarged portion and a plug in said latter enlarged portion constituting a seat for the other end of said spring.

2,425,780

ADJUSTING MEANS FOR LATHE ATTACHMENTS

Emil Baerwalde, Cleveland, Ohio

Original application September 29, 1941, Serial No. 412,890, now Patent No. 2,360,387, dated October 17, 1944. Divided and this application July 10, 1944, Serial No. 544,173
3 Claims. (Cl. 90—11.66)



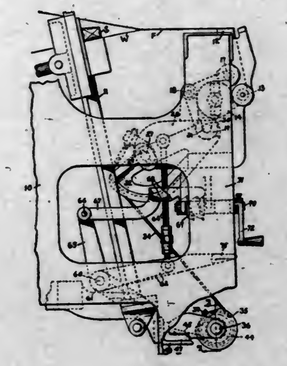
1. An attachment adapted to be applied to the carriage of a lathe, said attachment including a rotatable shaft and a cutting means operatively connected thereto for operative relation with respect to the work, and operating means therefor, said attachment including also a bracket adjustable vertically along a straight line for supporting said cutting means, said cutting means being also provided with means of rotatable angular adjustment upon said bracket in a vertical plane so as to permit variation of the inclination of the longitudinal axis of the cutting means with respect to that of the work, a laterally extending stabilizing arm mounted upon said carriage and having automatically compensating pivotal connection with the operating end portion of said cutting means so as to maintain the same in proper operative relation to the work during vertical angular adjustment of the cutting means.

2,425,781

CLOTH ROLL MECHANISM FOR LOOMS

Carl P. Bergstrom and Archibald J. Herard, Jr., Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application September 24, 1945, Serial No. 618,136
3 Claims. (Cl. 139—308)



3. In a loom having a takeup roll and a cloth roll, a supporting lever for each end of the cloth roll, said levers movable in unison about a common axis and each lever having a part thereof concentric with said axis, a flexible force transmitter for each lever having one end thereof connected to the latter and wrapped around the concentric part thereof, and resilient means normally under stress and connected to the other ends of said transmitters and operative by forces exerted through said transmitters to hold the cloth roll yieldingly against the takeup roll, said transmitters effective when the cloth roll moves away from the takeup roll to exert forces on the resilient means placing the latter under increased stress.

2,425,782

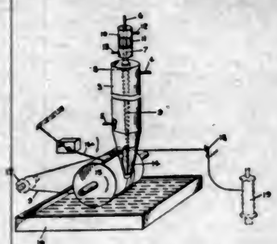
PREPARATION OF FILAMENTS

Joseph E. Bludworth and Canfield Hutson, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application March 4, 1944, Serial No. 525,036
10 Claims. (Cl. 18—54)

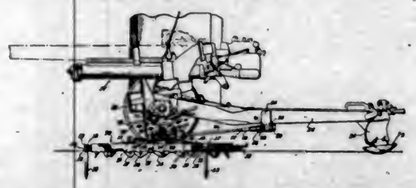
7. Process for the production of artificial filaments having a basis of a filament-forming material by wet-spinning processes, which comprises extruding a solution of cellulose acetate in acetone into a setting atmosphere consisting essentially

of a mist of water droplets wherein said extruded cellulose acetate material is solidified, and passing



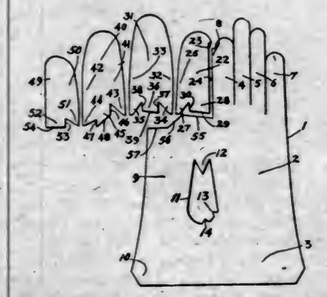
the solidified cellulose acetate material through water.

2,425,783
FIRING PLATFORM FOR ARTILLERY
Adolph P. Buquor, Washington, D. C., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application August 23, 1943, Serial No. 499,665
9 Claims. (Cl. 89—40)



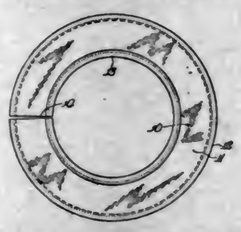
8. In a firing platform structure for an artillery gun having a carriage assembly provided with wheels and a trail assembly, a platform providing a circular track for said wheels and means for securing said carriage assembly to said platform for movement of said carriage about the center of said track, said platform comprising a plurality of sectors having top members and downwardly directed side flange members and means extending through said flanges for securing said sectors together, the lower surface of said platform being provided with a plurality of angularly disposed spades, at least some of said spades being secured to said downwardly directed flanges.

2,425,784
GLOVE
Aaron Charney, Chicago, Ill.
Application November 24, 1943, Serial No. 511,508
3 Claims. (Cl. 2—169)



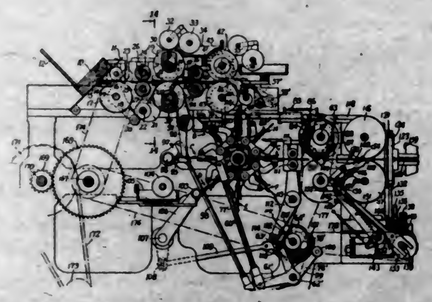
1. In a glove, including a body unit formed of a trank consisting of integral back and palm fold portions and four finger pieces integral with the back fold portion, four auxiliary finger pieces flat seamed to the palm fold portion, fourchettes integrally formed on the auxiliary finger pieces and seamed to the back fold finger pieces to form finger sheaths with seams only on the back sides thereof, crotch pieces integrally formed on the fourchettes with the crotch pieces of adjacent fourchettes seamed together to form inclined crotches between the finger sheaths, and a main cover piece including four finger cover pieces respectively secured to the palm fold portion and to the four auxiliary finger pieces and covering the flat attachment seams thereof.

2,425,785
MEANS FOR AND METHOD OF APPLYING MULTIPLE BELTS
Victor R. Clark, Chicago, Ill.
Application June 24, 1943, Serial No. 492,046
11 Claims. (Cl. 74—230.7)



1. In means for installing belts about multiple grooved pulleys to provide a multiple belt drive therebetween, an insert comprising a strip of readily pliable material of but slight thickness adapted to be positioned in a groove of a pulley and to conform substantially to the cross section of the groove so as to provide outwardly diverging arms disposed at the sides of the groove, said insert being formed of a material having a low coefficient of friction assuring ready slippage between the insert and the pulley when the arms of the insert are pressed against the sides of the groove by a belt tensioned about the pulley, and an elastic retaining member detachably connected at its ends disposed in the inner portion of the groove and retaining the insert therein.

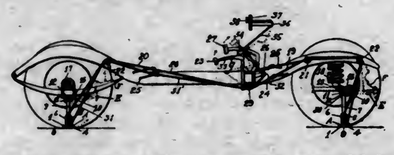
2,425,786
MACHINE FOR FORMING DRINKING CUPS
Eugene Conti, Jackson Heights, N. Y., assignor to Herz Manufacturing Corporation, a corporation of New York
Application October 26, 1942, Serial No. 463,357
16 Claims. (Cl. 93—36.05)



1. In a cup forming machine in which adhesive is applied to one edge of one of two wings

of a blank, the wings are folded over the body portion of the blank with the adhesive coated edge of one wing overlying the adjacent edge of the other wing, pressure is applied to the overlapping edges of the wings to seal the same together into a seam, adhesive is applied to a bottom flap of the blank, the bottom of the blank is folded over the aforementioned seam, and pressure is applied to the bottom flap to seal the bottom to the body portion of the cup, the combination with a turret having means thereon for receiving and loosely supporting a blank after the application of the adhesive to the edge of one of the wings, means for positioning the blank both longitudinally and transversely in the supporting means, and means for clamping the blank in the supporting means, of means for folding the wings of the blank so that the adhesive coated edge of one of the wings overlies the adjacent edge of the other wing to form a seam, means for exerting pressure on the seam to cause the adhesion of the wings, means for transversely creasing the bottom of the thus partially formed cup, means for applying an adhesive to the bottom flap of partially formed cup, means for folding the creased bottom and bottom flap of the partially formed cup along the line of crease and for exerting pressure on the thus folded bottom to seal the flap to the body of the cup, and means for imparting a step-by-step rotation to the turret so that its periods of rest will occur while the wings are being folded, the bottom creased, the adhesive applied to the bottom flap and the bottom folded and secured on to the body of the cup.

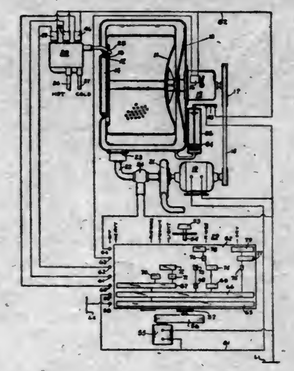
2,425,787
STABILIZER FOR MOTOR-DRIVEN VEHICLES
Clarence A. Cracraft, Peabody, Kans.
Application January 26, 1946, Serial No. 643,629
6 Claims. (Cl. 188—5)



1. In stabilizers for motor-driven vehicles, in combination with a motor-driven vehicle, a box for each wheel of the vehicle, means to secure the same in spaced relation thereto, arms for each box and means to rockably connect one end of the arms to the box, shoes, and resilient means to connect the same to the other ends of the arms to engage with a road bed, the shoe comprising a runner element and a cleaving element secured to each side of the runner in such a way that the edge of the cleaving elements is spaced upward a short distance from the bottom of the runner so that by rocking movement of the adjustable connecting means the cleaving elements will carry their load ratio of the vehicle to avoid side skidding, and means to rock and retain the arms to an upward disengaged position.

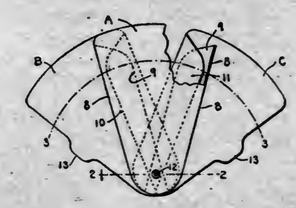
2,425,788
LAUNDRY APPARATUS
Hilbert E. Edwards, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1943, Serial No. 509,029
7 Claims. (Cl. 68—12)

4. In apparatus for washing fabrics, the combination of a container for water and the fabrics to be treated, means for washing the fabrics within the container, and means for admitting water at different temperatures to the container, said last-mentioned means including sources of cold and hot water, first and second water mixing devices connected to said sources and having respective chambers in which the hot and cold water are mixed, means responsive, respectively, to the tem-



peratures of the mixed water in said chambers for controlling the flow of hot and cold water thereto, first and second valves for controlling the discharge of water from the respective chambers, means defining a compartment for receiving the water discharged by the valves, means for conveying the water from the compartment to said container and means for operating said valves.

2,425,789
FAN
William O. Fisler, Normandy, Mo., assignor to Skinner & Kennedy Stationery Co., St. Louis, Mo., a corporation of Missouri
Application February 7, 1946, Serial No. 646,110
5 Claims. (Cl. 230—269)

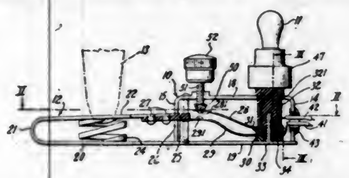


1. A foldable fan comprising separate fan sections pivotally connected together, each of said sections having a folded side margin lapping and slidably interlocked with one of its companion fan sections to limit relative pivotal movements of said separate fan sections.

2,425,790
BED SWITCH
Roland A. Fletcher, San Diego, Calif.
Application January 12, 1946, Serial No. 640,822
5 Claims. (Cl. 200—85)

2. A device of the type described comprising: a casing defining an enclosure having an opening in one side thereof; a base member extending laterally from the bottom of said casing on said one side therof; a weight-supporting vertically deflectable member positioned above said base

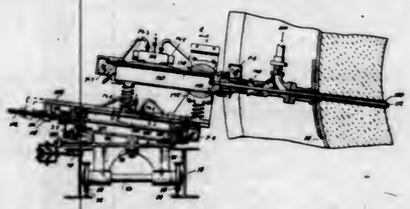
member and secured at its outer end to the outer end of said base member; the inner end of said deflectable member extending through said opening into said casing; and switch means in said casing operable in response to vertical movment of the inner end of said deflectable member; said switch means comprising a pair of leaf spring members positioned one above the other and having normally closed electrical contacts; means coupling the lower spring member to said inner end of the deflectable member whereby downward movement of the latter moves said lower spring member downwardly; and means for adjusting the upper spring member vertically to vary the vertical position of said deflectable member at which said contacts break.



2,425,791
ELECTRICAL OIL
Edward S. Flynn, Hastings-on-Hudson, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 27, 1944, Serial No. 533,051
3 Claims. (Cl. 252—64)

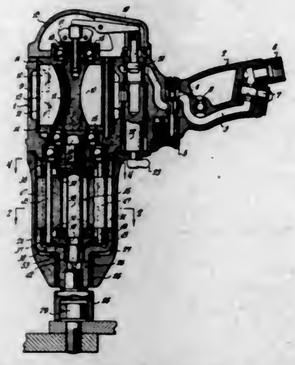
1. An improved electrical insulating oil consisting of a highly refined mineral oil suitable for use as an insulating medium in electrical equipment which has been stabilized against the deleterious action of micro-organisms therein by incorporation in the oil of about 0.05 to 0.2% by weight of naphthoquinone.

2,425,792
MACHINE FOR AUTOMATICALLY PUNCHING CONVERTER TUYÈRES
Gordon B. Forbes, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application October 17, 1944, Serial No. 559,052
25 Claims. (Cl. 266—42)



14. Apparatus for punching the tuyères of a converter, said punching apparatus comprising a frame extending vertically and longitudinally of the converter and affording access to the tuyères thereof, said frame being supported for movement towards and away from said converter, means for moving the frame, a carriage mounted on said frame and arranged for longitudinal and vertical movement thereon whereby the carriage is brought adjacent the converter tuyères, a punching tool, including means for reciprocating the tool, mounted on said carriage, means for automatically positioning the punching tool in vertical alignment with a tuyère which is to be punched, means for moving said carriage and associated punching mechanism mounted thereon horizontally in said frame from tuyère to tuyère successively and automatically, means for stopping the carriage at a tuyère to be punched, means for initiating the operation to punch said tuyère, means responsive to decreased air flow to the converter tuyères to start the tuyère punching cycle of operations, and means responsive to restoration of air flow to the converter to a predetermined value to discontinue the tuyère punching cycle of operations.

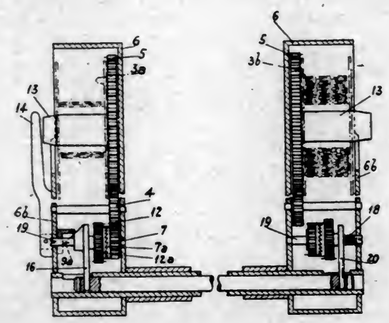
2,425,793
IMPACT WRENCH
Louis P. Fosnot, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application February 10, 1943, Serial No. 475,377
18 Claims. (Cl. 192—30.5)



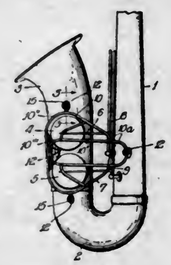
1. An impact clutch comprising relatively rotatable driving, hammer and anvil members, said anvil member having spaced jaws, impact elements movably carried by the hammer and movable into the orbital path of the jaws to deliver a series of rotational hammer blows thereto in the rotation of the hammer with the driving member relatively to the anvil, cam slots and cooperating lugs therefor coupling the driving member to the impact elements, said cam slots being substantially arcuate in shape and arranged with their outermost mid-portions disposed for the projection of the impact elements into the path of the jaws and their camming portions on opposite sides of said mid-portions to withdraw the impact elements from the jaws upon the termination of an impact thereon in either direction of rotation or the driving member, and means for reversely rotating the driving member.

2,425,794
AUXILIARY RIBBON FEED DEVICE FOR TYPEWRITERS
Josefine Rosa Geser, Zurich, Switzerland
Application January 22, 1946, Serial No. 642,715
In Switzerland May 26, 1944
3 Claims. (Cl. 197—153)

1. An attachment for typewriting machines having platens, for producing additional copies of the writing comprising, at least one ribbon, a pair of ribbon spools on which said ribbon is wound and between which the ribbon extends, drive means connected with the platen for moving said ribbon past the platen, means for reversing the direction of movement of the ribbon, said reversing means comprising an axially movable rod, actuating members for moving said rod in opposite directions, one of said actuating members being manually operable and the other spring operated, and means including said rod for drivingly connecting the respective drive means with one or the other of said spools alternately to effect the reversal of the direction of movement of the ribbon.

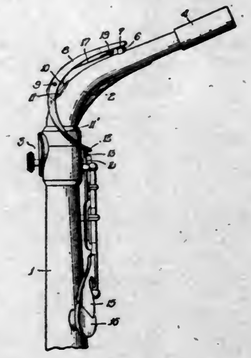


2,425,795
DEMOUNTABLE VALVE GUARD FOR SAXOPHONES AND THE LIKE
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 579,323
5 Claims. (Cl. 84—385)



1. In an instrument of the class described having a tubular body and valve means therefor, the combination with said instrument of a mounting member having a base fixed to the body of the instrument, an integral internally threaded post extending from said base, an abutment shoulder on said base at the inner end of said post, a guard for said valve means, an attachment member of protuberant form fixed to said guard and having an opening extending therethrough and of a diameter for a distance greater than the length of said post to fit telescopically over said post, a shoulder at the inner end of said attachment member adapted to seat against the abutment shoulder on the base of said mounting member, the outer end of the opening which extends through said attachment member being countersunk to form a shoulder at the outer end of the post fitting diameter of said opening and outwardly of the outer end of said post, and a screw having a head and a shank adapted to be screwed into said post to position with said head positioned within the countersunk outer end of the opening in said attachment member and seating against the shoulder in said opening to clamp the attachment member between the head of the screw and the abutment shoulder on said base.

2,425,796
OCTAVE VALVE CONTROL MECHANISM FOR SAXOPHONES AND THE LIKE
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 579,324
8 Claims. (Cl. 84—385)

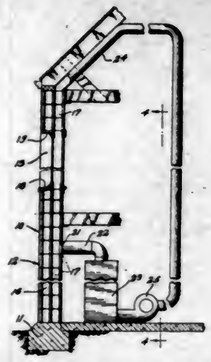


1. In an instrument of the class described having a tubular body provided with an octave hole in the tubular neck portion thereof, the combination with said instrument of a spar attached to said neck portion and having an arm extending outwardly along said neck portion in spaced relation thereto and into proximity to said octave hole, an octave lever pivoted to said spar and of curved form and bifurcated and looped inwardly of its outer end with the sides thereof straddling the outwardly extending arm of the spar, whereby said spar by its engagement between the sides of said lever prevents bending and misalignment of said lever in use, and an octave valve attached to the outer end of said lever and adapted to close said octave hole.

2,425,797
HEATING SYSTEM
Elwyn R. Gillespie, Richmond, Calif.
Application December 29, 1945, Serial No. 638,250
1 Claim. (Cl. 237—50)

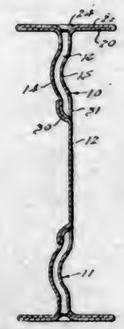
In a closed heating system in combination with a heat exchange unit a building wall having a window space and an air duct therein opening into the bottom and top of the window space, a double glazed sash closing the window space facing the outside of the wall, a single glazed sash closing the window space adjacent the inside of the wall, said sash forming a chamber between them into the lower end of which warm air is fed through said air duct from said heat exchange unit, and a conduit establishing connection between the air duct opening into the upper end of the chamber and the cold air intake

side of the heat exchange unit and a suction fan in the system adjacent the heat exchange



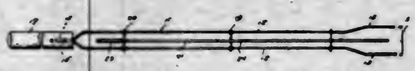
unit to maintain a forced circulation of air at sub-atmospheric pressure through the system.

2,425,798
METAL NAILING BEAM
William J. Hall, Detroit, Mich., assignor to Great Lakes Steel Corporation, a corporation of Delaware
Application March 29, 1944, Serial No. 528,602
10 Claims. (Cl. 189—37)



1. A one piece sheet metal nailing beam comprising a pair of spaced T-formations having their leg portions directed towards each other, each T-formation comprising laminations, one lamination of one leg being integrally joined to one lamination of the other leg by a single thickness web, the inner edges of the other leg laminations being fastened to the edges of said web, respectively and the laminations of each leg portion being spaced apart to receive and grip nails which may be driven therebetween.

2,425,799
WIENER ROASTING CLAMP
John C. Hamilton, Merced, Calif.
Application September 18, 1945, Serial No. 616,995
1 Claim. (Cl. 99—441)



In roasting tongs, the combination, which comprises an elongated longitudinally extending frame having spaced parallel side bars with outwardly extended parallel sections at the ends and with the extreme ends having substantially semi-circular downwardly extending prongs connected with a transversely positioned cross-bar, an intermediate longitudinally extending bar positioned between said side bars parallel with and in the same plane as that of said side bars with the extreme end having a substantially semi-circular downwardly extending tong, transversely disposed vertically positioned bearing plates rigidly mounted at the ends thereof on said side bars spaced from the ends of said side bars and having centrally positioned openings in which said intermediate bar is slidably mounted, an intermediate transversely disposed vertically positioned bearing plate having a centrally disposed slot in the upper edge rigidly mounted at the ends thereof on said side bars, a yoke on said intermediate bar having a rectangularly-shaped section parallel to the bar slidable in said slot, a trigger extending downward from the inner end of said intermediate bar, a spring on said intermediate bar urging said bar outward with the prong at the outer end in gripping relation with the prongs of the side bars, and a handle in which the inner ends of said side bars are rigidly mounted.

2,425,800
CABLE FOR REINFORCING PIPE DURING BENDING OPERATION
Vivian E. Hamilton, Jr., Shreveport, La.
Application January 26, 1946, Serial No. 643,811
1 Claim. (Cl. 153—32)

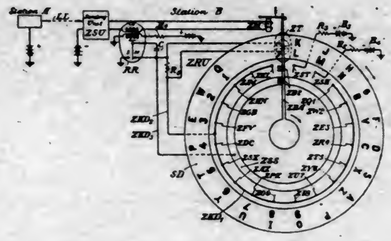


Reinforcing means for a pipe section for preventing deformation of the section out of round while being bent comprising a wrapper adapted to be imposed upon said section along the portion to be bent and of greater length than said portion, and devices adapted for anchoring the ends of the wrapper to said section and operative to tighten said wrapper, said devices comprising a pair of ring clamps adapted to be circumposed on said section at the ends of the wrapper, respectively, and to which the ends of said wrapper are adjustably connected, the connections between the ends of the wrapper and said clamps comprising threaded rods on the ends of the wrapper extending tangentially across said clamps, and apertured lugs on said clamps through which said rods are extended and nuts on said rods, said lugs being oblique to the plane of said clamps for extension of said rods therethrough.

2,425,801
SIGNALING SYSTEM
Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Original application August 12, 1943, Serial No. 498,268. Divided and this application July 20, 1944, Serial No. 545,864
4 Claims. (Cl. 177—353)

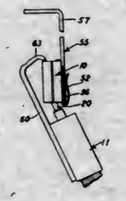
1. The combination of a condenser, a gas tube having two electrodes which may be connected

across said condenser, a movable display device having different characters to be displayed, means for charging said condenser to either polarity of a predetermined voltage, means for rapidly discharging said condenser through said tube so that one or the other of the electrodes of the tube will become illuminated in accordance



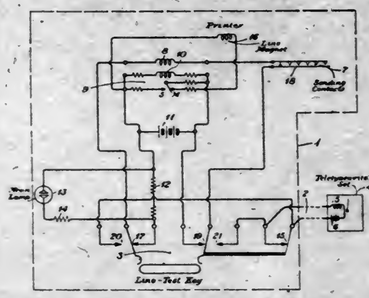
with the polarity of said condenser to illuminate said movable device only during the brief interval during which said tube is illuminated, said electrodes and said movable device being so relatively mounted that for particular positions of said movable device said electrodes are adapted respectively to illuminate and display different characters carried on said movable device.

2,425,802
CONNECTOR
Fred E. Harris, Nutley, Andrew S. Hegeman, Jr., Glen Ridge, and Harry N. Snook, Maywood, N. J., assignors to Western Electric Company, Inc., New York, N. Y., a corporation of New York
Application April 26, 1944, Serial No. 532,708
4 Claims. (Cl. 173—328)



1. A connector comprising an elongate socket unit with a casing having an open side, a U-shaped supporting bracket therefor having legs and a central portion, means carried by the casing for removably securing the casing to the central portion of the bracket, an insulating strip closing the open side of the casing and having spaced aligned apertures therein, sockets disposed in the apertures, an elongate plug unit having a casing with an open side, an insulating strip closing the open side of the last mentioned casing and having aligned apertures therein spaced comparable to the spacing of the sockets, spring-pressed contact plugs mounted in the last mentioned apertures, and a connecting element carried by the casing of the plug unit and formed to extend about the socket unit to secure the units together with their respective plugs and sockets interengaging.

2,425,803
VISUAL INDICATOR FOR TELETYPEWRITER LINE-TEST KEY
William Hoinkis, Summit, and Donald B. Perry, Maplewood, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 8, 1944, Serial No. 548,604
2 Claims. (Cl. 178—75)

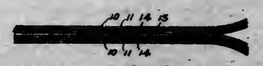


1. A teletypewriter set including a sender adapted to be connected to a line, a source of potential also connected with the said set, a switch having a plurality of contacts to connect the set to a line and disconnect it therefrom, a resistance element connected between one of the contacts and one side of said source of potential, the other side of which is connected to another of the said contacts, and a visual indicating device bridged across the said resistance element and responsive to the voltage across the said element to indicate whether the set is connected to the said line or is disconnected therefrom.

2,425,804
SOAPSTONE CRAYON AND METHOD OF MAKING SAME
Arthur M. Hossenlopp, Metuchen, N. J., assignor to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey
No Drawing. Application March 8, 1945, Serial No. 581,722
2 Claims. (Cl. 260—9)

1. A high temperature resisting crayon comprising a self-sustaining body composed of a mixture including clay, talc, corn flour and polyvinyl alcohol, in which the ingredients are present in the following proportions by weight, clay 10 parts, talc 90 parts, corn flour 5 parts and polyvinyl alcohol 2 parts.

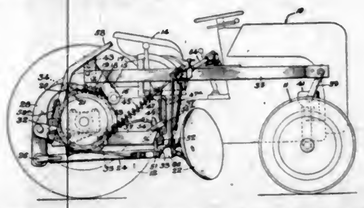
2,425,805
METHOD OF MAKING LAMINATED STRUCTURES
Frank W. Hyman, New York, N. Y.
Application April 28, 1943, Serial No. 484,866
1 Claim. (Cl. 154—50)



The method of making a flexible laminated structure comprising coating the inside surfaces of two opposed sheets of fibrous material with a filler, drying the filler, applying to said surfaces a hot-melt material which cools to form a flexible water-proof layer on said filler, cooling the hot-melt material, applying asphaltic material to the inner surfaces of two opposed sheets of re-

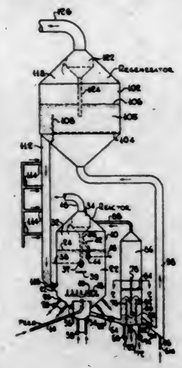
generated cellulose material, cooling the asphaltic material, then leading the sheets of the cellulose material between said first mentioned sheets and joining all of said sheets together under pressure.

2,425,806
ATTACHMENT FOR TRACTORS
John W. Ing, Longview, Tex., assignor to G. A. Kelly Plow Company, Longview, Tex., a corporation of Texas
Application September 24, 1943, Serial No. 503,592
12 Claims. (Cl. 97—47)



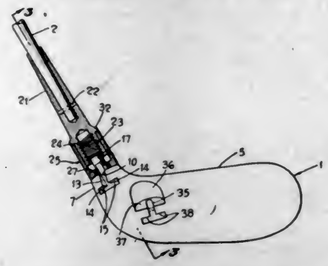
1. In a two-way plow attachment for a tractor having a power actuated lift means thereon, the combination of a pair of lifting beams, means for pivotally supporting the forward ends of said beams on the fore portion of the tractor with the beams extending generally horizontally alongside the body of the tractor at opposite sides thereof, means for connecting the rear portions of said beams to the lifting device on the tractor for unison vertical movement thereby, a pair of pusher bars having plow disks on their forward ends, means for pivotally supporting the rear ends of said bars on the rear portion of the tractor with the bars projecting generally forwardly beneath respective ones of said beams, flexible suspension means for suspending the fore portions of the pusher bars from the respective beams for elevation by the beams upon raising of the latter by the lifting device, and selectively operable means for locking alternate ones of said bars in elevated position.

2,425,807
CONTACTING SOLIDS AND GASEOUS FLUIDS
Charles E. Jahnig, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 30, 1944, Serial No. 551,800
14 Claims. (Cl. 196—52)



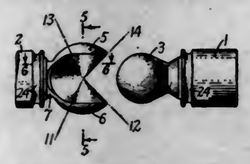
1. In a method of contacting solid particles and a gaseous fluid in a contacting zone wherein the particles are maintained as a dry dense liquid-simulating mixture having a level with a dilute phase thereabove, the steps which comprise withdrawing contact particles as a dense liquid-simulating mixture from the bottom portion of said contacting zone, passing the withdrawn mixture to the bottom portion of a separate stripping zone to remove entrained gaseous fluid and wherein the particles are maintained as a dense fluidized mixture, introducing stripping gas into the bottom portion of said stripping zone, passing the dense fluidized mixture through a plurality of sections in said stripping zone so that in one section the general flow of the fluidized mixture is upwardly and in another section the general flow of the fluidizing mixture is downwardly, withdrawing dense fluidized stripped contact particles from the bottom portion of said stripping zone and withdrawing stripping gas together with stripped-out constituents from the upper portion of said stripping zone.

2,425,808
GOLF CLUB
John Jay Jakosky, Los Angeles, Calif.
Application November 14, 1944, Serial No. 563,370
7 Claims. (Cl. 273—79)



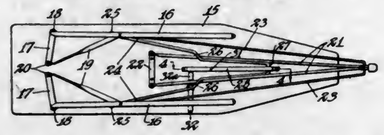
6. An adjustable-head golf club comprising a head provided with a shouldered slot adjacent its inner end; a shaft; and mounting means associated with said shaft for detachably securing said shaft to said head and including a member adapted for engagement with and removal from said slot when in either of two relatively reversed positions, said member having a face shaped to engage the shoulder of said slot in such manner as to position said shaft in one angular direction relative to said head when said member is engaged with said slot in one of said two positions, and to position said shaft in a different angular direction relative to said head when said member is engaged with said slot in the other of said two positions.

2,425,809
UNIVERSAL JOINT
Corydon M. Johnson, Freeport, N. Y.
Application October 23, 1944, Serial No. 559,893
5 Claims. (Cl. 64—9)



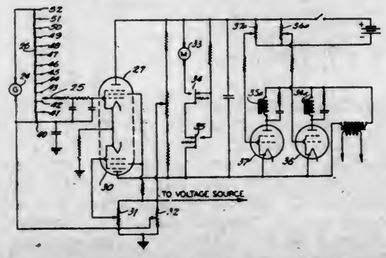
4. A universal joint including two interengaged shaft end portions only, a point bearing between said shaft end portions at their axial centers, and at least two coacting sliding bearings between the shaft end portions, each defined by a line extending radially from the point bearing.

2,425,810
IRONING TABLE HAVING FOLDING SUPPORTS
Henry V. Keller, Minneapolis, Minn.
Application March 31, 1944, Serial No. 528,872
3 Claims. (Cl. 38—117)



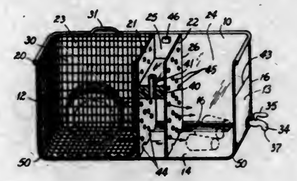
1. In an ironing table, a top, a front leg unit, a rear leg unit, said leg units being pivotally connected to said top for swinging movement toward and away from the top, a locking brace connected at one of its ends to a first one of said leg units below the point of pivotal connection of said leg unit with said top, the other end of said locking brace being movable relative to said top, and said locking brace per se being disposed at an angle to and overlying and crossing a portion of the second of said leg units when said leg units are pivotally moved toward said table top to a collapsed position, whereby force applied to said second of said leg units to move the same away from said top is positively directed to that portion of said locking brace disposed at an angle to and overlying and crossing said second of said leg units.

2,425,811
APPARATUS FOR MEASURING VOLTAGES
Earle L. Kent, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application June 5, 1942, Serial No. 445,990
4 Claims. (Cl. 171—95)



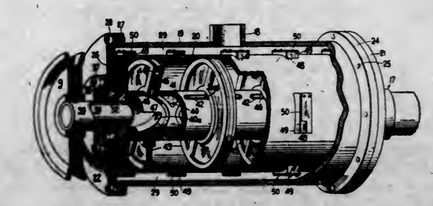
1. Apparatus for measuring electrical voltages comprising a potentiometer including a resistance supplied at its ends with said voltages and having a plurality of taps so spaced as to produce substantially a logarithmic variation in voltage from one tap to another, a voltage responsive meter sensitive to the voltage across one end of the resistance and a selected one of the taps, a pair of switches in circuit with the meter, means responsive to the voltage impressed on the meter to operate one of the switches to open the meter circuit when the voltage exceeds a safe value and a second means responsive to the voltage impressed on the meter to operate one of the switches to open the meter circuit when the voltage is negative to the normal scale of the meter.

2,425,812
PORTABLE DISHWASHING DEVICE
Roland Krebs, Webster Groves, Mo.
Application June 14, 1945, Serial No. 599,388
1 Claim. (Cl. 134—197)



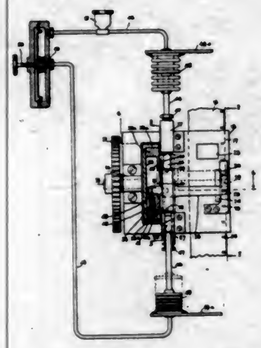
In a portable dishwasher, a substantially rectangular tank formed by side wall, end wall and bottom elements, and characterized by rounded cornering throughout, the tank including a pair of parallel spaced transverse partition elements profusely apertured, and with the apertures thereof arranged in a pattern such that water ejected through the apertures is expelled in jets in substantially horizontal planes, the apertures of the partitions further including water intake ports in their lowermost regions which open along the bottom element of the tank and are considerably larger than the apertures thereabove, the partitions being arranged with respect to the end walls of the tank so as to form a relatively large compartment at one end of the tank, a somewhat smaller compartment at the opposite end of the tank, and a smallest compartment serving as a displacement chamber in a generally intermediate zone of the tank and between the apertured partitions, the smallest compartment being of a length substantially the full inside width of the tank, a piston of substantially rectangular horizontal shape and coextensive in plan with the displacement chamber, arranged to operate vertically therein, a stop lug for limiting upward piston movement, carried by a side wall element, and an actuating rod carried by the piston.

2,425,813
COMPRESSOR
Ralph J. Kuntz, Columbus, Ohio
Application December 13, 1945, Serial No. 634,712
13 Claims. (Cl. 230—217)



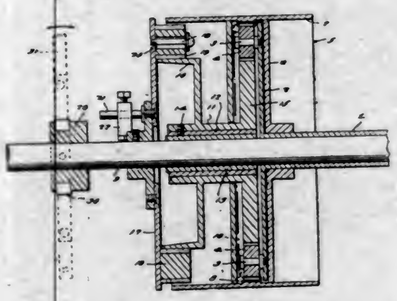
1. A compressor comprising a shell, a hollow shaft extending within said shell and being rotatably mounted therein, pistons disposed within said shell and being non-rotatably but reciprocably mounted relative to said shaft, means for reciprocating said pistons relative to said shaft upon rotation of said shaft, said shaft being provided with inlet ports in its wall for permitting fluid to enter the space within said shell, a second shell enclosing the first shell to provide an outlet chamber therearound, and pressure-responsive valves for controlling the passage of fluid from within said first shell to the outlet chamber.

2,425,814
FILM MOVING MECHANISM
Grover Laube, Los Angeles, and Lawrence E. Belger, Inglewood, Calif.
Application November 13, 1945, Serial No. 628,246
20 Claims. (Cl. 88—18.4)



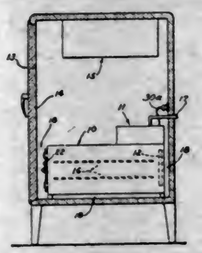
1. In a film moving mechanism, a rotatable member, a reciprocal member adjacent thereto, and a resilient member having one end suitably connected to said rotatable member eccentrically thereof and the other end connected to said reciprocal member to oscillate the same upon the rotation of said rotatable member.

2,425,815
REVERSIBLE GEARING
John N. Lavery, Long Beach, Calif.
Application March 16, 1944, Serial No. 526,731
2 Claims. (Cl. 74—377)



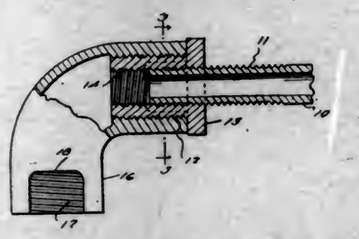
1. A device of the character described including a drive shaft, a fixed tube surrounding said shaft formed with an annular flange, stub shafts supported by said flange, gears on said shafts, a pulley having a hub loosely mounted on said tube, a ring gear on the inner surface of said pulley engageable with said gears a bearing collar journaled on said shaft, a bushing surrounding said collar, a hub secured to said bushing and collar supporting a clutch drum at one end and a gear at its opposite end engageable with the gears on the stub shafts, a plate secured to said drive shaft, radially adjustable clutch shoes supported on said plate, and a slidable operating means for selectively causing the frictional engagement of said clutch shoes with said drum and with said pulley for effecting the rotation of said pulley in either direction.

2,425,816
APPARATUS FOR COOLING UNDER ULTRAVIOLET RADIATION AND VACUUM CONDITIONS
William L. Maxson, West Orange, N. J., assignor to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Application July 13, 1944, Serial No. 544,785
6 Claims. (Cl. 62—89)



1. A storage chamber adapted to be refrigerated including a removable airtight box capable of withstanding external air pressure, a door for sealing said box, means mounted on the box for evacuating said box to a predetermined low pressure, means for producing ultra violet light within said box, and humidifying means within said box.

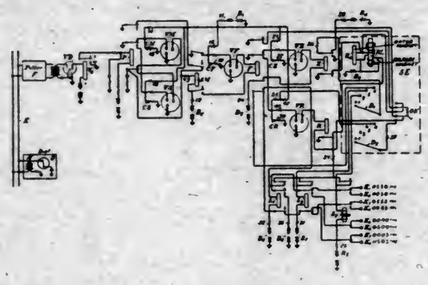
2,425,817
PIPE FITTING
Edward A. Mosca, Atlantic City, N. J.
Application February 1, 1946, Serial No. 644,695
1 Claim. (Cl. 285—198)



A pipe fitting having an inner thread, an inwardly extending cut-out in the end of the wall of the fitting, a reducing sleeve having an inside and outside thread extending over the entire length of the sleeve and adapted to threadedly engage the inner thread of the fitting, and a pipe having an outside thread adapted to engage the inner thread of the sleeve and longer than the reducing sleeve, all threads having the same amount of feed per revolution and the cut-out in the fittings being wide enough to permit the pipe to enter and leave the fitting through said cut-out.

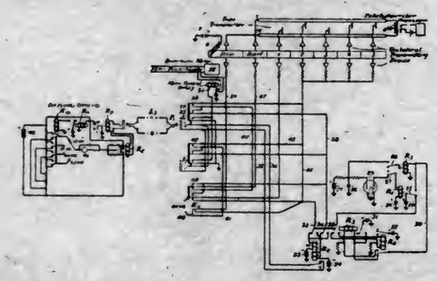
2,425,818
SIGNALING APPARATUS
James T. Neiswinter, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 12, 1942, Serial No. 468,862
5 Claims. (Cl. 177—353)

2. Apparatus for selecting any one of a plurality of lines, comprising a pulsing device for producing series of pulses, the number of pulses in each series being a variable number, a step-by-step sequence device, means for measuring the number of pulses produced by the pulsing device in each series, means controlled by said measuring means only when it responds to a plural impulse series of a given number for moving the sequence device a step from normal condition, means controlled by said measuring device for thereafter stepping the sequence device one step for each succeeding impulse series but only if said series



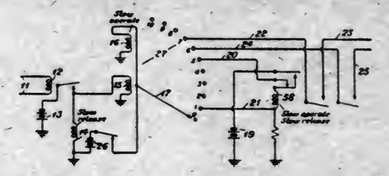
is either of two predetermined numbers, a plurality of relays, means controlled by said sequence device for sequentially preparing said relays for operation one for each step, means controlled by said measuring means for operating the prepared relay when the corresponding impulse series corresponds in number of impulses to one of said predetermined numbers, and means controlled jointly by said relays to select one of the lines.

2,425,819
TELEGRAPH DISTORTION MEASURING SYSTEM
James T. Neiswinter, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 1, 1943, Serial No. 471,082
9 Claims. (Cl. 178—69)



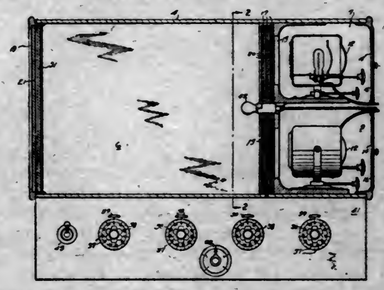
1. In a teletypewriter system, the combination with a segmental rotary distributor of an automatic transmitter connected to the segments of the said distributor, a testing circuit also connected to the segments of the said distributor, the connection between the said tape transmitter and the distributor having a unilateral transmitting device therein to permit current to flow only toward the said transmitter and the connection between the said testing circuit and the distributor also having a unilateral device therein to permit the flow of current toward the said testing circuit thereby preventing reaction between the latter circuit and the automatic transmitter.

2,425,820
SELECTIVE SYSTEM
James T. Neiswinter, South Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 17, 1944, Serial No. 522,849
2 Claims. (Cl. 177—353)



1. A selective system comprising a line over which code combinations comprising groups of impulses are transmitted, a station connected to said line, selective mechanism including a bank of terminals and a contact arm therefor at said station, said contact arm having a normal position, a plurality of relays each connected individually to a different one of the terminals of said bank, a plurality of contacts individual to each of said relays, each of said contacts being connected individually to terminals in said bank other than the terminal to which its individual relay is connected, a plurality of circuits to be selected individual to each of said relay contacts, means responsive to the reception at said station of a group of impulses of a transmitted code combination to cause said contact arm to rest on any desired terminal to which any of said relays is connected to operate the relay connected thereto, means responsive to the subsequent reception of another group of impulses of the transmitted code combination to cause said contact arm to rest on any desired terminal to which is connected a contact individual to the previously operated relay to complete the circuit individual to the contact connected to such terminal, and means whereby the contact arm is returned to normal after the termination of each group of impulses.

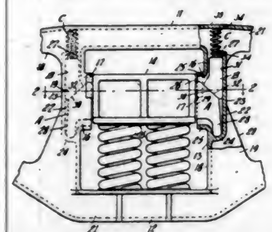
2,425,821
METHOD AND APPARATUS FOR DETERMINING THE EYE COLOR REFLEX SENSATION
Phillip S. Newton, Oakland, Calif., assignor of one-half to Paul A. Peters
Application April 19, 1944, Serial No. 531,720
8 Claims. (Cl. 88—20)



5. An apparatus for obtaining the color perception of the human eye, comprising a plurality of different colored lights adapted to be individually viewed by an observer, means for gradually and uniformly varying the intensity of each of said lights independently of each other, means for indicating the relative intensities of each of

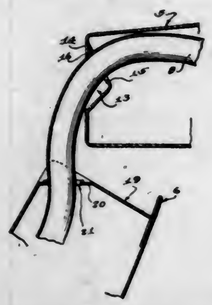
the lights in common units of color valuation, and means coacting with the means for varying the intensity of the lights for simultaneously exhibiting the colored lights having the intensities indicated whereby the observer may view the composite light.

2,425,822
RAILWAY CAR TRUCK
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 19, 1944, Serial No. 536,231
4 Claims. (Cl. 105—197)



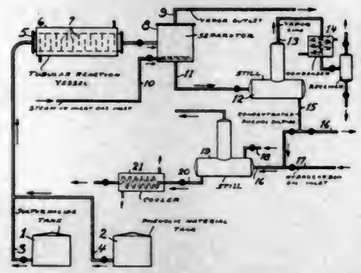
1. In a railway car truck, the combination with truck side frames provided with bolster guides, a truck bolster, and springs supporting said bolster on the truck side frames between said guides; of a pocket in each side frame at opposite sides of the bolster at said bolster guides; a friction shoe in said pocket and fulcrumed at its lower end, said shoe bearing on the side of the bolster; a wedge engaging said shoe and forcing the same against the side of the bolster; and a spring buttressed against the side frame and pressing said wedge into wedging engagement with the shoe.

2,425,823
CONDUIT GUIDE DEVICE FOR VEHICLES
John B. Parsons, Toledo, Ohio
Application October 26, 1944, Serial No. 560,455
2 Claims. (Cl. 296—44)



2. The combination of a vehicle body pillar, a door hingedly connected to the body pillar, said pillar and door having end walls which when the door is closed lie adjacent each other in substantially parallel planes, a depression in each of said walls in facing relation to each other when the door is closed, the depression in the pillar end wall including a wall portion inclined in the direction of the door swinging movement and the depression in the door end wall including an inclined wall portion disposed in substantially parallel relation to said first end wall portion when the door is closed, substantially aligned apertures in said wall portions respectively, and a rubber-like conduit passing freely through said apertures.

2,425,824
PROCESS FOR PRODUCING PHENOLIC SULFIDES
Theodore J. Peters, Jr., Roselle, and James E. J. Kane, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1944, Serial No. 570,187
6 Claims. (Cl. 260—608)



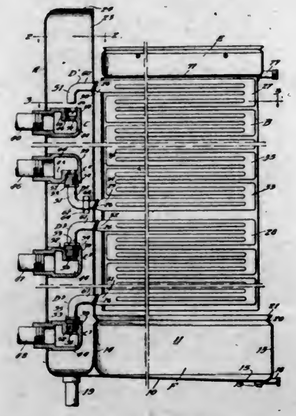
1. An improved process for producing phenolic sulfides and disulfides which comprises admixing phenolic material and the sulfur halide, holding the temperature of the mixture down by cooling so that it does not rise substantially above 50° C. and maintaining the ratio of phenolic material and sulfur halide within the limits of 1.25 to 1.75 mol of the halide to 2 of the phenolic material throughout the reaction period, and removing hydrochloric acid as a vapor.

2,425,825
FLOAT FOR FISHLINES
Morton L. Philips, Ottawa, Kans.
Application April 12, 1945, Serial No. 587,901
1 Claim. (Cl. 43—49)



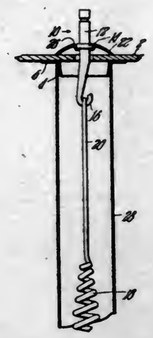
In a device of the kind referred to, a two-part hollow float comprising an upper transparent portion threadedly connected with a lower portion, a small dry-cell supported centrally within the float and axially aligned therewith, a small light bulb seated at the upper end of the dry-cell and electrically connected therewith, the supporting elements of the dry-cell including resilient metal conductors disposed oppositely within the float and operatively connected with the light bulb and with the opposite or lower end of the dry-cell, the extended lower ends of these conductors being supported in a spaced relation upon a cross-web of insulation material, a flexible diaphragm seated transversely within the lower end of the float below the said insulating cross-web, a stiff operating wire passed slidably and axially through the lower end of the float and through the insulating cross-web but fixedly joined to the said flexible diaphragm through which it also passes, flexing the same as it reciprocates inwardly or outwardly of the float, there being a metallic closing element or switch rigidly supported upon the inner end of the operating wire adapted to close the circuit through the light bulb as the metallic switch or closing element is pulled outwardly or downwardly upon the lower ends of the said resilient metal conductors, these said ends being turned upwardly to resiliently engage the metallic switch piece, and a coil spring seated over the lower end of the operating wire and braced at its ends between the lower end of the float and the said flexible diaphragm, whereby the metallic switch piece is normally raised from contact with the ends of the resilient metal conductors and the electrical circuit thus opened and the light bulb made inoperative.

2,425,826
HEAT EXCHANGER
William Radtke, Chicago, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application January 29, 1945, Serial No. 574,989
2 Claims. (Cl. 257—187)



1. A heat exchanger comprising an upright supporting frame, a heat exchange unit having an upper and a lower section, each section having an inlet at its bottom and an outlet at its top, a pair of inlet headers associated with said inlets, the upper section inlet being on a level with a low point in the passage of said section, a pair of outlet headers, all of said headers associated with said outlets being secured to said frame in vertical alignment and spaced relation, three of said headers having a horizontal upper wall and one of said headers having a horizontal lower wall, the latter of said headers being associated with the inlet of said upper section, each of said walls being provided with a vertical opening therethrough, each said opening having a packing step, the opening in said lower wall and one opening in one of said upper walls also having a thrust bearing step, four elbow-shaped communicating pivots extending outward from said unit and vertically into the openings in said headers, two into thrust engagement with said thrust bearings in said two headers, packing material resting upon said packing steps and surrounding the adjacent portions of the pivots respectively, a packing gland fitting against each said adjacent portion of the pivot and threaded into the header to compress the packing, and a quickly releasable coupling upon the reversely connected elbow-shaped pivot, whereby upon separating said coupling the upper section may be efficiently drained and the unit readily lifted from the headers.

2,425,827
ROVING SPOOL
Alphonse Rancourt, Pittsfield, Mass.
Application May 3, 1945, Serial No. 591,720
4 Claims. (Cl. 242—124)



1. A roving spool comprising in combination, a central tubular barrel, heads at opposite ends of the barrel having tapering guides extending into the barrel, spring means extending through the barrel connecting said heads resisting separating movements thereof.

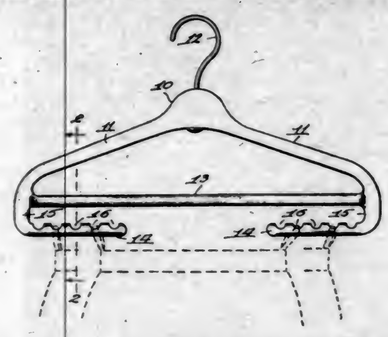
2,425,828
METALLIC SOAP DISPERSIONS
Clinton E. Retzsch, Arlington, and Charles H. Lighthipe, Bloomfield, N. J., assignors to Nopco Chemical Company, a corporation of New Jersey
No Drawing. Application December 13, 1944, Serial No. 568,073
9 Claims. (Cl. 106—243)

1. An aqueous metallic soap emulsion which comprises an emulsion having water as the continuous phase, water-insoluble metallic soap in the discontinuous phase, and a water-compatible substantially nonionic ester of a fatty acid containing 10 to 24 carbon atoms per molecule with a polyethylene glycol having a molecular weight in excess of approximately 200 as the emulsifying agent.

2,425,829
GARMENT HANGER
Solomon Rosenberg, Los Angeles, Calif.
Application February 7, 1944, Serial No. 521,326
1 Claim. (Cl. 223—88)

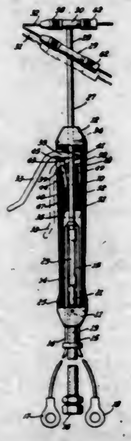
As a new article of manufacture, a garment hanger formed in a single piece and comprising an upper member having oppositely inclined bilateral portions, a horizontal rail connecting the

ends of said inclined portions, short horizontal arms disposed beneath and parallel with the end portions of said rail, the outer ends of said arms being connected to the outer ends of said rail the inner ends of which arms are spaced a substantial distance apart to permit ready insertion,



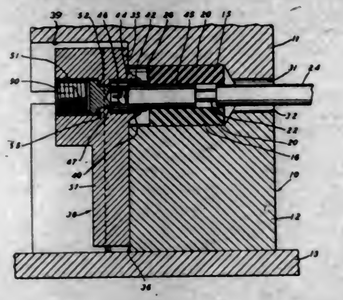
removal and manipulation of garments suspended on said rail and arms, there being transversely disposed spaced notches formed in the upper portions of said arms and which arms are provided with vertical, longitudinally disposed slots extending from their inner ends toward their connected ends.

2,425,830
ADJUSTABLE-ELECTRODE ARC-WELDING TORCH
Elmer R. Ross, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application April 23, 1945, Serial No. 589,759
2 Claims. (Cl. 219—14)



1. A double-electrode, arc-welding torch comprising: a handle having two parallel electrode-supporting rod members projecting from one end thereof and adapted to support a pair of electrodes for movement toward and away from each other, said handle comprising a tubular casing member of electrical insulating material having a closure plug of insulating material at its forward end through which said rod members extend; means locking one of said rod members to said closure plug, the other rod member being slidable within said plug; a block slidable within said casing member back of said closure plug, said block having longitudinal apertures through which said rod members extend; means for locking the other end of said rod members to said slidable block for movement therewith, said one rod member being slidable within said block; said closure plug having a re-entrant, longitudinally slotted portion within said casing member, and said casing member having a slot therein juxtaposed to the slot in said re-entrant portion; a lever having one end extending through said slot in said casing member and into said slot in said re-entrant portion and pivotally connected at its inner end to said re-entrant portion; a link extending longitudinally in said slot in said re-entrant portion; means pivotally connecting one end of said link to said lever and pivotally connecting the other end of the link to said slidable block, whereby swinging movement of said lever displaces said block longitudinally within said casing away from said re-entrant portion; and spring means for urging said block toward said re-entrant portion.

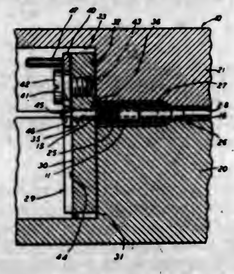
2,425,831
MOLDING APPARATUS
Charles Rozanek, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 593,503
7 Claims. (Cl. 18—36)



6. In a molding apparatus, a mold section having a molding recess formed therein and also provided with a guideway positioned at an end of the molding recess and extending transversely thereto, a second mold section movable toward and away from the first-mentioned mold section and provided with a molding recess complementary to the first-mentioned molding recess, a removable gauge block slidably mounted in said guideway and having a pair of sockets formed therein, a pair of bushings positioned in the sockets, a female dummy terminal positioned in one of the sockets, and a male dummy terminal positioned in the other of the sockets.

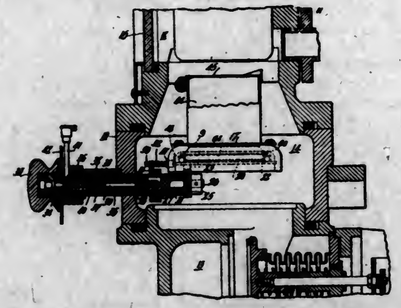
2,425,832
MOLD
Carl B. Lubbert, Annesllie, and Charles Rozanek, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 593,504
4 Claims. (Cl. 18—36)

4. In a molding apparatus, a stationary mold section having an elongated molding recess formed therein and also being provided with a guideway extending transversely to and intersecting the end of the recess, a movable mold section having formed therein an elongated molding recess complementary to the first-mentioned molding recess, a gauge block fitting slidably into the guideway and having a bore therein in which an end portion of a terminal fits, said gauge block being slidable out of the guideway when the mold sections are out of molding relationship, and a locking plate slidably mounted on the gauge block



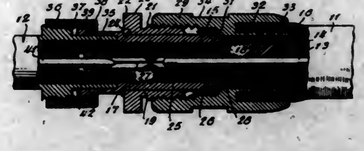
and having a notch formed therein for engaging a groove in the end portion of the terminal to hold the terminal against movement relative to the bore, said gauge block being engaged by an end of the guideway with the bore in alignment with the molding recesses in the mold sections when the movable mold section is in a molding relationship with respect to the stationary mold section, whereby the terminal is held in alignment with the molding recesses.

2,425,833
ELECTRON OPTICAL INSTRUMENT
Frank E. Runge, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 20, 1944, Serial No. 536,627
8 Claims. (Cl. 250—49.5)



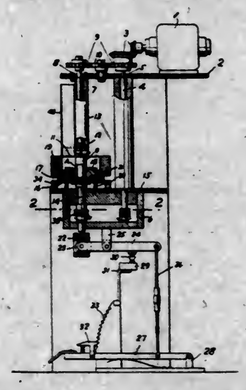
2. In an electron optical instrument of the type having an evacuated column for directing a beam of electrons, a unit forming an evacuable photographic chamber in the path of said beam, a housing forming a way leading through said chamber, said housing having a framing aperture for an image projected by said beam, a carriage slidable in said way and including a mounting for a cassette, means within said unit and operable from the exterior of said unit for moving said carriage through said photographic chamber, notches on said carriage, and spring pressed means alined with said notches and operating through said housing for successively engaging said notches as the carriage is moved to thereby indicate the position of the carriage with respect to said framing aperture.

2,425,834
COAXIAL LINE COUPLING
Frederick L. Salisbury, West Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application March 31, 1943, Serial No. 481,359
9 Claims. (Cl. 174—88)



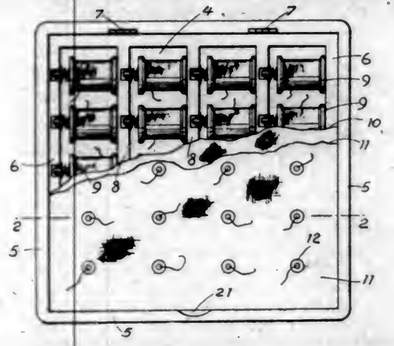
1. In a coaxial-line-type coupling for use with ultra-high frequency wave energy, the combination comprising a hollow body member having a bore of diameter substantially equal to the inner diameter of the outer conductor of a coaxial line to be coupled to said coupling, a thin-walled central conductor mounted coaxially of said body member in a bore-filling insulating support, said central conductor having an outer diameter substantially equal to the outer diameter of the inner conductor of said coaxial line, one end of said central conductor being formed for interfitting with the inner conductor of said coaxial line to provide a substantially smooth continuation thereof, and hollow outer conductor holding means threadedly secured to said body member adjacent said one end and adapted to hold said outer conductor as a smooth continuation of said body member bore, whereby upon tightening of said holding means, said coaxial line is substantially smoothly coupled to said coupling.

2,425,835
APPARATUS FOR CHARGING MOLDS FOR GEARS
Wayne R. Scherer, Trooper, Pa., assignor to Taylor Fibre Company, Norristown, Pa., a corporation of Pennsylvania
Application September 7, 1944, Serial No. 552,948
9 Claims. (Cl. 154—1)



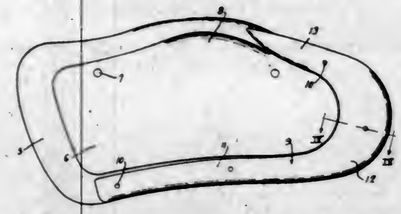
1. Apparatus for charging a mold with a plurality of elements which includes, in combination, means for supporting and continuously rotating a mold in a given direction, a magazine, means for directing a plurality of elements into a mold successively from said magazine and means for continuously rotating said last mentioned means in a direction opposite to the direction of rotation of said mold supporting and rotating means.

2,425,836
THREAD MAGAZINE
John C. Schirrmacher, Jersey City, N. J.
Application December 23, 1944, Serial No. 569,576
5 Claims. (Cl. 242—137)



1. A thread magazine or dispenser of the character described comprising enclosed means for the accommodation of a plurality of spools of multicolored threads, a screen consisting of bias and straight cut fabrics serving as an enclosure for said spools, and a plurality of colored members secured to the face of said screen, each in proximity to one of the spools and each colored to correspond with the color of its adjacent spool to serve as an indicator of the color of the thread passing through the screen from said spool.

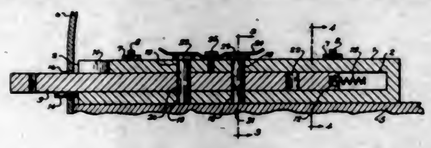
2,425,837
CUBOID SUPPORT AND HEEL RETAINER
William M. Scholl, Chicago, Ill.
Application September 4, 1944, Serial No. 552,582
3 Claims. (Cl. 36—71)



1. In a foot supporting device, a flexible cover member, and a single-piece weight supporting member attached to the underside of said cover, said member having a relatively narrow portion extending only along the outer margin of said cover from the fifth metatarsol head rearwardly beneath the calcaneo-cuboid articulation of a foot to merge into a wider portion in the form of a curvate heel seat to underlie the posterior process of the os calcis, and another relatively narrow part extending only along the inner margin of said cover to underlie the foot adjacent the astragaloscaphoid articulation.

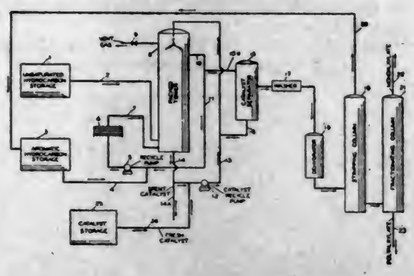
2,425,838
TRAILER HITCH
Henry F. Schultz, Flushing, Mich.
Application December 26, 1944, Serial No. 569,796
1 Claim. (Cl. 280—33.44)

A trailer hitch for use in the trunk compartment of an automobile on the floor structure of said compartment comprising an elongated bar-like housing adapted to be mounted on said structure in the longitudinal center of the compartment and having a longitudinal guideway therein provided with an open rear end, a draw bar slidably fitted in said guideway and adapted to be extended out of said rear end and compartment, and means to couple said draw bar to said housing in different extended positions comprising a pair of coupling pins, said housing having a



longitudinally spaced pair of vertically aligned openings therein, one pair for each coupling pin, said draw bar having openings therein longitudinally spaced in correspondence with the spacing of said pairs and exceeding in number by one of the pairs of openings whereby two openings in the draw bar may be registered with said pairs of openings in two extended positions of said draw bar only to receive both coupling pins in the two extended positions of said draw bar solely.

2,425,839
CATALYTIC ALKYLATION OF AROMATIC HYDROCARBONS
Walter A. Schulze and William N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application February 5, 1942, Serial No. 429,698
8 Claims. (Cl. 260—671)

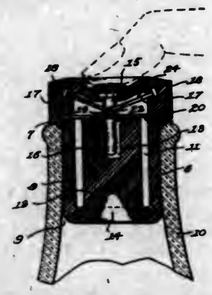


2. A process for the production of a major proportion of monoalkylbenzene derivatives which comprises introducing under reaction conditions an olefin hydrocarbon into an intimate mixture of benzene and an alkylation catalyst consisting of an addition compound of boron fluoride with a monohydric alcohol corresponding in number of carbon atoms and in molecular structure to said olefin.

2,425,840
LOWER ALKYL MERCAPTANS AS SHORT-STOPPING AGENTS IN BUTADIENE-STYRENE EMULSION POLYMERIZATION
Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 4, 1944, Serial No. 548,147
5 Claims. (Cl. 260—86.5)

1. In a process for preparing synthetic rubbery copolymers of 1,3-butadiene with styrene by copolymerization of the monomers in an aqueous emulsion in the presence of an oxidizing polymerization catalyst for a period of time sufficient to effect conversion of 50 to 80 per cent of the monomers to copolymers, the step which comprises adding from 0.1 to 5.0 per cent by weight based on the monomer content of the original charge of a compound selected from the group consisting of the alkyl mercaptans containing not more than five carbon atoms per molecule and the corresponding alkali metal mercaptides to the emulsion at the end of the polymerization period whereby additional polymerization of the monomers and cross-linking of polymer molecules are substantially prevented and a stabilized copolymer white in color and possessing improved working properties is obtained.

2,425,841
RECEPTACLE CLOSURE
Arthur L. Scott, Columbus, Ohio
Application June 3, 1944, Serial No. 538,644
5 Claims. (Cl. 215—52)

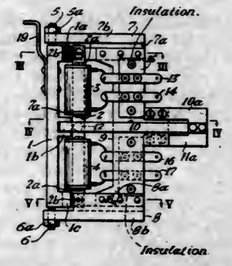


1. A removable closure for the outlets of fluid-containing receptacles, comprising an interiorly hollow body composed of a resilient flexible pressure-deformable material, said body including a lower portion adapted for insertion in the outlet of an associated receptacle, and an upper actuating portion adapted to be disposed exteriorly of said receptacle, the hollow interior of said body defining a closed chamber, a compressible fluid occupying said chamber, the upper actuating portion of said body being responsive to externally applied inwardly directed forces to assume a deformed condition decreasing the volumetric capacity of the chamber and increasing the pressure of the fluid contained therein, a retaining member carried by the upper portion of said body and disposed within the interior thereof, and releasable means for holding said member upon deformation of the upper actuating portion of said body to restrain the latter against return movement.

2,425,842
TREATMENT OF EQUIPMENT
Wilson D. Seyfried, Wooster, and James C. Schiller, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 10, 1944, Serial No. 562,918
2 Claims. (Cl. 260—680)

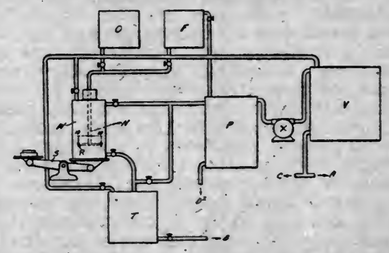
1. A method for preparing equipment for the fractionation of butadiene which comprises circulating butadiene in liquid form carrying an oxidation inhibitor capable of taking up oxygen through said equipment for a period of time sufficient to eliminate oxygen from said equipment, proceeding with the fractionation and subsequently periodically washing said equipment during said fractionation with butadiene in liquid form containing an oxidation inhibitor capable of taking up oxygen.

2,425,843
THREE-POSITION ELECTROMAGNET
Clarence S. Snavely, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 25, 1945, Serial No. 574,539
5 Claims. (Cl. 175—337)



1. A three position electromagnet comprising a magnetizable bar, two windings disposed on said bar intermediate its ends in longitudinally spaced relation, a magnetizable armature pivotally supported at its ends at one side of said bar for swinging movement about its longitudinal axis between an intermediate and two extreme positions and biased to its intermediate position, said armature being provided with three spaced projections extending toward said bar in such manner that the flux set up in said bar when said one winding is energized will traverse the middle and one outside projection to produce a torque which urges said armature to its one extreme position but that the flux set up in said bar when said other winding is energized will traverse the middle and other outside projection to produce a torque which urges said armature to its other extreme position.

2,425,844
APPARATUS FOR FILLING CONTAINERS WITH WEIGHED QUANTITY OF GASEOUS FLUID
Graydon C. Spaulding, Los Angeles, Calif., assignor to Industrial Management Corporation, Los Angeles, Calif., a corporation of California
Application November 30, 1943, Serial No. 512,391
20 Claims. (Cl. 249—2)



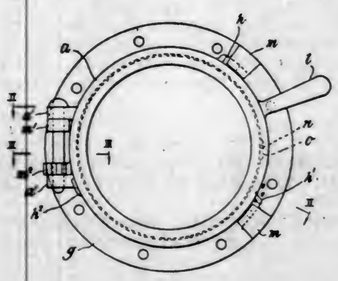
1. In apparatus for mixing fluids the combination of: a compressor; a tank connected to the intake side of said compressor; a tank connected

to the outlet side of said compressor; a tank on a weigh scale connected to each of said first mentioned tanks; a plurality of feed tanks connected to said weight scale tank, one of said feed tanks being also connected to said pressure tank; a transfer tank connected to said weigh scale tank and to each of said first mentioned tanks; and valve means between all of said tanks whereby said weigh scale tank may first be evacuated, then filled with liquids, and then emptied of said liquids.

2,425,845
MIXTURES OF POLYOXYALKYLENE DIOLS AND METHODS OF MAKING SUCH MIXTURES
Walter J. Toussaint, South Charleston, W. Va., and Harvey R. Fife, Mount Lebanon, Pa., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application April 21, 1945, Serial No. 589,646
16 Claims. (Cl. 260—615)

1. A mixture of heteric oxyethylene-oxy 1,2-propylene diols in which ethylene oxide and 1,2-propylene oxide are combined therein as oxyethylene and oxy 1,2-propylene groups in a ratio which is at least one-third part of 1,2-propylene oxide for each part of ethylene oxide, by weight; said diols containing in a single molecule both the oxyethylene and the oxy 1,2-propylene groups and said mixture having an average molecular weight of at least 300 attributable to said groups.

2,425,846
HINGED LIGHT
John Charles Frederick Trewren, Sidcup, England, assignor to J. Stone & Company, Deptford, England, a British company
Application May 16, 1944, Serial No. 535,865
In Great Britain May 21, 1943
3 Claims. (Cl. 114—178)



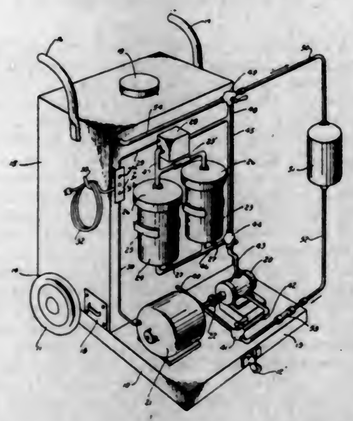
1. A hinged port light comprising, a fixed circular frame, a swingable circular frame, hinge means connecting the two frames so as to permit swinging of the swingable frame relative to the fixed frame, a wedging ring revolubly mounted on said swingable frame for circular adjustment around the latter, wedge lugs on said wedging ring, claw lugs on said fixed frame for cooperating with said wedge lugs when said wedging ring is circularly adjusted in one direction, a series of stop formations spaced around the hinge axis in a plane perpendicular to such axis, and means on said wedging ring to be brought into interlocking engagement with a selected one of said stop formations by a circular adjustment of said wedging ring after said swingable frame has been swung to an open position in which it is angularly disposed in relation to the fixed frame.

2,425,847
EYESHIELD FOR HEADGEAR
Humberto Vaca, Detroit, Mich.
Application July 7, 1945, Serial No. 603,652
5 Claims. (Cl. 2—10)



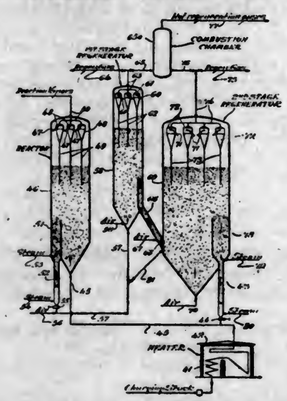
1. An eye shield for use in conjunction with a visor on a cap or the like comprising, a body piece attached to the underside of the visor, a slide member on the body piece and slidable forwardly and backwardly relative to the visor, spring means acting upon the slide member normally urging it forwardly, a shield member pivotally mounted on the slide member and movable on its pivot so as to extend downwardly from the visor and before the eyes of the wearer in operative position and to an inoperative position in proximity to the underside of the visor and generally parallel therewith, a latch for holding the slide member in its rearward position, and means for holding the shield member in its inoperative position while the latch holds the slide member in its rearward position, said means being automatically releasable upon movement of the slide member forwardly of the visor.

2,425,848
PORTABLE FLUSHING AND FILTERING UNIT
Dale Vawter, Greensburg, Pa.
Application April 2, 1945, Serial No. 586,083
5 Claims. (Cl. 210—62)



1. A compact flushing and filtering unit for flushing oil used to clean machinery comprising a base member having front and rear portions, a tank on the rear of the base member for flushing oil, a pump and pump actuating means mounted on the front of the base member, a filter element connected by a conduit with the pump, a second conduit formed by two branch pipes connected by a three-way valve running from the filter element to the machinery, a branch pipe running from the three-way valve to the tank connecting the filter element into the tank when the three-way valve is operated to close the conduit between the filter element and the machinery, a conduit formed by two branch pipes connected by a second three-way valve connecting the pump and tank, and a return conduit from the machinery connected into the second mentioned three-way valve connecting the return conduit to the pump or the tank with the pump depending upon the setting of the second mentioned three-way valve.

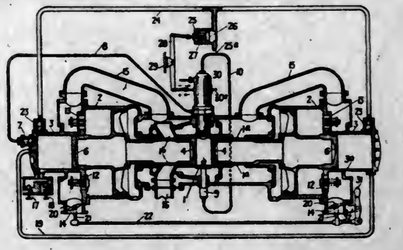
2,425,849
POWDERED CATALYST REGENERATION AND RECOVERY
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 30, 1941, Serial No. 412,964
5 Claims. (Cl. 252—242)



4. The method of regenerating a spent powdered catalyst contaminated with carbonaceous deposits which method comprises suspending said catalyst in an upwardly flowing oxygen-containing gas stream in a first regeneration zone wherein the amount of oxygen is sufficient to cause only partial combustion of said deposits and to keep the temperature of the catalyst within safe limits, producing in said first zone a gas which is substantially free from uncombined oxygen but which contains substantial amounts of carbon monoxide, separating said gas from the bulk of said catalyst, introducing the bulk of said catalyst into a second regeneration zone, suspending said catalyst in an upwardly flowing stream of oxygen-containing gas in said second reaction zone while introducing a sufficient amount of said gas at relatively low temperature into said second regeneration zone to provide a substantial excess of uncombined oxygen in the regeneration gases leaving said zone, separating regenerated catalyst from oxygen-containing gases leaving said second zone and burning in a third zone carbon monoxide in gases from said first zone with uncombined oxygen in the regeneration gases leaving said second zone.

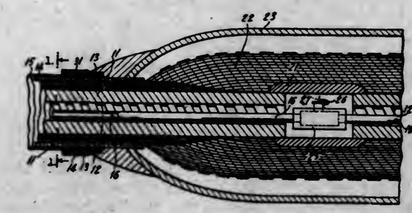
2,425,850
FREE PISTON TYPE INTERNAL-COMBUSTION COMPRESSOR
Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company
Application September 4, 1945, Serial No. 614,306
In Great Britain February 11, 1944
9 Claims. (Cl. 230—56)

1. A free piston type internal combustion compressor comprising in combination a combustion cylinder, two compressor cylinders and two cushion cylinders, two opposed free piston assemblies each consisting of a power piston, a compressor piston and a cushion piston adapted to reciprocate mechanically independently of one another in the said cylinders; variable throttle means at the inlet to the said compressor cylinders adapted to be controlled by an external regulator and to act as stroke control means; a fuel pump in fuel supply connection with the said combustion cylinder, means for operating said pump, a fuel



quantity regulator on said pump and piston stroke responsive means in operable connection with the said cushion cylinders and with the said fuel quantity regulator in a sense to reduce the fuel supply in response to excessive piston outstroke; the piston diameters and lengths of clearance space in the respective cylinders being proportioned in relation to the working pressure to give the said piston assemblies an inherent tendency to return to the inner dead centre positions which are symmetrically disposed about a chosen diametral plane through the cylinder.

2,425,851
GAS FILLED CABLE
Kenneth Sapwell Wyatt, Bronxville, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del., a corporation of Delaware
Application March 10, 1945, Serial No. 582,028
3 Claims. (Cl. 174—15)

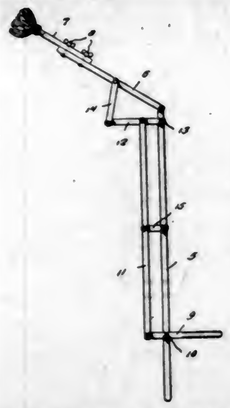


1. A gas filled cable comprising a stranded hollow conductor insulated with impregnated paper and enclosed in a reinforced lead sheath, a gas tight tube containing gas under pressure within the hollow of the conductor, one way relief valves located in the gas tight tube spaced throughout the length of the cable and communicating with the hollow of the conductor.

2,425,852
CEILING AND WALL CLEANING BRUSH
John A. Young, Beaumont, Tex.
Application November 8, 1944, Serial No. 562,471
2 Claims. (Cl. 15—49)

1. A cleaning device of the class described comprising a pole, an extension pivotally attached at one end to one end of the pole, the other

end of the pole constituting a handle, a cleaning implement including a support therefor detachably secured to the outer end of the extension, a lever having a handle pivotally attached to the pole adjacent the handle end thereof, said last-named lever having relatively long and short arms, a rod pivotally attached at one end to the short arm of said last-named lever, said rod



extending parallel to the pole, said pole and rod being movably connected intermediate their ends by a brace link, a lever pivotally attached at one end to the pole adjacent the extension, said rod being pivotally attached to the lever adjacent its pivoted end and a link pivotally connecting the other end of the lever to the extension and adapted to transmit movement of the second-named lever to the extension.

2,425,853
WHEEL SUSPENSION
Raphael Zavarella, Pittsburgh, Pa.
Application September 14, 1945, Serial No. 616,226
1 Claim. (Cl. 280—96.2)

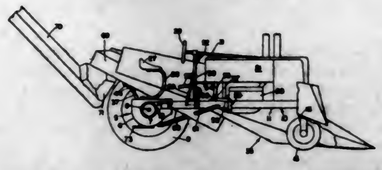


The combination with the front axle and the front wheel of a motor vehicle, of an elongated rigid axle-bar, said axle-bar being disposed horizontally at right angles with respect to the front axle, a steering knuckle joining the center of said axle-bar with the front axle, a wheel-bar carrying a spindle centrally of its length for the attachment of the front wheel therewith, said wheel-bar having its front end pivotally connected with the front end of said axle-bar, said wheel-bar being normally disposed in horizontal parallel relation with said axle-bar, a cylinder pivotally connected with the rear end of said axle-bar, a piston provided with a plurality of apertures mounted in said cylinder, a connecting rod joined with said piston and being pivotally connected with the rear end of said wheel-bar, operating fluid confined in said cylinder, a vertically disposed bracket fixed at the center of said axle-bar and carrying a pivotally supported spring plate, a bearing element fixed to said wheel-bar and carrying a pivotally supported spring plate, and a spiral spring engaged between said spring plates and operable for normally maintaining said wheel-bar in its horizontal parallel relation to said axle-bar.

2,425,854
PROPELLENT POWDER
Harvey B. Alexander, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1943, Serial No. 495,536
18 Claims. (Cl. 52—13)

1. A progressive-burning smokeless powder comprising colloided nitrocellulose, stabilizer and between about 15 and about 65% solid, organic, high explosive material, said solid explosive material being incompletely soluble and non-colloidable in the ingredients and solvents used in preparing the colloided grains, and being uniformly distributed therethrough and sufficiently finely-divided to characterize the powder by an increased burning rate, the major portion of said solid explosive material being in the form of particles capable of passing through a United States Standard Sieve No. 200.

2,425,855
SELF-PROPELLED IMPLEMENT
Norman F. Andrews, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 16, 1943, Serial No. 495,015
2 Claims. (Cl. 56—18)

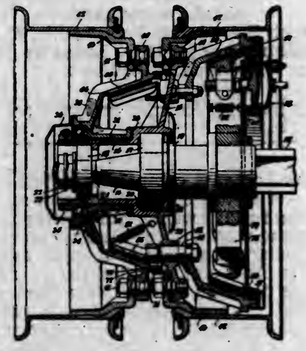


1. A self propelled harvester comprising a transversely disposed axle housing mounted on a pair of wheels at opposite ends thereof, respectively, said housing including a differential housing portion intermediate the ends thereof and a shaft projecting from said housing portion for driving said wheels, a motor frame having one end pivotally connected to said housing by means providing for rocking movement about a transverse axis spaced from the axis of rotation of said wheels, wheel means for supporting the other end of said frame, a motor mounted on said motor frame and having a drive shaft, a power transmitting shaft interconnecting said drive shaft with said differential housing shaft, said power transmitting shaft having an extensible portion and a pair of universal joints providing for rocking movement of said axle housing relative to said motor frame, and means for adjustably rocking said housing relative to said motor frame and for securing said housing rigidly to said frame in adjusted position.

2,425,856
DUAL WHEEL ASSEMBLY
Charles S. Ash, Milford, Mich.
Application May 7, 1943, Serial No. 486,014
9 Claims. (Cl. 188—18)

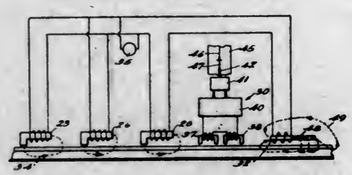
1. A dual wheel brake for coaxial, independently rotatable wheels including, in combination,

a brake member of conical form carried by the outer wheel, a second brake member of corresponding shape carried by the inner wheel and engageable with the first member, a third conical brake member carried by the inner wheel, a



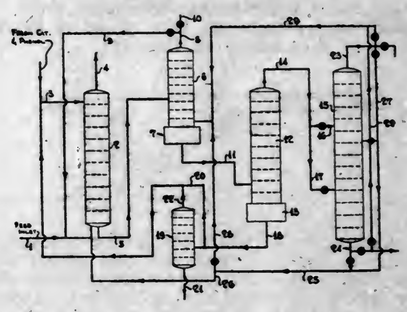
fourth member of corresponding shape engageable with the third member, and anchoring means for the fourth member including an anchored member held against rotation, and a link pivotally mounted on the anchored member and the fourth member.

2,425,857
APPARATUS FOR DETECTING FLAWS IN RAILS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Application September 24, 1942, Serial No. 503,642
4 Claims. (Cl. 175—183)



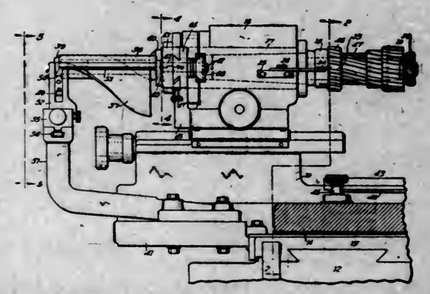
1. In an apparatus for detecting structural flaws in a rail of a railroad signal system without interfering with the function of the signal system, the combination of a first electromagnetic means movable along the rail to apply thereto a moving flux of a given polarity for subsequent detection of characteristic magnetic conditions in the vicinity of structural flaws in the rail, and a second electromagnetic means movable along the rail to apply a second moving flux to the rail, said second electromagnetic means being opposite in polarity from said first electromagnetic means and of lesser magnetic strength, said first and second electromagnetic means being electrically interconnected to cause the strength of the field of said second electromagnetic means to follow variations in the strength of the field of the first electromagnetic means whereby the variations in the counter-flux applied by the second electromagnetic means substantially follows variations in the strength of the residual magnetism created in the rail by the first electromagnetic means.

2,425,858
PROCESS FOR ISOMERIZING TERTIARY OLEFINS
Leland K. Beach, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 27, 1944, Serial No. 555,936
10 Claims. (Cl. 260—683.2)



1. Method of preparing isomers of tertiary olefins which comprises contacting a tertiary olefin having at least 5 carbon atoms to the molecule with a phenol in the presence of an alkylating catalyst at a temperature of 0 to 100° C. to obtain an alkylated phenol, separating unreacted tertiary olefin from the alkylated phenol, heating the alkylated phenol to a temperature not substantially above the boiling point of the alkylated phenol at a regeneration pressure to obtain overhead a mixture of the isomers of the tertiary olefin, and separating individually the isomers of tertiary olefins retaining one as a product and recycling the undesired isomer of tertiary olefin to the tertiary olefin phenol mixture first made.

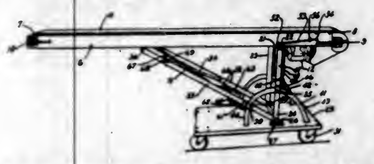
2,425,859
CUTTER GRINDER
Oscar M. Braaten, Rock Island, Ill., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application June 10, 1944, Serial No. 539,741
14 Claims. (Cl. 51—50)



9. In a cutter grinder having a work supporting spindle, means for attaching helical contour cutters to said spindle, a grinding wheel supported for two-directional movement relative to said spindle, cam means attached to said spindle for imparting rotary movement to the cutter during longitudinal movement of the grinding wheel, a pivoted lever carried by the grinding wheel support, followers attached to opposite ends of the lever, one of which coacts with said cam, addi-

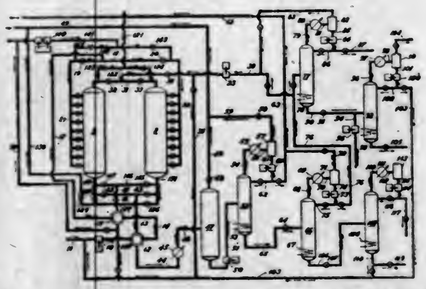
tional cam means coacting with the other follower for imparting movement to the cam during radial movement of the grinding wheel with respect to the spindle.

2,425,860
CONVEYOR
Raymond A. Brady, San Francisco, Calif.
Application September 22, 1945, Serial No. 617,941
2 Claims. (Cl. 198—121)



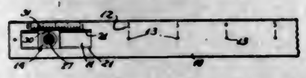
1. A conveyor structure comprising a frame, a continuous conveyor belt movable about said frame, means on said frame for moving said conveyor belt; a horizontal base, a first pair of arms hinged on said base on opposite sides thereof and engaged with said frame in a pivoted supporting relationship, a second pair of arms hinged on said base on a common hinge with first arms and on opposite sides of said base and engaged with said frame in a supporting relationship, and means for locking each arm pair in a desired position of adjustment comprising a pair of quadrants mounted on each side of said base cooperatively adjacent said arms, at least one of said quadrants having notches thereon, and locking means for engaging said notches selectively for locking said arms to at least one of said quadrants.

2,425,861
CATALYTIC CONVERSION OF MIXTURES OF ALKYL CHLORIDES AND PETROLEUM FRACTIONS
Henry Trueheart Brown and Everett Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application December 26, 1944, Serial No. 569,837
6 Claims. (Cl. 260—666)



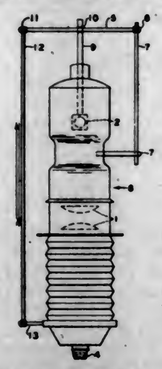
1. A process for the condensation of alkyl chlorides having less than four carbon atoms per molecule to produce hydrocarbons having a greater number of carbon atoms than the alkyl chloride treated which comprises passing a stream consisting essentially of a mixture of said alkyl chloride and a higher than gasoline-boiling petroleum fraction containing from 15 to 90 weight per cent of said alkyl chloride through a reaction zone containing a solid, metallic oxide hydrocarbon-cracking catalyst at a temperature of from about 300° C. to about 450° C. and at a rate such that from about 50% to about 80% of the alkyl chloride content of the feed mixture is converted per pass, and recovering the hydrocarbon content of the effluent stream from the reaction zone.

2,425,862
SCALE COMPASS
Joseph F. Budnick, Forest Hills, N. Y.
Application April 17, 1944, Serial No. 531,392
2 Claims. (Cl. 33—27)



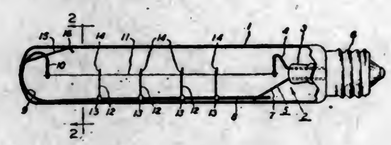
1. A scale compass, comprising a strip-like body having a slot at one end and a linear scale along one side and formed with small pencil point openings along each main linear distance on said scale, said slot being parallel to said scale, and a slide mounted in said slot and limited to move one main linear distance on said scale formed with a pencil point opening alignable with the subdivisions of the first main linear distance on said scale, and means for locking said slide against accidental shifting, including laterally disposed clamp bars mounted on said slide and having vertically projecting stems, resilient means urging said bars vertically so that said stems project beyond the bottom surface of said scale body, and said bars being engageable with teeth or serrations formed on said body when the stems are retracted by pressure of the scale body on a supporting surface to prevent shifting of said slide.

2,425,863
LIGHT PROJECTION APPARATUS
Frank E. Carlson, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application May 18, 1945, Serial No. 594,512
1 Claim. (Cl. 88—24)



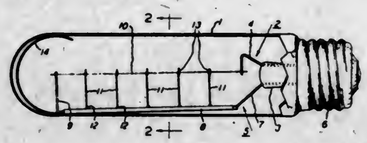
In a photographic enlarger comprising a housing supporting a light source and a projection lens in spaced relation on separately and axially movable mounts and supporting also condenser lenses between said source and said projection lens for focusing an image of said source in said projection lens, linkage means comprising a lever having one end pivoted on said housing, its free end coupled to the mount for the projection lens and a portion between its ends coupled to the mount for said source whereby the said mounts are movable axially and simultaneously in the same direction but at different rates such that the image of the source remains focused on the projection lens as the latter is moved.

2,425,864
FILAMENT SUPPORTING STRUCTURE FOR INCANDESCENT LAMPS
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 19, 1946, Serial No. 704,375
7 Claims. (Cl. 176—39)



1. An electric incandescent lamp comprising a bulb having a tubular portion, an elongated filament within said bulb extending longitudinally of the tubular portion thereof, an elongated lead-in wire projecting into the bulb substantially the full length of said filament and adjacent one side of the said tubular bulb portion, said lead-in wire being connected at its far end to the adjacent end of the filament, and a spring finger secured at one end to the far end of said lead-in wire and yieldingly engaging the side of said tubular bulb portion opposite the side adjacent said lead-in wire to thereby resiliently hold said lead-in wire firmly against the said adjacent side of the tubular bulb portion.

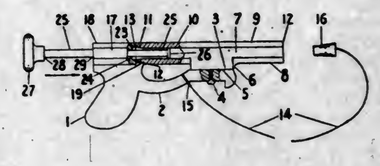
2,425,865
FILAMENT SUPPORTING STRUCTURE FOR INCANDESCENT LAMPS
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 19, 1946, Serial No. 704,376
9 Claims. (Cl. 176—39)



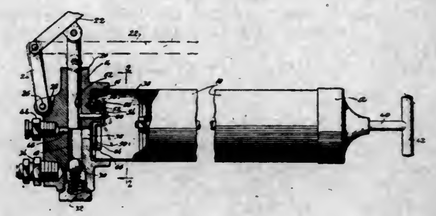
1. An electric incandescent lamp comprising a bulb having a tubular portion, an elongated filament within said bulb extending longitudinally of the tubular portion thereof, and an elongated rigid lead-in conductor extending into the bulb substantially the full length of said filament and adjacent one side of the said tubular bulb portion, said conductor being connected adjacent its far end to the adjacent end of the filament and being provided at its far end with a flexible extension engaging the side of said tubular bulb portion opposite the side adjacent said conductor to thereby resiliently hold said conductor firmly against the said adjacent side of the tubular bulb portion.

2,425,866
POPGUN
Edward R. Conklin, Wauseon, Ohio
Application June 5, 1944, Serial No. 538,813
2 Claims. (Cl. 124—13)

1. A pop gun comprising a grip with a forward extension, there being a minor barrel section fixed with the grip and terminating adjacent a seat portion toward the extension, a major barrel section medially of its length pivotally mounted on the extension for either end thereof to be swung into said seat portion thereby to align the bores of the respective barrel sections, said minor barrel section having an annular seat therein open toward and in alignment with the major barrel section, and a ramrod extending thru the minor barrel section and having at its end an enlargement adapted to be retracted into said seat to be clear of the major barrel section swinging.



2,425,867
LUBRICATING APPARATUS
Ernest W. Davis, River Forest, Ill.
Application September 20, 1945, Serial No. 617,545
8 Claims. (Cl. 222—231)

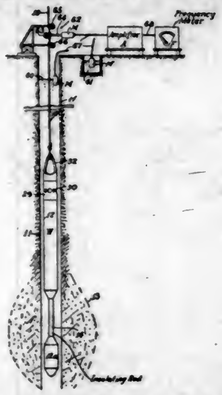


7. In a grease gun, the combination of a head having a feed cylinder, a plunger reciprocable therein, a grease reservoir adjoining the head, said head having a pocket and a port leading from said pocket through which port the grease moves from the interior of the reservoir into said cylinder, a check valved outlet for said cylinder, means to reciprocate the plunger, a member having an area approximating the cross-sectional area of said pocket and mounted in the reservoir adjacent said port and movable into and out of the pocket for compacting the grease in and around the port, and means for so moving said member when the plunger is reciprocated.

2,425,868
METHOD AND APPARATUS FOR LOGGING DRILL HOLES
Lyle Dillon, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 28, 1936, Serial No. 98,355
21 Claims. (Cl. 177—352)

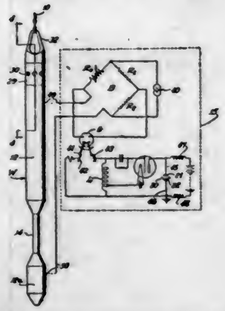
1. A method for transmitting indications of physical conditions within a bore hole to the earth surface comprising varying the characteristics of an electric current in accordance with a function of the said physical characteristics in the bore hole, converting said electric current into mechanical vibrations of a character corre-

sponding to the character of said current and detecting and receiving said vibrations at the



earth surface whereby the physical conditions within the bore hole may be determined.

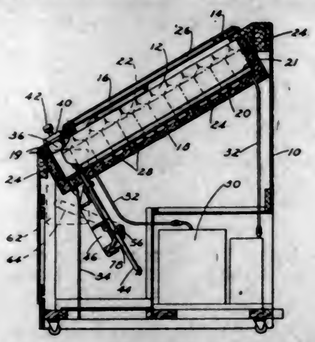
2,425,869
METHOD AND APPARATUS FOR LOGGING DRILL HOLES
Lyle Dillon, San Gabriel, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 28, 1936, Serial No. 98,355. Divided and this application June 5, 1943, Serial No. 489,769
14 Claims. (Cl. 177—352)



13. Method of transmitting resistivity data from a sub-surface prospecting instrument to surface apparatus that comprises creating an electrical oscillation at the prospecting instrument, altering said oscillation in accordance with resistivity data from said instrument, translating the electrical oscillation into mechanical vibrations, transmitting the vibrations to the surface, analyzing the vibrations at the surface to obtain the desired resistivity data, and operating the indicating apparatus in accordance therewith.

2,425,870
VENDING MACHINE
Charles H. Dixon, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 23, 1943, Serial No. 507,355
8 Claims. (Cl. 312—67)

8. A cabinet having an aperture therein, a box-like receptacle having closed ends and an open side, said receptacle being dimensioned to slide endwise through said aperture and substantially plug the same, means for limiting the movement of said receptacle to a shift between two alternate positions in one of which said side opening is exposed exteriorly of said cabinet and in the



other of which said side opening is located within said cabinet, and an inclined chute within said cabinet for supporting a series of articles to be purchased to slide sideways by gravity toward said receptacle for entry of the foremost of the series into said side opening when said receptacle is in its second mentioned limit position.

2,425,871
SAFETY WIRE TWISTING APPARATUS
Herman H. Eichorst, San Diego, Calif.
Application May 8, 1945, Serial No. 592,597
7 Claims. (Cl. 140—149)



1. In a safety wire twisting apparatus of the class described, the combination of a handle, a shaft in connection therewith having a bit portion on the extended end thereof provided with slotted portions on the opposite sides thereof, a hollow cylindrical wire chuck pivotally mounted on said shaft and bifurcated at one end facing said bit portion, a chuck clamping bolt arranged to force said bifurcated portions together for gripping wire therebetween.

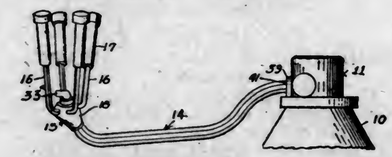
2,425,872
COMBINATION COLLAR PIN
Audre C. Forsland, Virginia, Minn.
Application August 5, 1946, Serial No. 688,465
6 Claims. (Cl. 2—132)

1. A clasp and stay device for holding the flaps and points of a collar in shape, comprising a clasp adapted to engage the flaps, stay arms adapted to fit inside the flaps and downwardly engage the points, a sleeve on each stay arm, and



each sleeve having an apertured ear, and the ends of the clasp being pivotally connected to the ears on the respective stay arms.

2,425,873
CLAW ASSEMBLY FOR MILKING MACHINES
Frederick A. Gessler, Des Moines, Iowa, assignor, by mesne assignments, to Globe Milker, Inc., Des Moines, Iowa, a corporation of Illinois
Application March 12, 1945, Serial No. 582,224
3 Claims. (Cl. 31—83)



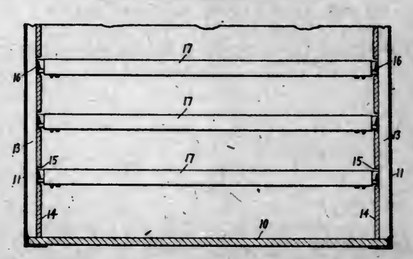
1. In combination, a milker claw having a projected milk outlet and a plurality of air passage extensions relatively spaced about said milk outlet and an integral conduit member having a milk passage and air passages therein open to one end of said conduit and arranged at said one conduit end in a spaced relation corresponding to the spaced relation of said milk outlet and air passage extensions, with said one end of the conduit providing socket openings in a common plane in the end face thereof for receiving said milk outlet and air passage extensions therein.

2,425,874
SAVINGS BANK
Kenneth J. Gray, Pasadena, Calif.
Application September 30, 1944, Serial No. 556,509
4 Claims. (Cl. 232—5)



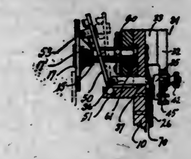
1. A savings bank of the character described, including a vertical hollow column having an inlet adjacent the upper end thereof for receiving one coin at a time of a selected size and value, a level base for said column on which the first coin deposited therein will lie, a flange element of said base extending outwardly from said column in the same plane therewith, said flange being wide enough to afford standing room thereon for portions at least of the feet of a child associated with the column for the purpose set forth, two diametrically positioned lengthwise slots in the wall of said column narrower than the thickness of the selected coins deposited in said bank, said slots permitting the insertion of a thin straight, stick-like member through said column while resting on the topmost coin in said bank for determining without calculations when the stack of coins in said column is of the same height as that of the child associated with said savings bank.

2,425,875
CARGO BRACE
Edward O. Hermann, Mill Valley, Calif.
Application April 15, 1946, Serial No. 662,185
14 Claims. (Cl. 105—369)



1. Cargo bracing means for freight vehicles comprising parallel tracks mounted on opposite walls of the vehicle, a brace in the form of a bar extending across the vehicle between said tracks and mounted slidably thereon, track engaging members at the ends of said brace, at least one of said members being movable endwise of the brace to compensate for irregularities in the distance between said tracks, a spring resiliently connecting said movable member with the brace to resist said endwise movement, and means on the brace engageable with the tracks to lock said brace against sliding movement along said tracks.

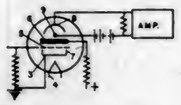
2,425,876
SAW SET
David W. Hively, Seattle, Wash.
Application October 2, 1945, Serial No. 619,868
4 Claims. (Cl. 76—68)



1. A saw set of the character described comprising a frame structure, a tooth setting anvil mounted therein, a tooth setting hammer reciprocally mounted in the frame structure for endwise movement toward and from the anvil, means associated with the frame structure for mounting a saw in a manner permitting advance movements thereof without change in setting relative

to the hammer, whereby teeth thereof may be brought successively into position between the anvil and hammer for setting thereby, a crank shaft rotatably mounted in the frame structure, a slide bar reciprocally mounted in the frame structure for movement parallel with the line of advancement of the saw, a cam wheel and an eccentric on the crank shaft, a lever pivotally mounted in the frame and engaged with the cam wheel for actuation thereby and engaged with the hammer to move it toward the anvil for a tooth setting operation, means on the slide bar and engaging the eccentric to cause reciprocal action of the slide with rotation of the shaft in synchronism with the hammer action, and a pawl on the slide arranged to engage with teeth of the saw to advance the saw a definite interval while the hammer is being retracted from the anvil, said hammer and anvil having beveled surfaces to engage opposite sides of the tooth to set it, and said anvil being adjustable in a direction toward or from the point of the tooth to determine the amount of set.

2,425,877
GLOW AND SLOW ACTING TUBE
John H. Homrighous, Oak Park, Ill.
Application June 24, 1944, Serial No. 541,941
4 Claims. (Cl. 250—41.5)



2. An electron tube comprising a cathode capable of emitting electrons, and a luminescent coated anode, means for heating the said cathode to drive off electrons, a shield electrically connected to said cathode for directing said electrons toward said anode, a source of current connected between the said anode and the said cathode to produce a flow of current therebetween to cause the said anode to glow, and a control electrode surrounding said cathode capable through applied signals to vary the current flow from said anode to said cathode.

2,425,878
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 8, 1944, Serial No. 543,999
6 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a metal of the rare earth metal group in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form an active catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde to the corresponding acid by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,425,879
OXIDATION OF ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 8, 1944, Serial No. 544,000
4 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of silver in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form an active catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde to the corresponding acid by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,425,880
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 8, 1944, Serial No. 544,001
5 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a group II metal selected from the group consisting of cadmium, mercury and zinc in an alaphatic acid with an aldehyde and a gaseous oxidizing medium to form an active catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde to the corresponding acid by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

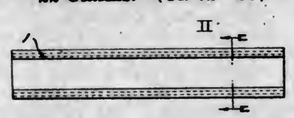
2,425,881
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 8, 1944, Serial No. 544,002
6 Claims. (Cl. 260—531)

1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a group IV metal selected from the group consisting of tin, lead, thorium, titanium, germanium, zirconium, and hafnium in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form an active catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,425,882
OXIDATION OF LOWER ALIPHATIC ALCOHOLS
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 8, 1944, Serial No. 544,003
6 Claims. (Cl. 260—531)

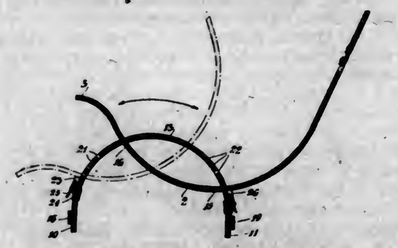
1. A process for the direct oxidation of a lower aliphatic alcohol to obtain the corresponding aliphatic acid, which comprises treating a solution of a metal ion of a group V metal selected from the group consisting of vanadium, bismuth, tantalum, antimony, arsenic and columbium in an aliphatic acid with an aldehyde and a gaseous oxidizing medium to form an active catalyst solution, introducing material amounts of a lower aliphatic alcohol and a lower aliphatic aldehyde into the activated catalyst solution, oxidizing the alcohol of the resulting solution of catalyst, alcohol and aldehyde to the corresponding acid by treating said solution with a gaseous oxidizing medium, maintaining the temperature of the solution of catalyst, alcohol and aldehyde during its treatment with the gaseous oxidizing medium such that the solution is maintained in the liquid phase, and subsequently recovering the aliphatic acid produced.

2,425,883
CONCRETE STRUCTURAL ELEMENT REINFORCED WITH GLASS FILAMENTS
John G. Jackson, Detroit, Mich.
Application August 8, 1941, Serial No. 405,987
22 Claims. (Cl. 72—59)



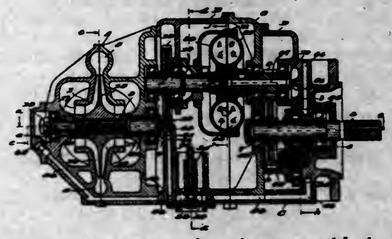
3. A structural member formed of Portland cement and provided with concentrated reinforcement in the form of a solid bar embedded therein, said bar being constituted by a consolidated group of fine glass filaments bonded together into a substantially rigid mass having substantial tensile strength.

2,425,884
CHAIR
Webster E. Janssen, Bronxville, N. Y.
Application April 24, 1943, Serial No. 484,369
8 Claims. (Cl. 155—116)



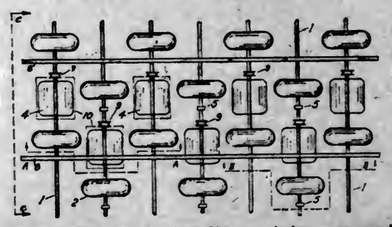
4. A chair including in combination a pair of stationary arches spaced from each other and having their extremities disposed to form the feet of the chair, and a seat member having spaced apart openings near the rear and front of the seat through which said arches pass, said openings being on either side of the top of said arches, the seat being angularly movable along the arches by means of the travel of said openings along the curvature of said arches.

2,425,885
CENTRIFUGAL COMPRESSOR
Irving Callender Jennings, South Norwalk, Conn.
Application July 16, 1943, Serial No. 495,047
13 Claims. (Cl. 230—11)



4. In a unitary supercharging assembly including a driven shaft housing, a drive shaft housing, and an intermediate shaft housing, a high speed centrifugal compressor mounted in the driven shaft housing, step-up gearing for said compressor including a fluid coupling in the intermediate shaft housing, means including a pump in the drive shaft housing for supplying oil under pressure to said gearing and said fluid coupling, and means subject to the pressure developed by said compressor for regulating the effective volume of fluid in said fluid coupling.

2,425,886
LAUNCHING AND LANDING OF LAND-BASED AIRPLANES
Samuel S. Knox, Long Beach, Calif.
Application February 26, 1945, Serial No. 579,777
4 Claims. (Cl. 244—114)



1. A mechanized landing strip comprising rotatably mounted and parallel substantially horizontal shafts, said shafts being arranged at 90° to the center line of the landing strip, resilient tired wheels on said shafts, and spaced safety rails fixedly mounted above said shafts, and extending parallel to the center line of the landing strip, and for the entire length of said landing strip.

2,425,887
END FIRE DIRECTIVE ANTENNA
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1942, Serial No. 460,201
10 Claims. (Cl. 250—11)

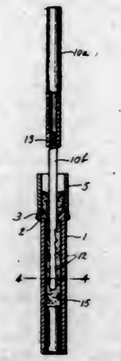
1. A directive antenna system including a row of radiators arranged parallel to one another in

a single plane, said radiators being so spaced that the direction of maximum response of said system lies substantially in a line normal to the axis of said radiator, said radiators being coupled at equal intervals along a transmission line carrying high frequency energy, said couplings being such



that the energy on such line is divided equally among said radiators, the dimensions of said transmission line varying along its length to provide a characteristic impedance which increases in a predetermined manner from one end to the other.

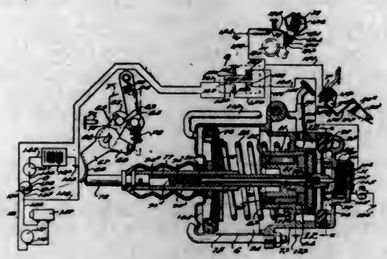
2,425,888
CIGARETTE MAKER
Arch R. Matteson and Philip G. Hebner, Seattle, Wash.
Application January 22, 1945, Serial No. 573,893
2 Claims. (Cl. 131—70)



2. In a device of the character described, a mold having a tubular mold chamber therein for containing a paper tube snugly therein, and open to its full diameter at one end to receive said tube, and having a funnel-shaped opposite end opening that is restricted by an annular shoulder within that end of the chamber against which shoulder a paper tube placed in the chamber for filling, may be protectively engaged while being filled with tobacco passed through said restricted opening, and a sleeve slidably mounted on the mold and adjustable therealong to a position extended beyond that end containing the funnel shaped opening to serve as a tobacco containing hopper.

2,425,889
POWER TRANSMISSION CONTROL MEANS
Victor E. Matulaitis, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 11, 1941, Serial No. 410,393
11 Claims. (Cl. 74—472)

1. A power transmission for driving a vehicle having an engine provided with an ignition system and a throttle; a transmission drive-controlling element operable from a first position to a second position for effecting a step-up change in the transmission drive speed ratio and from said second position to said first position when operation of said ignition system is interrupted to relieve thrust at said element; a reciprocatory thrust member movable in a direction of thrust transmission from a first position thereof to a second position thereby to effect operation of said element from its said second position to its said first position, said thrust member being movable in a return direction from its said second position to its said first position to accommodate movement of said element to its said second position; power operating means for moving said thrust member from its said second position to its said first position; electromagnetic means comprising a flux-generating holding coil adapted, when energized, to releasably hold said thrust member in its said first position and, when de-energized, to release said thrust member for movement thereof to its said second position; a spring biasing said thrust member toward its said second position; a governor switch; means for controlling opening and closing of said governor switch as a function of vehicle drive speed such that said governor switch will close in response to bringing the vehicle to rest and will open in response to predetermined speed of drive of the vehicle; a kickdown switch biased to open position; an accelerator pedal for controlling operation of said throttle; means controlled by said pedal for closing said kickdown switch in response to movement of said pedal in throttle-opening direction; an ignition interrupter switch; means operable as a function of movement of said thrust member for controlling said interrupter switch such that said interrupter switch is closed when said thrust member is in its said first position and such that said interrupter switch opens in response to predetermined movement of said thrust member in its said thrust transmitting direction; relay means comprising an energizable controlling relay coil; a pair of parallel arranged electric circuits each including a source of electrical energy and said relay coil, one of said pair of parallel arranged circuits including said governor switch and the other including said kickdown switch; an ignition grounding circuit including said relay means and said interrupter switch; and electrical holding coil circuit means adapted for control by said relay means and including said holding coil; said relay means being so constructed and arranged as to function, under control of said relay coil, to control said ignition grounding circuit and said holding coil circuit means.



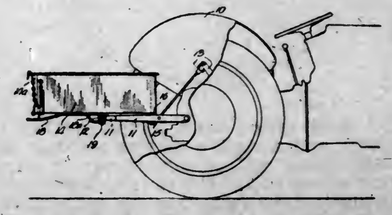
2,425,890
POWER TRANSMISSION CONTROL MEANS
Victor E. Matulaitis, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 11, 1941, Serial No. 410,394
17 Claims. (Cl. 74—472)

1. A power transmission for driving a vehicle having an engine provided with an ignition system and a throttle; a transmission drive-controlling element operable from a first position to a second position for effecting a step-up change in the transmission drive speed ratio and from said second position to said first position when operation of said ignition system is interrupted to relieve thrust at said element; a reciprocatory thrust member movable in a direction of thrust transmission from a first position thereof to a second position thereby to effect operation of said element from its said second position to its said first position, said thrust member being movable in a return direction from its said second position to its said first position to accommodate movement of said element to its said second position; power operating means for moving said thrust member from its said second position to its said first position; electromagnetic means comprising a flux-generating holding coil adapted, when energized, to releasably hold said thrust member in its said first position and, when de-energized, to release said thrust member for movement thereof to its said second position; a spring biasing said thrust member toward its said second position; a governor switch; means for controlling opening and closing of said governor switch as a function of vehicle drive speed such that said governor switch will close in response to bringing the vehicle to rest and will open in response to predetermined speed of drive of the vehicle; a kickdown switch biased to open position; an accelerator pedal for controlling operation of said throttle; means controlled by said pedal for closing said kickdown switch in throttle-opening direction; an ignition interrupter switch; means operable as a function of movement of said thrust member for controlling said interrupter switch such that said interrupter switch is closed when said thrust member is in its said first position and such that said interrupter switch opens in response to predetermined movement of said thrust member in its said thrust transmitting direction; relay means comprising an energizable controlling relay coil; a pair of parallel arranged electric circuits each including a source of electrical energy and said relay coil, one of said pair of parallel arranged circuits including said governor switch and the other including said kickdown switch; an ignition grounding means adapted for control by said relay means and including said interrupter switch; electrical holding coil circuit means adapted for control by said relay means and including said holding coil; said relay means being so constructed and arranged as to function, under control of said relay coil, to control said ignition grounding means and said holding coil circuit means; a time delay relay comprising, a pair of relatively engageable time delay relay points interposed in said ignition grounding means, means biasing said time delay relay points into relative disengaging relation, and an energizable time delay relay coil for effecting relative engagement of said time delay relay points; and circuit means for said time delay relay coil for maintaining said time delay relay points relatively engaged for only an appreciable predetermined time interval in response to closing of either of said governor or kickdown switches.

2,425,891
REFRACTORIES AND METHOD OF MAKING
John Charles McMullen, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application January 12, 1946, Serial No. 640,983
12 Claims. (Cl. 106—63)

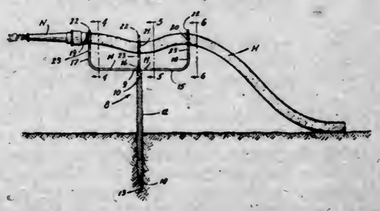
1. A fired refractory insulating article consisting essentially of silica of 400 mesh size and finer, the non-volatile constituents of 10 to 35% by weight of calcium sulphate hemihydrate and 1 to 5% of an alumino-silicate flux.

2,425,892
PICKUP BED FOR TRACTORS
John I. Michaels, Wichita, Kans.
Application May 21, 1945, Serial No. 594,893
3 Claims. (Cl. 224—29)



1. A pickup bed for a tractor equipped with a tension link drawbar assembly, comprising a box-like receptacle, brackets mounted beneath the receptacle engageable with the tension links, and means for removably securing said receptacle to said drawbar, said means comprising a longitudinal member beneath the receptacle, a bracket formed at one end thereof adapted to engage the tractor drawbar, said drawbar, longitudinal member, bracket and receptacle having registering holes, and a pin insertable in said holes to hold the assembly in position.

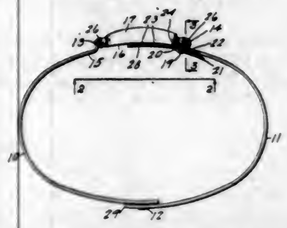
2,425,893
GARDEN HOSE HOLDER
William J. Molitor, St. Louis, Mo.
Application June 7, 1945, Serial No. 598,045
3 Claims. (Cl. 248—87)



1. A device of the character described including means for attaching same to the ground comprising a vertical stem portion terminating in a prong, means for supporting a pair of resilient hose receiving and retaining clamps in a selected

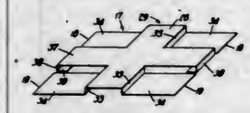
plane comprising a pair of oppositely extending horizontally disposed members formed at right angles to the stem at the upper end thereof, an upstanding vertical arm in spaced relation relative said stem carried by each horizontal member, a reversely bent loop portion connecting each clamp with one of said upstanding vertical arms, and means for supporting a resilient hose receiving and retaining clamp located intermediately said pair of clamps in a selected plane offset both vertically and horizontally from that selected for said pair of clamps comprising a vertical arm extending upwardly from said stem at the upper end thereof, and a reversely bent loop portion connecting said intermediate clamp with said arm.

2,425,894
WRIST-WATCH BAND
Kern A. Moyer, San Francisco, Calif.
Application October 16, 1945, Serial No. 622,619
2 Claims. (Cl. 224—4)



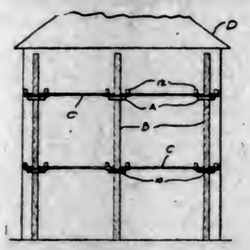
1. A wrist watch band comprising two band members, and a pintle-receiving member having a pintle sleeve and adjustable on the terminal portion of one end of one of said band members, and a pintle sleeve formed on one end of the other band member, said one of said band members having a series of transverse slots formed in said terminal portion, and said pintle receiving member including a tongue insertible through any selected one of said slots and including means releasably locking the tongue in the slot, for adjustability of the pintle receiving member on the band.

2,425,895
PACKAGE UNIT FOR ENVELOPES AND PAPER
Elmer G. Overly, Oakmont, Pa.
Application January 10, 1944, Serial No. 517,625
16 Claims. (Cl. 206—63)



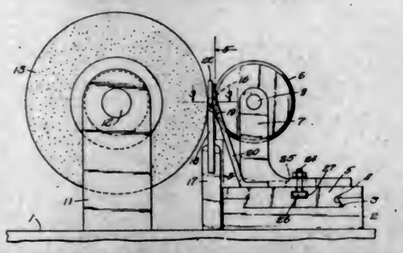
9. The combination with a stationery box adapted to hold two packs of envelopes side by side, of an insert for said box folded from a single sheet to form an intermediate pack separating section defining upstanding walls, said insert having two bottom substantially horizontal sections on which the two packs on opposite sides of said upstanding walls are adapted to be supported respectively, and having two band sections, each having a substantially horizontal top portion adapted to extend over a corresponding envelope pack, an intermediate upstanding portion adapted to extend along one side of said latter pack, and an end tab portion adapted to extend under said latter pack.

2,425,896
SCAFFOLD BRACKET
Vesero F. Page, Seattle, Wash.
Application July 6, 1946, Serial No. 681,726
1 Claim. (Cl. 304—10)



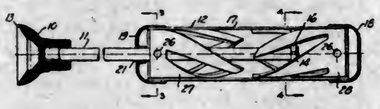
In a bracket for scaffolds, comprising a bar of angle iron built into a plurality of angular lines integrally arranged in an A frame for horizontal attachment to the sides of a building, and having a top web horizontally disposed around the top of the frame for supporting floor boards for workmen and material for the building, and having another web vertically positioned beneath the top web for rigidly supporting a relatively heavy load, by a relatively light weight of metal for the bracket, the outer closed end of the frame being rectangularly shaped for a seat for a post for supporting the outer end of the bracket, feet on the inner ends of the frame one being turned upward at right angles to the top of the bracket, and the other being turned horizontally substantially at right angles with the edges of the bracket, both said feet being provided with holes therethrough for nails for attachment of the feet to the outer walls of said building.

2,425,897
CENTERLESS GRINDING MACHINE
Axel T. Peterson, New Lenox, Ill., assignor to Wm. E. Pratt Mfg. Co., a corporation of Illinois
Application July 20, 1945, Serial No. 606,197
6 Claims. (Cl. 51—103)



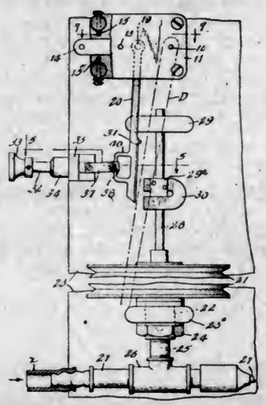
6. A centerless grinding machine, comprising, a grinding wheel, a stationary work rest having a work supporting blade fixed thereon, a movable table, a work carrier blade, a bracket fixed to said table and to said work carrier blade, a regulating wheel, and bearing means upon which the regulating wheel is rotatably mounted, the table, bracket, work carrier blade, regulating wheel and bearing means all being movable together as a unit, said bearing means being both longitudinally and laterally adjustable with relation to the movable table, the work carrier blade being formed in its lower edge with a slot adapted to receive and carry the work along the face of the grinding wheel and along the stationary work rest.

2,425,898
VALVE GRINDER
Austin Benjamin Riegel, San Francisco, Calif.
Application March 25, 1947, Serial No. 737,058
13 Claims. (Cl. 51—29)



1. In a device of the character described, a valve engaging member, a shaft secured to said valve engaging member, a spider secured to said shaft, a handle adapted to reciprocate with respect to said shaft, a plurality of cam tracks associated with said handle and adapted to engage said spider to cause oscillation of and progressive advance of said valve engaging member.

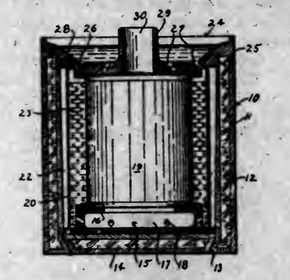
2,425,899
CONTROL DEVICE FOR APPARATUS FOR RECORDING CIRCULATORY CONDITIONS
Arthur L. Sheiffele, Chicago, Ill., assignor to William J. Cameron, Chicago, Ill.
Application August 6, 1943, Serial No. 497,638
9 Claims. (Cl. 128—2.05)



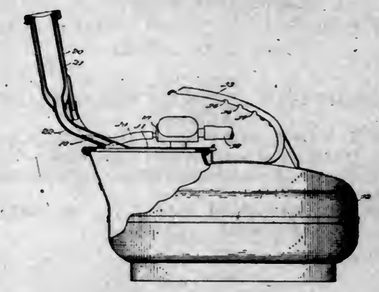
1. Apparatus for recording conditions of the circulatory system embodying movement amplifying mechanism; a pressure-responsive device below said mechanism; and means adapted to connect and disconnect said mechanism with respect to said device, said means embodying a magnet moved up and down by said pressure-responsive device; an oscillating member supported pendently from a portion of said amplifying mechanism, the free lower portion of said member adapted for movement into and out of the field of said magnet; and manually actuated control means for moving the lower portion of said oscillating member, said control means being constructed and arranged to be released from said oscillating member when said member is in the field of said magnet.

2,425,900
HEATED FOOD PACKAGE
Ray L. Steven, Los Angeles, Calif.
Application May 12, 1944, Serial No. 535,285
2 Claims. (Cl. 126—263)

1. A heated food package as described comprising an insulating shell having a cavity to receive a food container, a food container in said cavity, a chemical cartridge around said container, a wall forming an expansion chamber between said cartridge and said shell, and a cover and receptacle element for water having aperture means to convey water to the chemical cartridge, said cover having a neck adapted to expose a portion of the top of the food container for puncturing.



2,425,901
MILKER NIPPLE
Chester A. Thomas, Crystal Lake, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application August 2, 1946, Serial No. 688,053
In Canada May 2, 1946
5 Claims. (Cl. 31—58)

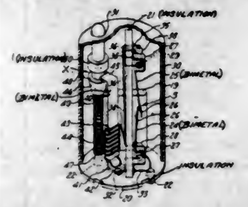


1. A milking bucket structure having integral therewith a nipple to provide a flow controlling connection between the the bucket and a flexible tube, comprising a rigid tubular member having its longitudinal axis in a straight line throughout its extent, said member having a cylindrical portion having the end face at one end thereof in a plane at an angle other than a right angle to the longitudinal axis and the outer edges of said end being so constructed and arranged that the maximum distance from edge to edge on the minor axis is greater than the exterior diameter of the cylindrical portion of the nipple, the walls of the tube at said end being of a thickness not appreciably different than the thickness of the walls throughout the remainder of the tube.

2,425,902
STARTING CONTROL FOR ELECTRIC DISCHARGE DEVICES
Mark A. Townsend, Lubbock, Tex., assignor to General Electric Company, a corporation of New York
Application June 8, 1943, Serial No. 490,048
7 Claims. (Cl. 200—122)

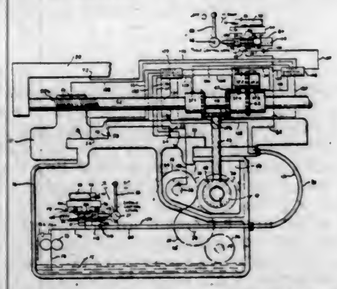
1. In starting means for a discharge lamp including a starting circuit that is interrupted to

start the discharge in said lamp and also comprising an automatic starter to be connected in the starting circuit for making and breaking the same, the combination with a casing for said starter having an opening in its end wall, of a base member for supporting said casing, a switch in said casing to be connected in series with said starter for also interrupting the starting circuit, said switch comprising longitudinal support and guide means supported by said base member independently of said automatic starter, a switch contact and latching device slideable along said



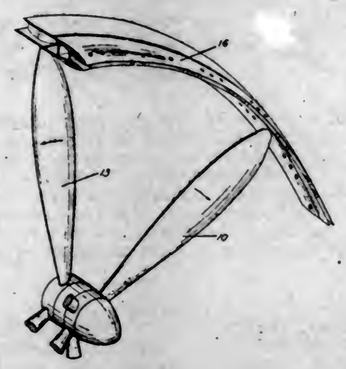
last-mentioned means, an operator for said device movable inward and outward through the casing end wall opening, a spring for urging said device along the support and guide means toward said end wall, a thermostatic latch having switch contact and latch means for engaging said device and retaining it against the action of said spring, and a heater for connection in series with said automatic starter for heating said thermostatic latch and releasing it in response to heat accumulation during repeated operation of the starter.

2,425,903
LUBRICATING SYSTEM FOR MILLING MACHINES
Edgar D. Vancil and Fred A. Hassman, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 29, 1944, Serial No. 528,645
14 Claims. (Cl. 90—21)



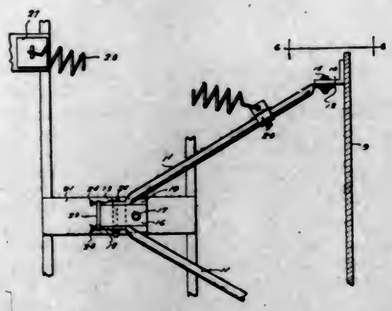
1. In a machine tool having a frame, a plurality of actuable members movably mounted on said frame, actuating means for moving said members, and a control means for each of said members to effect movement or arrest movement thereof by said actuating means, the combination in a lubricating system for supplying lubricant to said members and said actuating means of lubricant fluid distributing means rendered effective by the operation of any of said control means to distribute lubricant fluid to said actuating means, and means actuable by the operation of a particular one of said control means to supply lubricant fluid solely to the particular member operated by said control means.

2,425,904
TURBINE
James B. Vernon, Marion, Iowa
Application November 29, 1941, Serial No. 420,971
5 Claims. (Cl. 170—135.5)



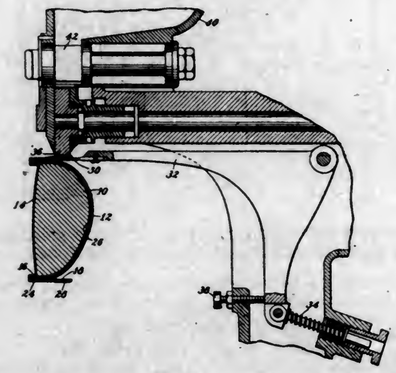
1. In an aircraft propelling means, a power ring consisting of a series of combustion chambers formed by relatively flat walls of the ring being tapered towards each other and having angular partitions therein, a turbine adjacent to the power ring, gearing means driven by said turbine and a propeller connected with said gearing means, and means to disengage the turbine from its connection with the gearing means.

2,425,905
OVERHEAD AND SWINGABLY MOUNTED BALANCED DOOR
Anthony Eugene Violante, Detroit, Mich.
Application December 1, 1944, Serial No. 566,089
3 Claims. (Cl. 20—16)



1. In a structure of the class described, a building wall, a block, means for pivotally connecting the block on the wall at a point between its center and one of its ends, a pair of duplicate arms secured to the door and having flattened slotted portions resting on the upper and lower surfaces of said block at points between the center and the opposite ends of the block, a bolt passing through the slotted portions of the arms and the block to transmit the load of the door to the block at a point beyond the center of the block, spring means connected to an intermediate portion of an arm, and an adjustable connection between the outer ends of said arms and the door.

2,425,906
MAKING SHOES WITH PLATFORMS AND COVERS
Nathan Waldman, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 2, 1945, Serial No. 597,215
1 Claim. (Cl. 12—142)



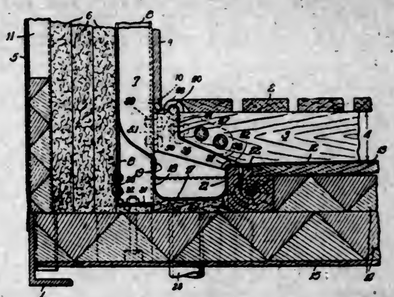
The method of making shoes of the slip-lasted type, which consists in assembling a shoe upper, a sock lining and a platform cover by joining them around the lower peripheral edge of the upper, said cover overlying the upper and extending upwardly from the bottom of the shoe, inserting a last in the shoe, applying a coating of cement to the free marginal portion only of the outside of this upstanding cover which will overlie the bottom of the shoe, applying a coating of cement to the sock lining, drying said cement coatings substantially simultaneously, attaching a precoated platform sole, turning down the cover including the cemented marginal portion thereof and laying it over upon the bottom of the platform sole and attaching an outsole.

2,425,907
METHOD OF WASHING GLASS SURFACES AND COMPOSITION
Walter F. Wegst and Leslie R. Bacon, Wyandotte, Thomas H. Vaughn, Grosse Ile, and Duncan J. Crawford, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application February 10, 1944, Serial No. 522,190
2 Claims. (Cl. 252—156)

2. A method of washing glass objects and objects with ceramic surfaces comprising the step of contacting the object with a heated aqueous solution of approximately 3% by weight NaOH content, and inhibiting the corrosive attack of the NaOH on such objects by incorporation in such solution 3.9–6.6% by weight of the NaOH present, on the anhydrous basis, of a water-soluble chloride of a metal selected from the group consisting of Sr, Ba, Sn, Sb and Bi.

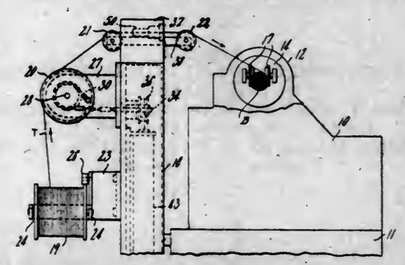
2,425,908
FLOOR RACK HINGE
Victor E. West, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1945, Serial No. 613,816
4 Claims. (Cl. 105—422)

1. A floor rack hinge structure for a railway refrigerator car having a wall, vertical flues associated with said wall, a vertical post between said flues, a floor having a gutter adjacent said wall and arranged to receive liquid from said flues, and a floor rack, said structure comprising a butt and



a strap, said butt spanning said gutter and having a portion secured to said post above the gutter, and a portion supported by said floor above the bottom of said gutter, said strap secured to said floor rack and hingedly attached to said butt.

2,425,909
METHOD OF CONTROLLING THREAD TENSION
Kurt E. Wilhelm, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 14, 1945, Serial No. 635,072
7 Claims. (Cl. 242—45)

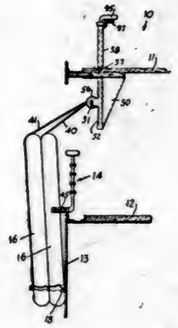


1. The method of controlling the tension of a thread, which consists in advancing the thread under tension past two fixed points and vibrating the portion of the thread traveling between these points at its natural frequency, automatically detecting the rate of thread vibration, and automatically varying the tension upon the thread so as to keep its frequency of vibration practically constant as variations in the size of the thread occur, to thereby keep the pounds per square inch tension of the thread constant.

2,425,910
LIFE RAFT RELEASING MECHANISM
Arthur N. Anderson, Brooklyn, N. Y.
Application January 28, 1944, Serial No. 520,039
12 Claims. (Cl. 9—33)

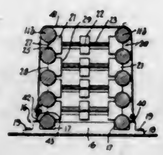
3. In combination with a hook pivoted to a ship and engaging the underside of a life raft, a rod journalled on said ship and above said life raft and provided with a lug, a rope hooked over the lug and engaging the outer end of said pivoted hook, said rope engaging the upper end of said life raft to hold it against the side of the ship, and means to rotate said rod to disengage the lug from the rope, whereby said rope will disengage

the hook and permit it to swing down on its pivot to release the life raft, a second hook pivoted to the outer end of the first hook and engaging the underside of a second life raft superimposed against the side of the first life raft, said rod being provided with a second lug disposed at an angle to the first lug, a second rope hooked over



the second lug and engaged with the outer end of the second pivoted hook, said rope engaging the upper end of the second life raft to hold it against the side of the first life raft, said second lug being disposed at such an angle to the first lug so that rotation of said rod will first disengage the second rope from the second lug before the first rope will disengage from the first lug.

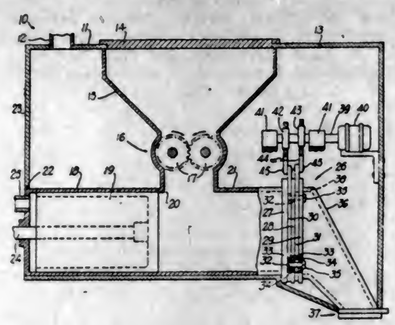
2,425,911
STOWAGE BRACKET FOR FLOATS ON SHIPBOARD
Arthur N. Anderson, Brooklyn, N. Y., assignor to Helen M. Anderson, Brooklyn, N. Y.
Application April 28, 1944, Serial No. 533,139
1 Claim. (Cl. 214—10.5)



Spacing members for use in stowing a plurality of floats on shipboard in spaced, stacked relation, each of said spacing members comprising crossed members and spacer blocks located at the ends of each arm of said crossed members.

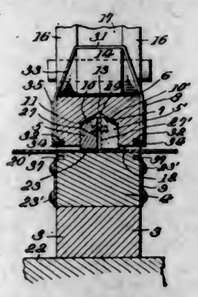
2,425,912
APPARATUS FOR GRINDING FOOD IN A VACUUM CHAMBER
Harry A. Appel, Bronx County, N. Y., and Emile J. Le Blanc, Middlesex County, Mass.
Application May 23, 1944, Serial No. 536,978
2 Claims. (Cl. 146—78)

1. An apparatus for producing liquefied foods, including a vacuum chamber, a coarse grinder therein, a cylinder into which the grinder discharges, a power piston at one end of the cylinder, a comminuting means at the other end of the cylinder, the comminuting means and at least part of the cylinder being located in the vacuum chamber, and an outlet means for the comminut-



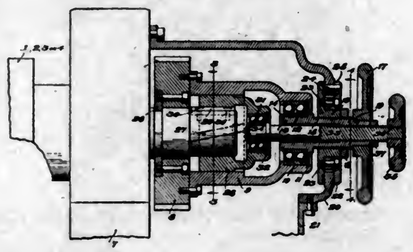
ing means for discharging at will the solid particles and the expressed juices of the foods.

2,425,913
ANGLE SHRINKER
Charles L. Beard, Lancaster, Pa.
Application September 8, 1944, Serial No. 553,249
3 Claims. (Cl. 78—61)



1. A machine of the character described, comprising a body, an anvil member supported by said body, a guide member and a pair of semicircular jaws supported for relative vertical movement toward and away from said anvil member, said jaws and said anvil member having serrated gripping faces and a smooth gripping face respectively adapted to receive therebetween a substantially straight piece of metal, said guide member having a chamber for receiving said jaws, said chamber comprising a circular body portion terminating in a conical inner end portion, the diameter of the body portion of said chamber being greater than the combined diameter of said jaws, a spring for normally forcing the jaws away from each other in an arcuate direction within said body portion of said chamber, said jaws having inclined truncated ends, and means for forcing said guide member and said jaws and said anvil member relatively toward each other to bring said truncated ends of the jaws and the conical inner end portion of said chamber into relative sliding contact to cause the jaws to move arcuately towards each other and to cause the work piece to be tightly gripped between the serrated faces of the jaws and smooth face of the anvil member and whereby the serrated faces of the jaws will crowd the gripped material of one face of the work piece in opposing arcuate directions without disturbing or marring the other face thereof.

2,425,914
DOUBLE ADJUSTMENT FOR PLATE CYLINDERS
James L. Blackley and William P. V. Ross, Battle Creek, Mich., assignors to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application March 23, 1944, Serial No. 527,766
24 Claims. (Cl. 101—248)



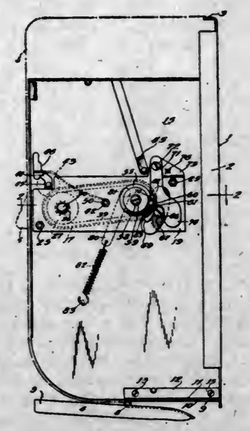
1. A printing registry adjusting apparatus for a printing press having a frame with at least one impression cylinder and at least one plate cylinder in cooperative relation therewith, said registry adjusting apparatus comprising an extension on the printing cylinder shaft; a pair of concentric housings; the outer housing being connected to said shaft extension for rotation therewith, the inner housing being mounted for free endwise movement on and for rotation with said shaft extension, and for spiral movement relative to the outer housing; drive means for the printing cylinder mounted on said shaft extension; means for adjusting the inner housing in endwise direction to rotatably adjust the printing cylinder; and means connected to the outer housing for adjusting the printing cylinder in endwise direction.

2,425,915
DISPENSING CABINET STRUCTURE
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application June 20, 1945, Serial No. 600,621
6 Claims. (Cl. 312—38)



6. A device of the class described comprising, a back plate, a pair of upright plates attached by the rear ends to and extending forwardly from the back plate, a bottom member and means detachably securing it to the upright plates, said bottom having on its forward edge a series of tubular hinge-forming elements, a central extension secured to and extending forwardly of said tubular elements, a smoothing element pivoted between said side plates and cooperating with means on the back wall to smooth toweling, said upright plates having openings therein and said smoothing element having extensions passing outwardly through said openings, and a cover hinged to said tubular members of the bottom adapted to entirely enclose said upright plates and having means on its side walls adapted to engage said extensions of said smoothing member, to hold the member in smoothing position when the cover is closed.

2,425,916
TOWEL CABINET STRUCTURE
Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application June 20, 1945, Serial No. 600,622
7 Claims. (Cl. 312—38)

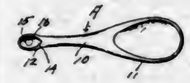


1. A towel dispensing cabinet which has first and second upright plates, between which are a measuring roll, a soiled towel takeup drive roll and a partition to separate toweling material when on the rolls, said rolls and partition having trunnions, an opening in the first plate through which the rolls and partition can be withdrawn, and a bearing plate covering said opening and disposed at the outer side of the first plate and operatively supporting one trunnion of each roll and of said partition in a manner to permit their detachment by axial motion, the opposite trunnion of each roll and of said partition being operatively supported in the second plate to permit detachment by axial motion, and easily releasable means accessible from the outer side of the first upright plate and detachably securing the bearing plate to the first upright plate.

2,425,917
EAR SPATULA
Nicholas F. Brignola, Troy, N. Y.
Application March 12, 1945, Serial No. 582,198
1 Claim. (Cl. 128—303)

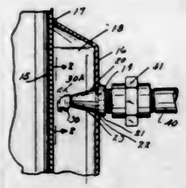
A spatula of the kind described, comprising a body of substantially equal thickness throughout its major extent and having a flat substantially oval shaped terminal portion forming a finger-

and-thumb gripping handle provided with concaved recesses in opposite faces thereof creating the proper sized thumb-tip and index-finger tip pad receiving depressions, respectively, an outwardly tapered shank extending longitudinally from the terminal portion following the center



longitudinal axis of the said body and a tip terminating the shank at a determined distance removed from the said terminal portion, the shank and tip being reversely angulated to each other in a longitudinal direction of the body, the shank also being angulated to the said terminal portion.

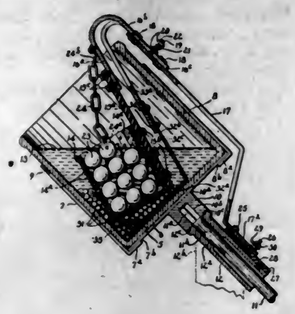
2,425,918
AGITATOR NOZZLE
Carl S. Brown, Lakewood, Ohio, assignor to Glascote Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 14, 1944, Serial No. 554,094
1 Claim. (Cl. 259—18)



An agitator nozzle comprising a tubular body adapted and arranged to partially extend through an opening in the wall of a container or the like, a flange on said member for securement to such wall to close the opening therein and fasten the body thereon, said body having a fluid passageway extending therethrough to conduct fluid from one side of the wall to another, a nozzle member threadingly secured to said body member on one side of said wall, said nozzle being provided with slots accessible from the fluid passageway in said body for engagement by a tool passed through said passageway therein to thereby facilitate adjustment of the position of said nozzle.

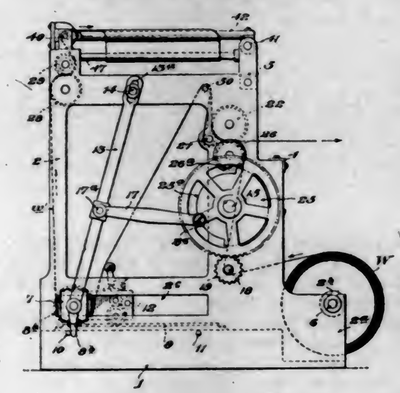
2,425,919
METHOD OF MAKING METAL MOLDING MATERIAL
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 28, 1943, Serial No. 496,456
3 Claims. (Cl. 106—286)

1. The method of producing a metal molding material whose particles are fragments of spherical films, each fragment having a peripheral edge of irregular contour especially adapting it for interlocking with other similar fragments when flattened under molding pressure, which comprises utilizing a body of said metal as an anode within an electrolyte solution of suitable strength, electrolytically depositing films of said metal upon a multiplicity of polished stainless steel balls having cathode connections, effecting continuous movement of said stainless steel balls relatively to each other during the electrolytic action whereby the metal films on said stainless steel balls are mechanically compacted, increased in area, wrinkled and loosened with respect thereto



and broken by said balls into particles of the character first mentioned.

2,425,920
SINGLE-ACTING FLAT-BED WEB PERFECTING PRINTING PRESS
Paul F. Cox, Los Angeles, Calif.
Application April 6, 1944, Serial No. 529,785
15 Claims. (Cl. 101—257)

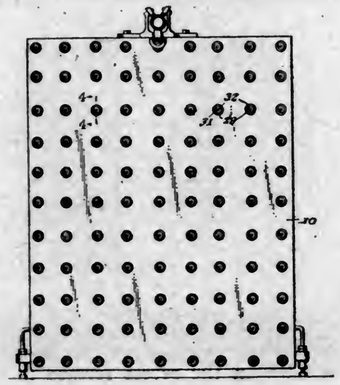


1. In a web perfecting printing press having a stationary type bed, and having a travelling impression cylinder cooperating therewith; web turning means disposed directly over the type bed and impression cylinder; a drive web feed roll adjacent the turning means for receiving and advancing the web from the impression cylinder to the turning means before the web is turned over and for receiving and returning the web to the impression cylinder after the web is turned over.

2,425,921
DEVICE FOR HOLDING OBJECTS TO BE COPIED OR PHOTOGRAPHED
Thomas E. Crockett, Tulsa, Okla.
Application August 17, 1945, Serial No. 611,060
4 Claims. (Cl. 248—363)

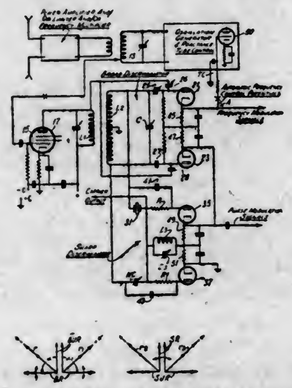
1. A device for supporting objects to be copied or photographed, comprising a support, a device mounted upon the support comprising a casing having an opening and a valve seat, a valve to engage and disengage the valve seat, a tubular reciprocatory thumb-plunger within the casing

and having an object engaging end which extends forwardly beyond the casing and support and a contracted opening in such end and a recess offset



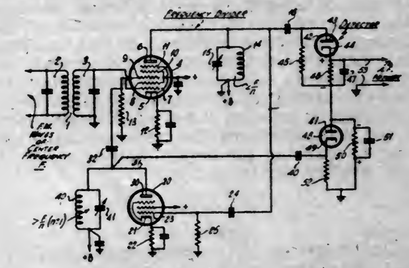
laterally with respect to the valve seat, the valve extending into the offset recess, and spring means engaging the thumb-plunger and valve.

2,425,922
FREQUENCY DISCRIMINATOR CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 15, 1943, Serial No. 483,153
14 Claims. (Cl. 250—40)



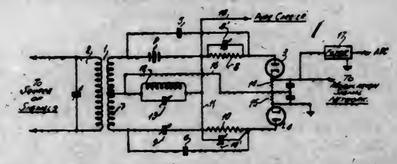
1. In a frequency discriminator system having dual frequency versus amplitude characteristics, input terminals across which voltages of changing frequency appear, output terminals, a frequency responsive circuit having a sharp frequency versus amplitude characteristic coupling said input terminals to said output terminals, a frequency responsive circuit having a broad frequency versus amplitude characteristic coupling said input terminals to said output terminals, and a circuit independent of frequency coupling said input terminals to said output terminals.

2,425,923
FREQUENCY DIVIDER AND DISCRIMINATOR CIRCUIT
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 7, 1945, Serial No. 581,448
8 Claims. (Cl. 250—27)



1. In combination with a pair of rectifiers having respective load resistors and a differential output voltage circuit common to said resistors, a first tuned circuit connected to one rectifier, a second tuned circuit connected to the second rectifier, a source of angle modulated carrier waves having a predetermined center frequency, said first tuned circuit being resonant to a first frequency less than a predetermined subharmonic frequency of said center frequency, said subharmonic frequency falling on the upper flank of the resonance curve of the first tuned circuit, said second tuned circuit being resonant to a second frequency in excess of a third frequency which differs from the source center frequency by said subharmonic frequency, said third frequency falling on the lower flank of the resonance curve of the second tuned circuit, frequency multiplying means coupling said first tuned circuit to said second tuned circuit, and means responsive to said source waves and frequency multiplied wave energy for developing in said first tuned circuit angle modulated waves whose center frequency is reduced to said subharmonic frequency value.

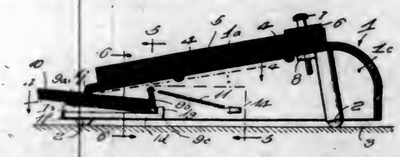
2,425,924
PHASE MODULATION DETECTOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 3, 1943, Serial No. 481,691. Divided and this application March 19, 1945, Serial No. 583,475
5 Claims. (Cl. 250—27)



1. In a detector of phase modulated signalling energy, a signal input transformer having a primary resonant circuit tuned to the mean frequency of applied signal energy, a secondary circuit tuned to said mean frequency, a piezo-electric crystal element tuned to the said mean frequency, means connecting said crystal element between one side of the primary circuit and the mid-point of the secondary circuit, a first rectifier, means connecting the rectifier electrodes in

circuit with said crystal element thereby to have the crystal output energy applied thereto, a second rectifier in circuit with the crystal element having said output energy applied thereto in like polarity, a common output circuit connecting said rectifiers, separate connections from respectively separated points of the input transformer to the respective rectifiers for applying thereto unfiltered phase modulated energy, said separated points being points of opposite polarity on said secondary circuit, a resonant circuit, normally tuned to said mean frequency, in circuit with the crystal element, said resonant circuit including means for adjusting its frequency whereby the phase relation between the crystal output energy and the unfiltered energy may be varied, and means for utilizing the crystal output energy for carrier-exalted demodulation.

2,425,925
CALENDAR STAND WITH MEMORANDA PAPER SUPPLY DEVICE
Harold G. Davis, Brooklyn, N. Y.
Application November 15, 1945, Serial No. 628,816
5 Claims. (Cl. 312—62)



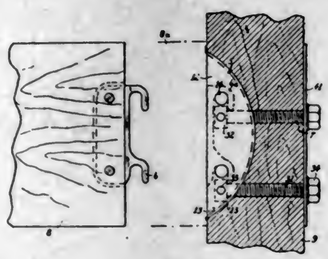
1. A sheet dispenser for desk appliances comprising a molded base structure having a pair of depending side walls and an open front, an inwardly directed substantially horizontally extending ledge molded integral with each of the side walls of said base structure and terminating in an abutment means at the inner end thereof, a shelf-like member projecting through the front of said base structure and pivotally mounted at the junctures of said ledges with said abutment means, and spring means disposed between said shelf-like member and said base structure for urging said shelf-like member to a position for clamping memoranda sheets between said base structure and said shelf-like member.

2,425,926
LEAD RESINATE AND METHOD OF PRODUCING
Herschel A. Elliott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 4, 1941, Serial No. 409,539
12 Claims. (Cl. 260—105)

1. A lead resinate of a heat-treated rosin, said resinate having a lead content from about 26% to about 40%, said heat-treated rosin being the product obtained by a process consisting of heating a natural rosin to a temperature in the range of about 250° C. to about 350° C. until the specific optical rotation has reached the range of about +20° to about +60°.

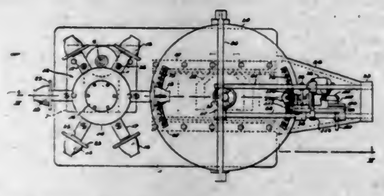
2,425,927
BEDPOST RAIL SOCKET
William R. Elrad, University Heights, Ohio
Application December 30, 1944, Serial No. 570,559
3 Claims. (Cl. 5—288)

1. A device of the character described for use with a bed-post having a recess formed in its inner face, including a receptacle formed to provide a lining for said recess having spaced side walls, a rear wall and an open front, said rear wall having a slot therein, bed rail supporting means connecting the side walls of the receptacle



and spaced from said rear wall, and means pivotally connected to the side walls and extending through said slot and bed post for securing said receptacle within the recess formed in the bed post.

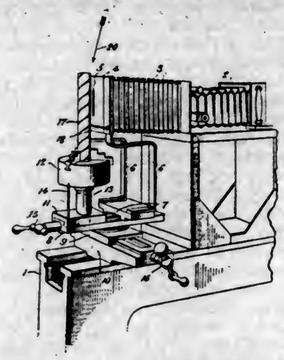
2,425,928
CUP DECORATING MACHINE
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Application May 1, 1943, Serial No. 485,295
15 Claims. (Cl. 101—38)



5. A machine for decorating the outside of a cup having a substantially frusto-conical design-receiving surface, comprising means for supporting the cup for rotation on its axis, a stamp support extending beside said means and rotatable on an axis perpendicular to the axis of rotation of said cup and intersecting the apex of the conical projection of said frusto-conical surface of the cup, and an elongated decorating stamp positioned on said support to frictionally engage said surface of the cup tangentially for rotating the cup and simultaneously stamping said surface.

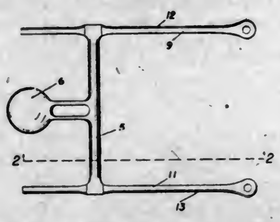
2,425,929
METHOD OF AND APPARATUS FOR PREPARING PHOTOGRAPHIC OVERLAY CHART
William P. Foster, Jersey City, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application November 3, 1944, Serial No. 561,717
7 Claims. (Cl. 88—24)

1. The method of preparing a photographic overlay chart of the structural characteristics of tape insulated cable comprising the steps of illuminating the surface of the cable insulation by directing rays of light longitudinally along the cable surface at an acute angle to the surface so as to disclose surface irregularities by the casting of shadows, photographing successively a relatively long and narrow portion of the surface of each layer of insulation on a common radius and arranging the said photographs side by side on



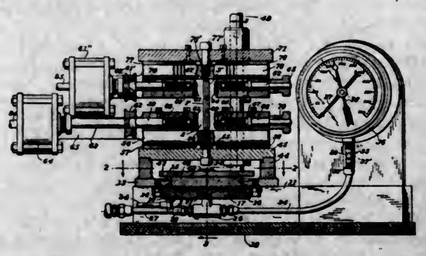
a single print so as to give the appearance of a longitudinal section of the cable insulation.

2,425,930
BRIDLE BIT
Henry Garcia and Leslie Garcia, Salinas, Calif.
Application April 15, 1946, Serial No. 662,297
1 Claim. (Cl. 54—7)



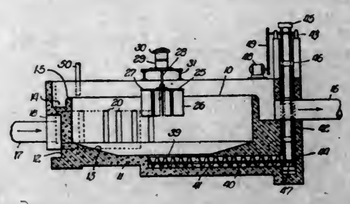
A horse bit comprising a bar and a pair of laminated side-plates, said side-plates having openings formed therethrough, and said bar having split L-shaped end portions, one of which is passed through said opening in said plate, the adjacent end of said L-shaped portion being in engagement with the other substantially as shown and described.

2,425,931
HYDRAULIC TENSILE TESTING MACHINE
Alexander J. Golick, Seattle, Wash., assignor, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash., a corporation of Delaware
Application October 19, 1945, Serial No. 623,375
5 Claims. (Cl. 73—97)



1. Apparatus for testing the tensile strength of a strip of material by pulling it in two, comprising a pair of gripping devices arranged to grip longitudinally spaced portions of a strip to be tested, a cap member having a cavity bounded by an annular rim portion, a ring portion secured to said rim portion, a diaphragm clamped between said portions, a piston in said ring portion normally resting against said diaphragm, means connecting said piston and one of said gripping devices whereby movement of the piston enforced by said diaphragm is imparted to said one of said devices to move the same away from the other gripping device, a pressure gauge, and a line in connection with said cavity and with said gauge whereby hydraulic fluid under pressure supplied to said cavity displaces the diaphragm to cause the rupturing of said strip.

2,425,932
GRIT SEPARATOR
Walter H. Green, Batavia, and Herbert W. Gillard, Oak Park, Ill., assignors to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application September 9, 1944, Serial No. 553,296
12 Claims. (Cl. 210—3)



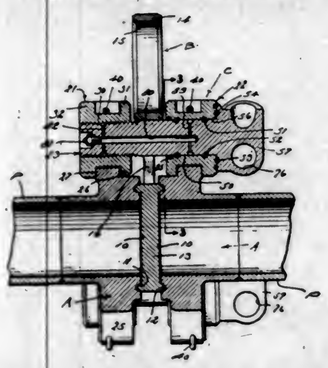
1. In apparatus for separating grit from a flowing stream of sewage while retaining organic solids therein, a treating basin free of internal structure substantially limiting circulation therein and having a diameter greater than its depth, an inlet opening through which raw sewage is introduced to said basin, a peripheral weir over which treated sewage leaves said basin, the top of said inlet opening being spaced a substantial distance below the level of said weir, a rotor member coaxially aligned in said basin, means to effect rotation of said rotor member, said rotor member being so formed and so positioned in said basin as on rotation thereof to cause a non turbulent and low velocity outward horizontal flow of sewage in the basin at the level of said weir, a grit receiving chamber in the floor of said basin, a conveyor mechanism extending from said chamber to a point above the level of said weir and means to drive said conveyor mechanism.

2,425,933
COMPOSITE DECORATIVE UNIT
Waylande C. Gregory, Bound Brook, N. J.
Application July 26, 1944, Serial No. 546,610
17 Claims. (Cl. 41—34)



1. In a composite article of the class described, a base member, a glass member substantially thicker than a glaze and provided with internal fractures forming individually perceptible light reflecting crystal defining facets imparting a jewel-like quality thereto, and a bonding agent between said base member and said glass member and firmly bonding them together.

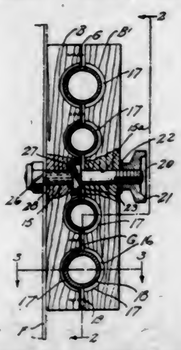
2,425,934
CONSTRUCTION FOR PIPE-LINE FITTINGS
Leland S. Hamer, Long Beach, Calif.
Application July 19, 1944, Serial No. 545,604
15 Claims. (Cl. 138—44)



1. A fitting of the character described including, two body sections shiftable relative to each other, and means for operating the sections including, a block carried by each section, means releasably retaining the block in engagement with the said sections, and a tie member extending between and connecting the sections and being anchored to one block and engaged with the other of the blocks to shift it relative to the first mentioned block when the member is rotated.

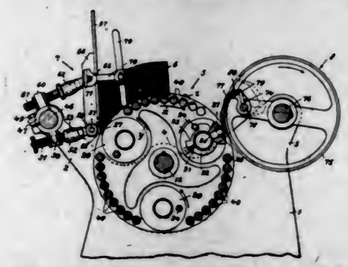
15. A fitting of the character described including, two body sections shiftable relative to each other, and means for operating the sections including, projections opposite each other on the two sections, a block carried in each section, a tie member extending between and connecting the sections through the blocks and being engaged with one of the blocks to shift it relative to the other when the member is rotated, and means adapted to supply a lubricant between the tie member and blocks.

2,425,935
TUBE HOLDING BLOCK
Richard Lowell Hayman, North Hollywood, Calif.
Application July 10, 1943, Serial No. 494,165
2 Claims. (Cl. 174—135)



1. A conduit support comprising: a bolt having a non-circular integral head between its ends; a first clamping block having a bore receiving a portion of said bolt so that the bolt projects from opposite sides of the block, and a recess non-rotatably receiving said head; means for securing said bolt against endwise movement in said block; a second clamping block having a bore receiving that portion of said bolt projecting from one side of the first clamping block; complemental seats in the confronting sides of said blocks for receiving conduits therein; individual resilient linings for said seats; a bonding strip on that side of said first block confronting the second block, said strip having portions in said seats to confine the linings therein, other portions extending between the seats, and other portions extending into said recess and having contact with said head; staples driven through said strip and into said second block for securing the strip on the block; a nut on said bolt for confining the second clamping member against removal from the bolt and for drawing the two members into clamping engagement with the conduits; and a second nut on that portion of said bolt projecting from the other side of the first clamping member and coacting with the bolt to secure said member to a supporting structure.

2,425,936
APPARATUS FOR TAKING FOLDED OR UNFOLDED SHEETS OF PAPER FROM A PILE THEREOF AND CONVEYING THE SAME TO A DEVICE FOR FURTHER TREATMENT
Rudolf Hepp, Berlin, Germany; vested in the Attorney General of the United States
Application April 17, 1942, Serial No. 439,378
In Germany April 25, 1939
4 Claims. (Cl. 271—11)



1. In an apparatus for taking flexible sheets from a pile thereof and conveying the same to an apparatus for further treatment, comprising a rotary frame, a gripping roll eccentrically mounted on said frame and revolving therewith, a set of rollers circumferentially mounted on said frame near said roll, means for holding said pile substantially in a stationary position upon said rollers, the outer parts of said roll and rollers being located substantially on a common circle, gear wheels connected respectively with said roll and rollers and having diameters substantially equal respectively to the diameters of said roll and rollers, a stationary internal gear meshing with said gear wheels, means to rotate said frame, and gripping means on said roll adapted to engage the forward portions of the sheet of the pile bearing on said roll and rollers.

2,425,937
BURGLAR STOP
William Hilton, Seattle, Wash.
Application November 26, 1945, Serial No. 630,757
3 Claims. (Cl. 292—342)

1. A device of the character described comprising a plate adapted to be fixed adjacent the path of travel of a slidably mounted window and having a slot formed therein in the direction of window travel; said slot being formed, at intervals therealong, with enlargements, a stop member applied to the outer face of the said plate and adapted to be engaged by the window to limit its opening movement; said stop member having an anchor stud extended inwardly therefrom and through said slot within one of the slot enlargements and a head at the inner end of the stud for engaging the inner face of the

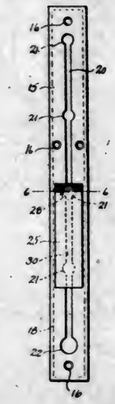
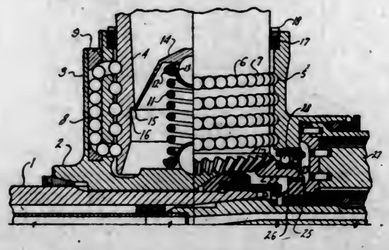


plate to retain the stud against withdrawal from the slot, and said stud having a transverse thickness substantially fitting the slot enlargement to prevent movement of the stop along the plate when in a window holding position, and having a vertical thickness that is lesser than the width of the slot, whereby, upon turning the stop member to a position transversely of the slot, the stud is movable along the slot for the disposition of the stop at any selected holding position.

2,425,938
CIRCULATING BALL RACE PROPELLER BLADE BEARING
Walter S. Hoover, Grosse Pointe, Mich.
Application September 15, 1943, Serial No. 502,413
2 Claims. (Cl. 170—173)



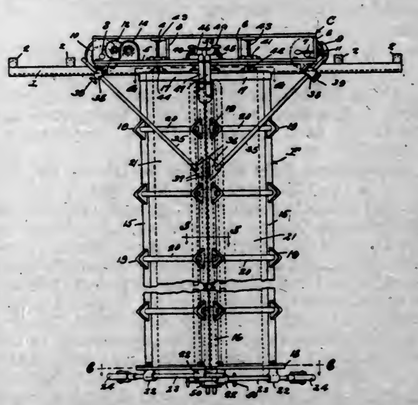
1. In a propeller blade bearing structure, a bearing sleeve fixed against rotation for receiving the propeller blade bearing, antifriction bearings interposed between the blade bearing and sleeve bearings comprising ball members, and means to obtain a desired preloading on the bearing members which comprises a loading bracket disposed centrally of the propeller blade root and abutting against the propeller blade, spring means disposed between said preloading bracket and the propeller hub comprising a plurality of hemispherical flanged spring seats for engaging the ends of a coil spring in their respective seats, and balls disposed in the hemispherical surface of said spring seats for engagement with the propeller hub and said preload bracket.

2,425,939
ICE CREEPER
Charles Lowell Howard, Winnetka, Ill.
Application January 30, 1946, Serial No. 644,253
3 Claims. (Cl. 36—62)



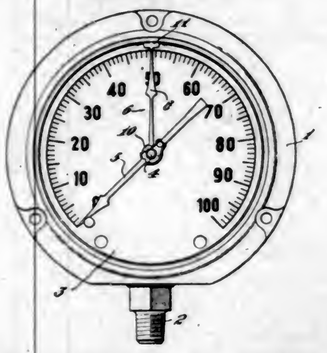
1. In a device of the class described, a body portion of durable, flexible material adapted to underlie the sole of a shoe and contact the sides of the shoe, adjustable means associated with said body portion, said body portion and adjustable means together forming a loop adapted to encircle shoes of different widths, a plurality of spaced unitary metallic members secured to the body portion underlying the sole of the shoe, said unitary members each having a raised portion adapted to be indented in the shoe sole and having a plurality of projecting portions inserted through said body portions, said projecting portions of each member being bent to lie in different directions with respect to said body portion and adapted to penetrate an icy surface.

2,425,940
MULTIPLE NOZZLE SELF-PROPELLED SPRAYER
Neal Jerome Iverson, Mobile, Ala.
Application February 12, 1945, Serial No. 577,449
5 Claims. (Cl. 91—45)



1. In a machine for applying a coating, a track, means for mounting the track in an elevated position on an object to be coated, a carriage movable along the track, a frame depending from the carriage, an applying means mounted on the carriage, anti-friction members engageable with the object to be coated, and means for mounting the anti-friction members on the carriage for adjustment toward and away from the object to be coated.

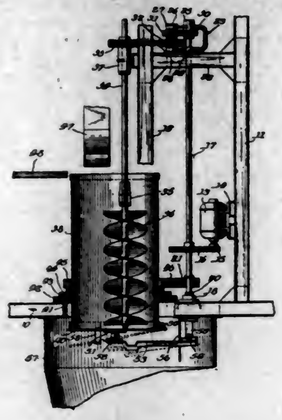
2,425,941
MANUALLY ADJUSTABLE INDICATOR FOR DIAL INSTRUMENTS
Samuel Kahn, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application November 9, 1944, Serial No. 562,714
11 Claims. (Cl. 116—129)



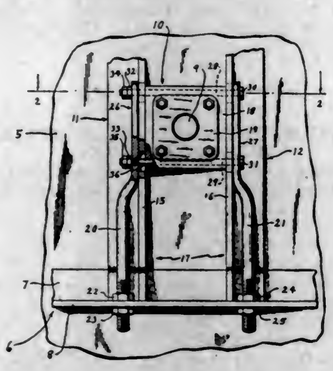
1. A manually adjustable set hand for use in a dial instrument having a case which houses a graduated dial with which cooperates a pointer carried by a rotary staff, the dial being provided with a central opening through which the rotary staff extends, said opening being of a diameter greater than that of the pointer staff, the dial being of a diameter less than the inner diameter of the case, said hand being applicable to the dial of an instrument which is otherwise complete and which has been calibrated and without necessitating any dis-assembly of the parts or recalibration, the hand comprising portions designed respectively to engage the material of the dial which defines the edge of the central opening in the dial, and the outer edge of the dial, the latter portion of the hand being constructed and arranged to exert pressure against the edge of the dial.

2,425,942
CONFECTIONERY MAKING MACHINE
Jacob J. Kooman, Chicago, Ill., assignor to Confections, Inc., Chicago, Ill., a corporation of Illinois
Application July 15, 1943, Serial No. 494,777
2 Claims. (Cl. 259—33)

1. In confectionery making apparatus, a mixing device including a container of substantially cylindrical shape having its longitudinal axis disposed vertically, means having encircling relation with the container intermediate the ends thereof for supporting the container for rotation with the lower end of the container depending below the said supporting means, driving means for rotating the container, a bottom closure member comprising a substantially flat disc pivotally secured to the container adjacent the end depending below the supporting means, the pivot axis of said member having a right angle relation with the longitudinal axis of the container, whereby said closure member rotates with the container and may be opened and closed during said rotation, and means controlling said positions of the bottom closure member including a movable lever and a substantially frictionless bearing member located at the end of said lever and having contact with the undersurface of the bottom closure member substantially centrally thereof, whereby actuation of the lever in one direction applies pressure to the member to maintain the same closed and actuation of the lever in the other direction releases said pressure permitting the member to open.

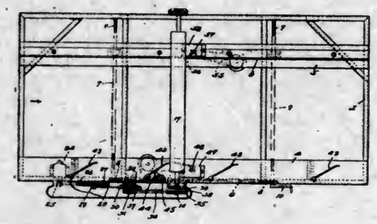


2,425,943
ADJUSTABLY MOUNTED BEARING
Norman R. Krause, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Original application May 6, 1940, Serial No. 333,489, now Patent No. 2,336,263, dated December 7, 1943. Divided and this application October 30, 1943, Serial No. 508,293
5 Claims. (Cl. 308—59)



1. In a thresher, a housing having a longitudinal structure element, a shaft for supporting a threshing cylinder in said housing and a bearing supporting the shaft, spaced upright members carried by said longitudinal structural element, said bearing being carried between said upright members, slots in said upright members and a bore in said bearing aligned with said slots, jack bolts extending in the general direction of said spaced members and having bores aligned with the bore in said bearing, a bolt traversing said aligned bores and slots and arranged for clamping said jack bolts, said upright members and said bearing in rigid relation, and means for adjustably anchoring said jack bolts to said longitudinal structural element.

2,425,944
WORK-STARTED FEED MECHANISM FOR PLANERS
Ananias A. Kvalheim, Petaluma, Calif.
Application October 9, 1944, Serial No. 557,857
1 Claim. (Cl. 144—242)



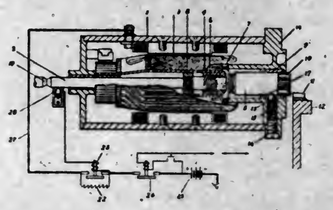
The combination with parallel relatively adjustable work-supporting strips, superposed work-feeding rolls extended across the strips, and separately driven motor actuated tools carried by the respective strips, and positioned to plane opposed edges of work supported on the strips, of a work guiding flange on one of the strips, springs on the other strip for engagement with one side edge of work on the strips, means for shifting the flanged strip to transmit thrust laterally through the work against the springs, a normally open electric circuit including a motor, means operated by transverse movement of the work against one of the springs for closing said circuit, and a driving connection between the motor and the feed rolls.

2,425,945
CONFECTION TONGUE DEPRESSOR
John M. Leach, Port Washington, N. Y.
Application May 2, 1946, Serial No. 666,545
5 Claims. (Cl. 128—15)



1. A combination confection-tongue depressor comprising an elongated body member having a portion the cross sectional area of which is smaller than the cross sectional area of the remainder of the body member, and a quantity of confection substantially confined within the inner bounding surfaces of said portion of reduced area.

2,425,946
STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES
Abe Lee, Utica, N. Y.
Application July 30, 1945, Serial No. 607,725
8 Claims. (Cl. 290—38)



1. In a starting device for an internal combustion engine having a ring gear on its fly wheel, the combination of a main housing, an electrically operated starting motor mounted within said housing and having a hollow armature, an advanceable shaft mounted within said armature and carrying at its front end a pinion adapted to mesh with said ring gear on the fly wheel when the said shaft has been fully advanced, said shaft having a short length of rapid screw threads intermediate its ends, a nut fitting said rapid screw threads on the advanceable shaft and securely fastened to said armature, a spring pressed ball adapted to extend into a slot in said advanceable shaft to prevent the rotation of the shaft when it is being advanced, said ball becoming inoperative when the shaft has been fully advanced, a preliminarily-acting electric circuit for the starting motor brought into operation by pressing the starting button whereby the advanceable shaft is advanced and the pinion brought into mesh with the ring gear, means then automatically operating for bringing into operation the full current for the starting motor whereby the engine is started and thereupon automatically the said shaft is retracted thereby disengaging the pinion from the ring gear.
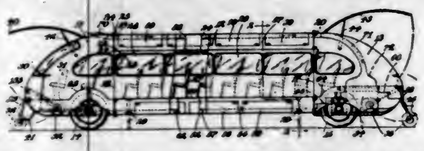
2,425,947
METHOD OF PREPARING PECTIN
Herbert T. Leo and Clarence C. Taylor, Anaheim, Calif.
No Drawing. Application August 2, 1946, Serial No. 687,956
21 Claims. (Cl. 260—209.5)

13. In a method of isolating pectin from an aqueous solution thereof which comprises coprecipitating aluminum hydroxide and pectin, the improvement which comprises effecting said coprecipitation by the addition of calcium carbonate and of aluminum chloride, and boiling the resultant mixture of coprecipitate and mother liquor.

2,425,948
POWERED VEHICLE OF CONNECTED SECTIONS
René Lucien, Farnham Common, England
Application May 11, 1944, Serial No. 535,127
In Great Britain March 15, 1943
4 Claims. (Cl. 180—11)

2. A road vehicle system for flexible service comprising, in combination, a steerable front section provided with a driver's seat, a powered rear section, and a plurality of insertable and selectively interchangeable passenger and goods carrying central sections, the front and rear sections being provided with supporting wheels but the

selected central section supported in operative position by the other two sections, quick-detachable means on all of said sections for readily securing the sections together and detaching them from one another, said quick-detachable means being standardized both as to structure and relative position, so that the front and rear sections may be secured directly together or secured to the opposite ends of a selected central



section, a rigid transversely extending plate member carried by each of the inner ends of the front and rear sections and both ends of the central section, said quick-detachable means comprising complementary connecting elements on said plate members, each occupying the same relative position on its plate member as its mating element occupies on the abutting plate member of the adjacent section.

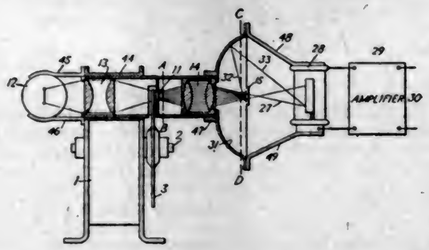
2,425,949
COLLAR FASTENER
Estelle Mleczek, Chicago, Ill.
Application October 29, 1945, Serial No. 625,372
4 Claims. (Cl. 24—81)



2. A fastener for fastening fabric material comprising a pair of bars in rigid mutual engagement intermediate their ends, the free ends of said bars being in a resiliently mutual relation for clamping fabric material therebetween, a plate in pivotal engagement with one of said bars, said plate being provided with a bend, and a pin extending through said bend, said pin being in rigid engagement with said plate and in a longitudinal relation therewith, said one bar being provided with a longitudinal recess wherein a portion of said pin is adapted to spring into for locking said pin and said plate with said one bar when said plate remains in an operative position relative to said bars, the sharp point of said pin being disposed away from the free ends of said bars for positively engaging the fabric material when the same is inserted between said bars, said plate being adapted for angular shifting movement with respect to said bars for springing said pin out of said recess for disengaging the same from its engagement with fabric material.

2,425,950
SIGNAL TRANSMISSION DEVICE
Montford Morrison, Upper Montclair, N. J.
Application June 12, 1945, Serial No. 599,007
5 Claims. (Cl. 250—41.5)

1. A photoelectric generator of continuously periodically varying electric currents comprising a photoelectric cell, a light source transmitting a continuous stationary beam of luminous flux to said cell, a stationary member of opaque material embracing an optical slit, said slit being located in said beam with the effective plane of the limiting aperture thereof oriented at a right-angle to the direction of said beam, a traveling member associated with said stationary member and having opaque surface embracing rotatable discrete openings therein formed into a continuous series having a circuitous path and modulated dimensions transverse to said path, adjacent openings in said series extending along said path to register simultaneously with said slit, said circuitous path intercepting said beam of said luminous flux in a direction transverse to the longitudinal direction of said slit, said luminous flux transmitted to said cell passing through both said slit and said openings, and the instantaneous



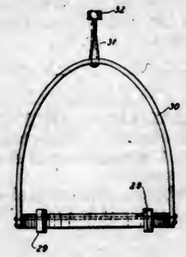
values of said dimensions registering through said slit varying within the operational frequency response of said cell as a complete sine-curve with the rational displacements of said discrete openings under continuous operation, whereby the luminous flux from said source to said cell transmitted through said slit and said discrete openings by conjoint action thereof varies within the operational frequency response of said cell as a full sine wave and has quantitative values limited by the product of said width and said instantaneous values, within said operational response.

2,425,951
FRAME CONSTRUCTION WITH ATTACHMENT STRIPS
William H. Neely, Cleveland, Ohio, assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application July 14, 1943, Serial No. 494,891
7 Claims. (Cl. 155—180)



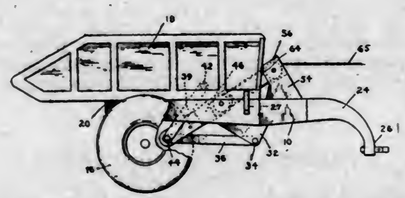
1. In a seat construction for upholstered furniture, automobile seats, and the like, an open frame structure having upwardly curved side rails, and attachment strips secured to the inner faces of said side rails and partly extended above same, said attachment strips following the curvature of said side rails and having their extended upper edge portions corrugated and formed with spaced, aligned and elongated perforations and their lower portions slitted and spread, the slits in said lower portions being extended toward the space between adjoining perforations.

2,425,952
TRAY AND THE LIKE
Alan A. Robert, West Hollywood, Calif.
Application September 11, 1945, Serial No. 615,600
2 Claims. (Cl. 224—48)



1. In a tray device accessible from its periphery for placing and removing articles to be carried thereon, a shallow tray element, a bowed narrow and rigid strip having its ends rigidly fixed to opposed sides of the tray element and presenting a top central part for attachment to a limp cord-like element, a limp cord-like element fixed to the top central part with a finger gripping means at the distal end thereof, said strip having a vertical height greater than the maximum dimension of the usable top portion of the tray element.

2,425,953
HAULING VEHICLE
James T. Rogers, Nashville, Tenn., assignor to Rogers Manufacturing Company, Inc., Nashville, Tenn., a corporation of Tennessee
Application December 18, 1945, Serial No. 635,713
5 Claims. (Cl. 298—19)

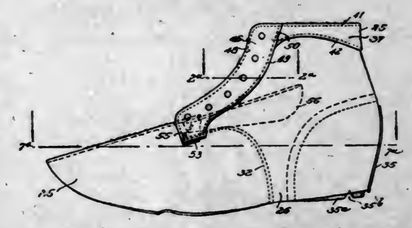


2. In a dump vehicle, a chassis having spaced longitudinal frame members, a dump body pivoted at its rear portion to the rear of said chassis, a rearwardly extending first toggle link pivoted to the chassis below said frame members and lying in a substantially horizontal plane when the dump body is in normal position, a second toggle link pivoted to the rearward end of said first link and to the dump body at such point that it forms an angle of substantially 60° with said first link when the dump body is in normal position, a standard positioned on said chassis above said frame members and forward of said links, a pulling arm pivotally connected at its rearward end to the pivot between said links and extending in a direction bisecting the angle between the same, and means for moving said pulling arm in a forward direction to open the angle between said links and to elevate the dump body including sheave and cable connections between said standard and the forward end of said pulling arm.

2,425,954
SYNTHETIC GEM COMPOSITION AND METHOD
Daniel Rosenthal, Brooklyn, N. Y.
No Drawing. Application May 19, 1945, Serial No. 594,796
9 Claims. (Cl. 106—42)

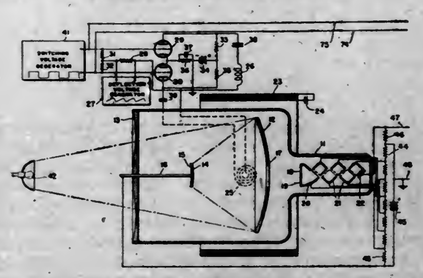
1. A composition material comprising black copper oxide, white titanium oxide and at least two of the oxides taken from the group iron oxide, cobalt oxide, nickel oxide and chromium oxide, the sum of the copper oxide and titanium oxide being less than the remainder of the composition.

2,425,955
BOOT UPPER WITH SHAPED UPPER EDGE
Clayton D. Rouch, Livonia, N. Y.
Application December 11, 1944, Serial No. 567,558
5 Claims. (Cl. 36—45)



1. A boot upper comprising quarters in one piece and presenting an unseamed and smooth surface to the back cord of the foot, said upper having a notch in its top at the center of the back thereof with relatively inclined edges, and a top band having opposite lateral halves including therebetween a greater angle than that normally between said notch edges and stitched to said edges of said notch to produce an outflare of the back of the upper and relieve pressure of the top of the upper on the back cord of the foot.

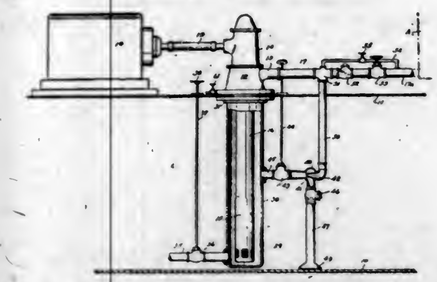
2,425,956
TARGET SEEKING DEVICE WITH PHOTOTUBE MULTIPLIER
Hans W. G. Salinger, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application January 27, 1944, Serial No. 519,936
8 Claims. (Cl. 250—41.5)



1. A target-seeking device comprising, means including a photoelectric cathode for producing an electron image including a representation of a light emitting target in a predetermined plane remote from said cathode, an electrode having a slit type aperture comprising two angularly disposed legs, means located adjacent the space between said cathode and said electrode for alter-

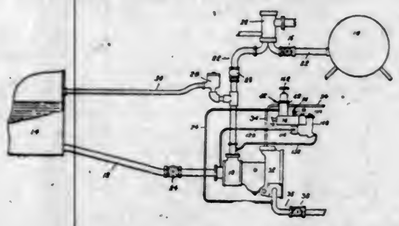
nately deflecting said electron image across the respective legs of said aperture, and means including an electron multiplier located behind said electrode for converting said deflected electron image into two signals representative of the position of said light source with respect to a predetermined point of said electron image.

2,425,957
PUMPING SYSTEM FOR EVACUATING CONTAINERS OF LIQUID
Bernard Samelson, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a corporation of Ohio
Application January 24, 1945, Serial No. 574,331
20 Claims. (Cl. 222—263)
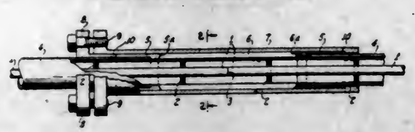


3. The combination with a container for liquid, of a pump having a suction orifice in the container and a discharge orifice outside of the container, and an ejector operated by the liquid discharged to strip liquid in the tank below the suction orifice.

2,425,958
FLUID-DRIVEN PUMP CONTROL
Christopher A. Schellens, Tenants Harbor, Maine, and Arthur L. Sherman, Englewood, N. J.
Application December 2, 1943, Serial No. 512,584
23 Claims. (Cl. 103—19)



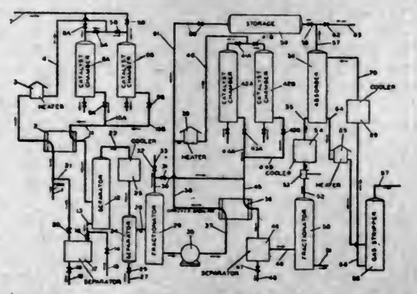
1. Control mechanism for a turbine-driven pump comprising a valve unit controlling the supply line to the turbine, means for applying to the valve unit the turbine nozzle bowl pressure in direction tending to close the turbine supply line and the pump delivery pressure in direction tending to open the turbine supply line, and means for controlling the effect of the pump delivery pressure as applied to the valve unit, said valve unit comprising a pair of discs fixed in spaced relation on a valve stem and a piston rigid on one end of the stem, the unit as a whole being movable between a position in which said discs close the supply line to the turbine and positions in which the valves are open more or less depending upon the relation of the opposing pressures acting on the valve unit, and said means for controlling the effect of the pump delivery pressure comprising a member movable in response to pressure applied thereto and arranged to act on the piston of the valve unit, a relatively small conduit leading from the delivery side of the pump and applying the pump delivery pressure to said member in direction tending to open said discs, and means for controlling flow in said relatively small conduit.

2,425,959
COAXIAL LINE COUPLING
Ferdinand J. Schoenborn, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 18, 1942, Serial No. 451,426
5 Claims. (Cl. 174—88)



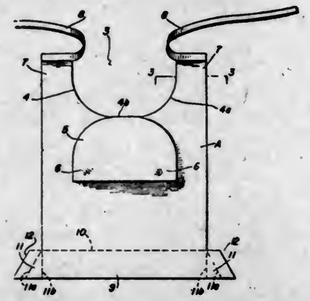
1. A coaxial cable splice for joining ends of the conductors together comprising inner and outer conductors concentrically arranged with spaced insulating members, said inner conductor having its ends butt joined, and maintained with a constant outside diameter, an end sleeve secured to each one of said outer conductors, said end sleeves having inwardly extending tapered portions, a longitudinally split sleeve having outwardly extending tapered ends and the same internal diameter as the internal diameter of said outer conductors, said split sleeve being interposed between opposed ends of the end sleeves on the outer conductors, a tubular clamping member surrounding said split sleeve and said end sleeves, said tubular clamping member having a shouldered portion on one end thereof for engaging one of said end sleeves, and means for isolating the interior of the outer conductor from the atmosphere, said means being located at the other end of said tubular clamping member for retaining said outer conductor ends in gas-tight engagement and alignment by drawing said end sleeves and longitudinal split sleeve together.

2,425,960
PROCESS FOR HYDROCARBON CONVERSION
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 29, 1943, Serial No. 481,024
2 Claims. (Cl. 196—52)



1. In a process producing a motor fuel of improved antiknock characteristics, the steps comprising introducing a stream of gas oil at a temperature between about 850 and 1100° F. and at a relatively slightly superatmospheric pressure into a closed zone containing a bauxite catalyst wherein the gas oil is cracked, removing unconverted gas oil and relatively heavy hydrocarbon material from the effluent of the preceding cracking step and recycling the unconverted gas oil into said cracking step, fractionating the remaining effluent into a gasoline fraction and a lighter fraction containing free hydrogen and isoparaffins of five and six carbon atoms, adding a gas rich in free hydrogen to the gasoline fraction, passing said mixture at a temperature between about 900 and 1100° F. and at a relatively slightly superatmospheric pressure into a second closed zone containing a bauxite catalyst wherein the gasoline is reformed in the presence of said hydrogen-rich gas, introducing the said lighter fraction into the effluent from the second closed zone thereby forming a combined fluid, separating components heavier than gasoline from the combined fluid, and fractionating the remaining combined fluid for separation of said isoparaffins together with a gasoline of improved antiknock properties and of a gaseous fraction containing free hydrogen, separating a gas boiling higher than methane from said gaseous fraction to obtain a gas rich in free hydrogen and recycling at least a portion of said hydrogen-rich gas to said second closed zone.

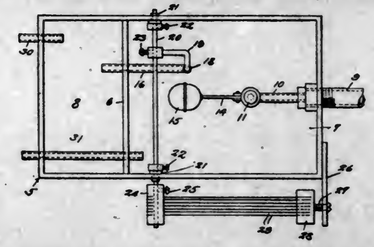
2,425,961
BIBETTE
Felicia C. Shattuck, Everett, Mass.
Application May 6, 1946, Serial No. 667,638
6 Claims. (Cl. 2—49)



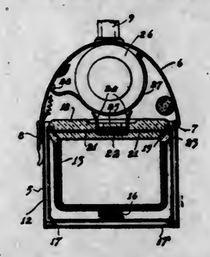
1. A bibette comprising a blank of flexible paper having a fly partially cut therefrom along two lines of severance extending for a major portion of their length in generally the same direction and terminating a substantial distance inwardly from spaced points on the perimeteral edge of the blank, said fly being adapted to be folded into superposed relation with the body of the blank along a line connecting the inner ends of the lines of severance and lying at an angle with respect thereto, and tie strings connected to the blank upon opposite sides of the fly, said fly being of such size as to overlie a substantial portion of the chest-covering area of the blank.

2,425,962
WATER FLOW CONTROL FOR HUMIDIFIERS
Leo L. Sill, Champaign, Ill.
Application July 7, 1944, Serial No. 543,843
1 Claim. (Cl. 236—44)

A water supply device for humidifiers, comprising a tank, a discharge pipe adjacent the bottom of the tank having an upstanding end within the tank formed with a valve seat adapted to discharge water from the tank, a horizontal shaft supported within the tank, one end of said shaft being extended to a point exteriorly of the tank, a valve arm and valve operated by the shaft adapted to control the passage of water through the valve seat and the discharge pipe, a drum adjustably secured to the extended end of the shaft, a block adjustable towards and away from the drum, supported in spaced relation with the drum at a point below the drum, thread-like members of a hygroscopic nature having one of their respective ends wound around the drum and being secured to the drum, the opposite ends of said thread-like members being secured to the adjustable block, whereby expansion and contraction of the thread-like members due to moisture content thereof, rotates the shaft, operating said valve thereby to control the passage of water through the discharge pipe.



2,425,963
LUNCH KIT
Thomas Silva, Honolulu, Territory of Hawaii
Application December 5, 1944, Serial No. 566,711
1 Claim. (Cl. 206—4)

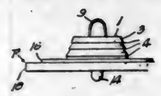


In a lunch kit, a lunch box including a rectangular body portion and a hollow relatively deep lid hinged to said body portion and having means to secure it in closed position, a plurality of Thermos food containers removably fitted in the body portion and including removable covers provided with spring-projected locking bolts for locking the same in closed position, said locking bolts having spaced upstanding finger pieces for retracting the same, and a Thermos bottle firmly removably strapped in the lid, the Thermos bottle contacting said finger pieces to hold the Thermos containers down in position within the body portion when the lid is secured in closed position.

2,425,964
VACUUM DRAIN STOPPER
Bernard P. Smith, Los Angeles, Calif.
Application March 9, 1945, Serial No. 581,812
2 Claims. (Cl. 4—293)

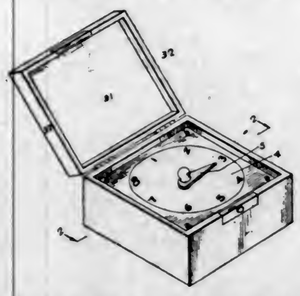
1. In combination with a sink fitting having a drain plate, of a vacuum stopper consisting of a

flexibly resilient disclike member, an integral truncated plug projecting from one face of the disclike member centrally thereof, a pair of spaced concentric beads integral with the disclike member which are also concentric with the plug, a pilot integral with and projecting from the opposite face of the stopper centrally thereof and adapted to pass through a central opening in the drain plate to locate the stopper relative to the drain fitting, a pair of spaced concentric beads integral with the disclike member which



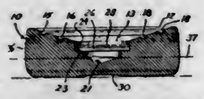
are also concentric with the pilot and arranged in staggered relation with first mentioned beads in sectional elevation, a rib formed on the plug by recessing the end face of the plug, a rib formed at the base of the plug by recessing the said opposite face of the disclike member, opposed recesses formed in both ribs, and a chain connection having ends engageable in said recesses which can be detached from one rib and attached to the other rib and vice-versa.

2,425,965
DIVINATION BOX
Harry G. Sundheim, Jr., Chicago, Ill.
Application June 25, 1945, Serial No. 601,534
2 Claims. (Cl. 272—27)



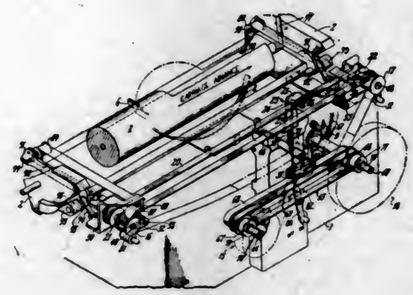
1. In a magic effect, a container having a series of marks and an indicator adapted to be moved to indicate one of said marks, means for concealing said marks and said indicating means and means for showing in such concealed condition the marks to which said indicating means has been moved.

2,425,966
SHUFFLEBOARD WEIGHT
Eli H. Tjomsland, Maywood, N. J.
Application February 19, 1947, Serial No. 729,596
15 Claims. (Cl. 273—128)



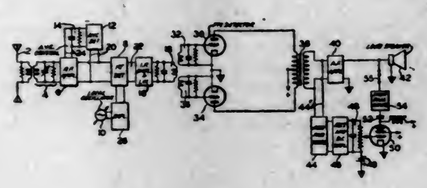
1. A shuffleboard weight having a center recess, a top wall sloping downward to said recess, open indentations in the sloping top wall and around the center recess, and pigments on the side surfaces of the open indentations.

2,425,967
RIBBON FEED FOR TYPEWRITING MACHINES
John Toggenburger, Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 516,516, December 31, 1943. This application May 26, 1945, Serial No. 596,039
27 Claims. (Cl. 197—151)



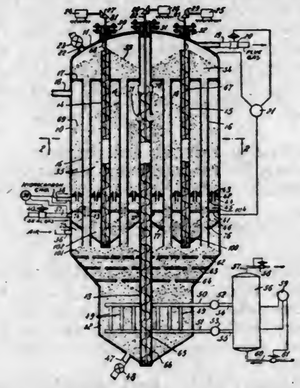
15. In a hectograph ribbon-feed mechanism for a typewriter having a travelling paper carriage, two devices for rotatably supporting ribbon spools, means for driving said devices in response to travels of the carriage, and a one-way clutch between said driving means and each of said spool-supporting devices, said clutches being each normally effective and adapted to drive respectively in opposite directions.

2,425,968
BACKGROUND NOISE REDUCING CIRCUIT FOR AUDIO FREQUENCY TRANSLATING CIRCUIT
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 9, 1940, Serial No. 323,089. Divided and this application March 27, 1945, Serial No. 585,089
5 Claims. (Cl. 179—100.4)



1. In combination, a channel for translating audio frequency signals, means including a high pass filter coupled to said channel for attenuating the high audio frequency signals therein while permitting the translation of lower audio frequency signals, and means responsive to the intensity of the high audio frequency signals in said channel for controlling the attenuation of said signals by said attenuating means.

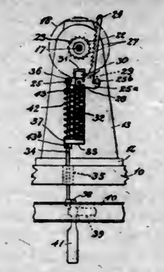
2,425,969
METHOD AND APPARATUS FOR CONDUCTING GASEOUS REACTIONS IN THE PRESENCE OF SOLID PARTICLES
Ernest Utterback, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 20, 1944, Serial No. 531,924
16 Claims. (Cl. 196—52)



8. A method for converting hydrocarbon vapors in the presence of a particle form solid contact material and for regenerating said solid material comprising the following steps: passing said solid material cyclically through a conversion zone and a regeneration zone which are in such heat exchange relationship with each other that the maximum distance of any contact material particle in the regeneration zone from a surface of heat transfer with said conversion zone is less than about one inch, passing hydrocarbon vapors at a controlled rate and temperature through said conversion zone in contact with said solid contact material, while preventing the flow of said vapors into said regeneration zone, passing combustion supporting gas through said regeneration zone in contact with spent solid contact material at a controlled rate and temperature thereby burning from said solid contact material contaminant deposited thereon in said conversion zone, said regeneration gas being substantially prevented from entering said conversion zone, and at the same time selectively counteracting any substantial trend towards change in the range of temperatures of said solid contact material in said conversion zone and in said regeneration zone by adjustment of the rate of cyclic flow of said solid contact material, the adjustment being in a direction opposite to the direction of said trend towards change in the range of temperatures in said conversion and regeneration zones.

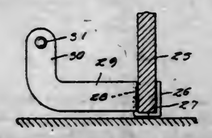
2,425,970
SEWING MACHINE
James H. Van Vorst, Dumont, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application April 1, 1944, Serial No. 529,083
15 Claims. (Cl. 112—221)

1. A needle advancing and retracting device for a sewing machine having a clutch adapted to be connected with the needle-driving mechanism of the machine to adjustably operate same, said clutch having means yieldably holding it in disengaged position; a member mounted for engagement by the lower limb of the operator and movable in response to pressure thereon by the operator; and means connecting said member to said clutch for causing engagement of, and for driving the clutch in response to movement of the operable member whereby the needle driving



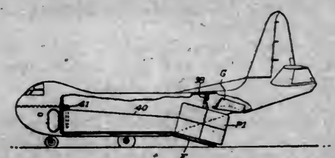
mechanism of the machine is adjustably operated to advance or retract the needle, the reverse movement of the operable member causing the clutch to disengage in response to said yieldable means and free the needle-driving mechanism for sewing.

2,425,971
EXERCISING DEVICE
Matt Walker, Seattle, Wash.
Application May 22, 1944, Serial No. 536,782
2 Claims. (Cl. 272—57)



2. An exercising device comprising a horizontal bar, a pair of L-shaped supporting arms for said bar, said arms being positioned with one side thereof vertical and the other side thereof horizontal, and a channel-shaped base member secured at one side thereof to the free ends of said horizontal sides, and the channel having a width such that the lower edge of a door may be positioned therein.

2,425,972
AIRCRAFT CONSTRUCTION FOR HANDLING CARGO
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1944, Serial No. 535,460
18 Claims. (Cl. 244—137)



7. In an airplane in combination, a fuselage provided with a bottom opening, a strong frame bordering said opening, closure means for said opening, said fuselage above said opening comprising vertical bulkheads secured on the sides to said frame, a hoist mounted on the top of the

fuselage interiorly above the mid-width of said opening, and strut means bracing the hoist mounting to adjacent bulkheads and to the sides of said frame.

8. In an airplane in combination, a body provided with a bottom opening, a ramp mounted for hinging movement in one end of the opening and forming part of the body shell when closed, and clearance closure means separate from the ramp mounted for hinging movement in the other end of the opening and forming part of the body shell when closed, the ramp and clearance closure means together completely closing the bottom opening.

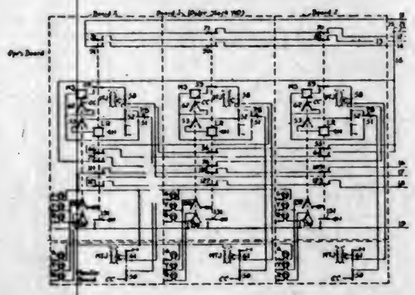
2,425,973

AIRPLANE APPROACH CONTROL SYSTEM

Sedgwick N. Wight, Oscar S. Field, and Nelson B. Coley, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application June 16, 1945, Serial No. 599,854

34 Claims. (Cl. 177—353)



28. In a multiple operator airplane dispatching system, a plurality of indication boards one for each of a plurality of operators for depicting at least a route portion over which all operators may at times display the presence of airplanes, manually operable devices on each board, indicating devices on each board for displaying various conditions of occupancy, means for causing different indications to be displayed as to the common route portion on the various indicating boards depending upon whether the indication on a particular board is due to the operation of a manually operable device on that board or is due to the operation of a manually operable device on another board, and means for preventing a second operator from changing a display set up by a first operator.

2,425,974

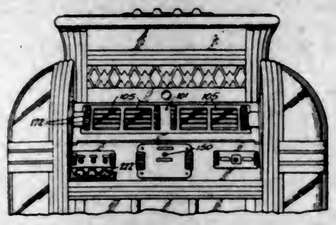
AUTOMATIC PHONOGRAPH

Marion R. Winkler, Milwaukee, Wis., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois

Original application June 26, 1940, Serial No. 342,419. Divided and this application February 17, 1942, Serial No. 431,252

20 Claims. (Cl. 194—15)

2. In an automatic phonograph, in combination, a switch, stepping means opening said switch in its initial position, coin-actuated means for controlling the movement of said stepping means away from initial position by a plurality of steps corresponding to the value of coins inserted, electromagnetic means for returning said stepping means step by step towards initial position, individual manually operable selector means each corresponding to an individual recording, means cooperating with said selector means for effecting selection of the corresponding recording, a relay controlled by said individual selector means and adapted to energize said



electromagnetic means, and means on said selector means for maintaining the relay energized for a definite period after the selector means is released.

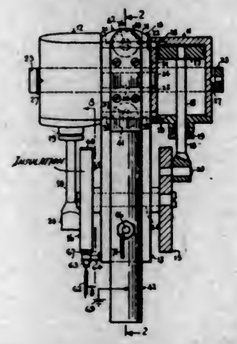
2,425,975

DEVICE FOR MAKING SOUND EFFECTS

Louis John Witte, Beverly Hills, and Benjamin Harrison Southland, West Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York

Application April 5, 1944, Serial No. 529,686

9 Claims. (Cl. 177—7)



1. A device of the character described comprising a cylinder having a piston reciprocably mounted therein, means for supplying a compressed combustible gas to said cylinder at one side of said piston, means for supplying compressed air to the opposite side of said piston to reciprocate the same, a chamber for collecting and mixing the exhaust from both sides of said piston, and means for intermittently igniting the mixture in said chamber.

2,425,976

PROCESS OF PREPARING CEMENT POWDERS AND ACIDPROOF MORTARS

Karl Dietz, Kronberg in Taunus, Germany; vested in the Attorney General of the United States

No Drawing. Application February 26, 1941, Serial No. 380,605. In Germany February 9, 1940

14 Claims. (Cl. 106—84)

1. A process of producing acid-proof, self-hardening mortars which after hardening are capable of swelling in contact with water which comprises mixing an acid-proof filling material, a metal compound which by reaction with the alkali of water-glass precipitates silicic acid and a finely ground slag obtained in producing and processing metal alloys with an alkali metal silicate and water.

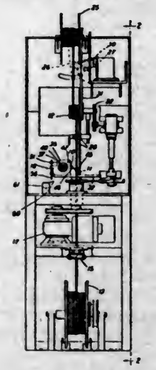
2,425,977

CORE COVERING APPARATUS WITH TENSION CONTROLLING AND STOPPING MEANS

George P. Adams, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 28, 1946, Serial No. 650,997

8 Claims. (Cl. 57—19)



1. A tensioning device, which comprises a filament supply, means for advancing a filament from the filament supply, means for driving the filament-advancing means, means for stopping the filament-advancing means if the tension on the filament becomes greater than a predetermined amount, and means for stopping the filament-advancing means if the tension on the filament becomes less than a predetermined amount.

2,425,978

FOUNDRY MOLD COATING

Louis E. Anderson, Jr., and Robert A. Coolahan, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 13, 1943, Serial No. 510,208

2 Claims. (Cl. 22—189)

1. A foundry core or mold, the comminuted refractory mold material of which is bonded with a binder, and the surfaces of which comminuted refractory mold material are smoothly coated with a surface binder consisting of a chlorinated derivative of paraffin wax containing from about 30% to about 85% combined chlorine.

2,425,979

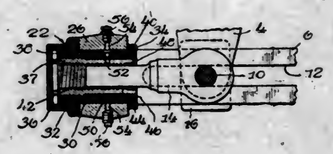
SLACK ADJUSTER FOR RAILWAY BRAKE RIGGING

Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application September 16, 1944, Serial No. 554,378

12 Claims. (Cl. 188—197)

1. In a brake slack adjuster, a casing adapted for connection to an associated brake element, a screw having one end extending into an opening through said casing and the other end formed for connection to another brake element, a nut rotatably mounted in said opening and projecting from said casing on opposite sides thereof, means for preventing axial movement of said nut with respect to said casing including a flange integral with one end thereof engaging one side of said casing and a cap fixed to the other end thereof



engaging the other side of said casing, a sleeve within said nut and receiving said screw, said sleeve having threaded engagement with said screw and nut at one end thereof, whereby rotation of said nut causes longitudinal movement of said sleeve and said screw, and stop means for preventing extension of said screw and sleeve beyond predetermined limits.

2,425,980

SCREEN FOR TELEVISION

John Logie Baird, London, England; Kew Edwin Shelley, executor of said John Logie Baird, deceased

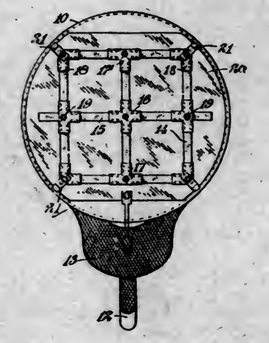
Application July 2, 1945, Serial No. 602,910

In Great Britain April 28, 1944

Section 1, Public Law 690, August 8, 1946.

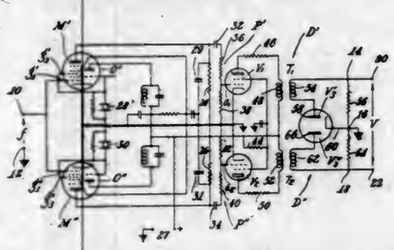
Patent expires April 28, 1964

5 Claims. (Cl. 250—164)



1. In a cathode-ray tube the combination of a bulb of substantially spherical form to withstand the external pressure due to its evacuation, and provided with a small opening through which it can be evacuated, a fabricated flat frame occupying a substantially diametral plane of said bulb comprising a plurality of parts inserted through said opening in the bulb and assembled together therein, a flexible fluorescent screen secured on said flat frame, and a closure applied to said opening in the bulb after it has been evacuated.

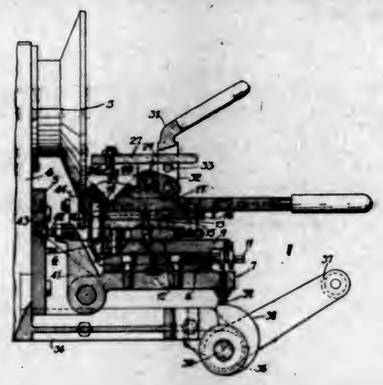
2,425,981
BALANCED FREQUENCY DISCRIMINATOR
Elliott Bard and Manuel Julio Kobilsky, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., trustee
Application October 27, 1943, Serial No. 507,844
6 Claims. (Cl. 250—17)



1. A balanced frequency detector having zero output at a frequency value of a variable frequency wave corresponding to the mean frequency of two fixed reference frequencies, comprising a first crystal-controlled oscillator for generating a wave having the lower of said reference frequencies, a second crystal controlled oscillator for generating a wave having the higher of said reference frequencies, first and second thermionic mixer tubes each having an injector grid, a signal grid and an output electrode, means to connect said signal grids in parallel and to apply thereto said variable frequency wave, means to couple said first and said second oscillators to the injector grids of said first and second mixer tubes respectively, frequency counters coupled to the output electrodes of said mixer tubes for deriving a first and a second voltage proportional to the frequency of the difference frequency waves generated in the output circuits of said first and said second mixer tubes respectively, each of said frequency counters comprising a direct current source, an inductance connected thereto, means to vary the current a like value for each half period of like sign of the respective difference frequency wave and thereby generate voltage impulses across said inductances, and means to integrate the voltage impulses to produce a voltage, and means to connect the respective frequency counters in push-pull to produce an output voltage varying as the difference of the respective derived voltages and which is zero for said mean frequency value of the variable frequency wave and proportional to the deviation of said variable frequency wave from said mean frequency value.

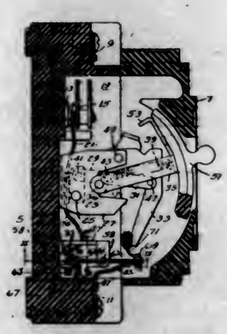
2,425,982
GRINDING MACHINE
Ralph L. Basley, Jackson Heights, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application October 5, 1944, Serial No. 557,260
7 Claims. (Cl. 51—122)

1. In a machine for grinding an arcuate profile upon a workpiece, a grinding wheel having a radial, planar, grinding face, means for rotating said grinding wheel about an axis perpendicular to said grinding face, a slide movable parallel to said grinding face, a holder for the workpiece mounted on said slide for rotation about an axis at right angles to the direction of movement of the slide and parallel to the plane of said grinding face and spaced therefrom by the dimension of the radius of the desired arcuate profile, and means connected to said workholder for effecting



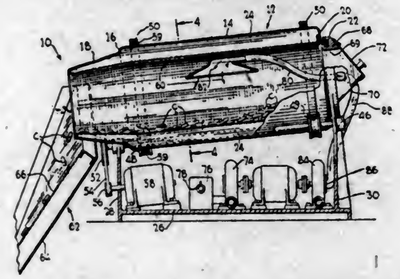
reciprocation of the slide as an incident to the rotation of the workholder about its pivotal axis.

2,425,983
THERMAL AND MAGNETIC TRIP CIRCUIT BREAKER
Melvin Bingenheimer, East McKeesport, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1943, Serial No. 495,979
8 Claims. (Cl. 200—88)



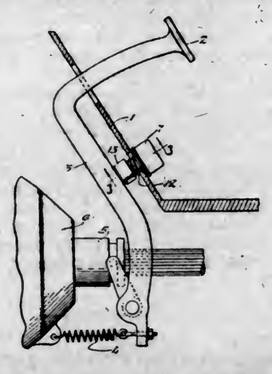
1. In a circuit breaker, a trip device comprising a bimetal trip element heated in response to current of the circuit and having a high expansion side and a low expansion side, means pivotally mounting said bimetal element adjacent its midportion, stop means engaging the low expansion side of said element adjacent one end thereof and permitting pivotal movement of said end away from the stop means, said bimetal element bending when heated a predetermined amount in response to overload current to cause tripping of the circuit breaker, and electromagnetic means energized in response to the current of the circuit and acting on said bimetal element on the same side of its pivot as does said stop means for moving said bimetal element about its pivot to instantaneously cause tripping of the breaker upon the occurrence of an overload current above a predetermined magnitude.

2,425,984
METHOD FOR CLEANING CAPSULES AND THE LIKE
Stanley Blackman, Brooklyn, N. Y.
Application September 26, 1942, Serial No. 459,852
6 Claims. (Cl. 134—7)



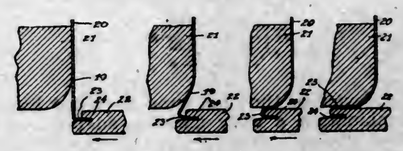
1. A method for cleaning dust films from the external surfaces of articles such as capsules or the like, comprising agitating a mass of such articles under conditions of normal atmospheric humidity, depositing upon such articles, while they are being agitated, a granular cleaning substance comprising a crystalline compound partially ionizable under conditions of normal atmospheric humidity, and removing said substance after it has passed through said mass.

2,425,985
CLUTCH WEAR SIGNAL
Otto J. Blomberg, Chicago, Ill., assignor, by mesne assignments, of one-half to Katharine C. Barnett, Glencoe, Ill.
Application January 22, 1944, Serial No. 519,290
6 Claims. (Cl. 192—110)



1. In combination with the floor board and clutch mechanism comprising clutch plates of an automobile, of a circuit closer mounted on said floor board, a spring normally holding said circuit closer in open position, a clutch throw out lever, a lever return spring normally holding said lever in engagement with said circuit closer, said circuit closer serving as a resilient stop for the spring actuated movement of said lever, said return spring being insufficient to overcome said circuit closer spring and spring means for holding the clutch plates in operative relation to each other and sufficiently powerful to overcome said circuit closer spring whereby said circuit closer is closed whenever the clutch requires adjustment.

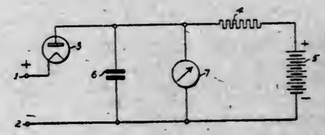
2,425,986
METHOD AND APPARATUS FOR FORMING THE RIMS OF CYLINDRICAL SHELLS
Daniel Bohm, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application August 11, 1941, Serial No. 406,366
6 Claims. (Cl. 113—120)



1. A method of forming a relatively deep draw adjacent the edge of a moving wall of sheet metal which comprises pre-shaping and trimming one edge of said wall, setting up movement between the wall and forming units of predetermined shape, subjecting said wall to said forming units during relative movement between said units to shape said wall, confining said preshaped edge in one plane during a portion of said relative movement by one of said forming units, and, after a predetermined relative movement of said units, unwrapping said flange around one of said units and confining said edge between overlapping portions thereof in a different plane.

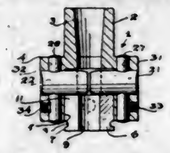
3. That step in the method of forming the rim of a tub in a necking-in operation which comprises, in a continuous step, confining a portion of said rim spaced from the edge between moving surfaces of axially spaced forming elements during the entire step, temporarily confining a portion of the rim directly adjacent the edge in one plane between spaced surfaces of one of said elements while moving said elements relative to each other, and during continuous movement of said elements, causing additional relative movement to move said last named edge portion out from between said spaced surfaces and into the axial space between the moving surfaces where it is further shaped in a different plane.

2,425,987
CIRCUIT FOR MEASURING MINIMUM VALUES OF UNIDIRECTIONAL VOLTAGE PULSES
John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1943, Serial No. 501,777
4 Claims. (Cl. 171—95)



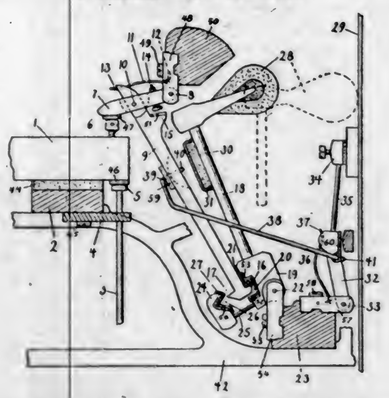
2. Voltage measuring apparatus comprising a source of constant potential and a resistor in series, a lead extending from each end of the series, a capacitor shunted by a voltage measuring instrument connected between the leads, a rectifier having its anode connected to the positive lead, a terminal connected to the cathode of the rectifier and a terminal connected to the negative lead of the potential source.

2,425,988
CHUCK TOOLHOLDER
Ernest J. Brisben, East Cleveland, Ohio
Application February 14, 1945, Serial No. 577,787
2 Claims. (Cl. 279—103)



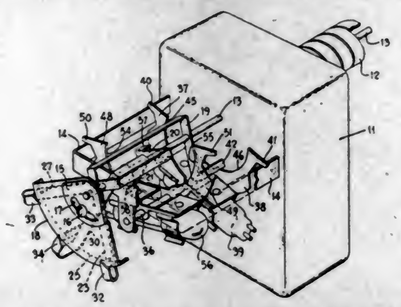
2. A device of the character described having in combination a body member adapted to be securely engaged upon the spindle of a machine tool, a recess within said body member adapted to receive a centering guide member and driving means for an operating tool, a pair of cylindrical jaw members having notched ends engaged through openings in said body member with the notched ends projecting into said recess, holding pins engaged through openings positioned transversely of said cylindrical jaw members, set screws engaged in said body member for locking said holding pin, a centering member engaged in the recess of said body member immediately beneath said driving jaws, and set screws extending transversely through openings in said body member to hold said centering member securely in position.

2,425,989
PIANO ACTION
Alexander P. Brown, Beechhurst, Long Island, N. Y.
Application January 9, 1946, Serial No. 639,923
9 Claims. (Cl. 84—240)



1. A piano action comprising a key having a back part moving up when the key is struck, an arm having a fixed pivot positioned farther backward than the back end of said key and having a part extending over said key part and drivingly contacted by the same whereby said part moves up when the key is struck, a jack hinged to said arm and extending from said hinge down, the lower end of said jack being positioned considerably lower than said key and having a back projection, and a hammer having a shank positioned at the back side of said jack and having a butt affixed to the lower end of said shank, and having a recess at its front side and a fixed pivot, said recess and said jack projection releasably engaging each other.

2,425,990
CONTROL DEVICE
Wilbert C. Buescher, Alhambra, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application June 6, 1945, Serial No. 597,909
9 Claims. (Cl. 74—96)

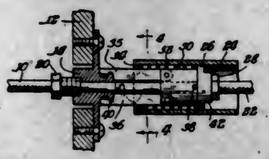


1. In a control device: a member mounted for rocking movement between two positions, an element movable along a path in opposite directions from a neutral position for rocking said member to corresponding ones of said positions, and means for preventing displacement of the member from its rocked positions comprising a pair of surfaces formed on the member and cooperable with said element, said surfaces being so disposed that when the member is in a given one of said positions one of said surfaces conforms substantially to the path of continued movement of the element in the direction which caused rocking of the member to that position.

2,425,991
PREPARATION OF DIFLUOROETHANE
Robert E. Burk, Donald D. Coffman, and George H. Kalb, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 7, 1945, Serial No. 633,556
7 Claims. (Cl. 260—653)

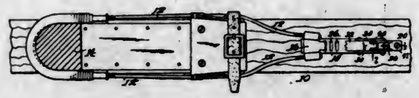
1. Process of preparing 1,1-difluoroethane which comprises reacting acetylene with hydrogen fluoride in the liquid phase having dissolved therein at least 1.0% by weight of the hydrogen fluoride, of boron trifluoride, under substantially anhydrous conditions at a temperature of —20° C. to 65° C. and a pressure less than 200 lbs. per square inch.

2,425,992
QUICK-ACTING CONNECTION
Alvin A. Cadwallader, Philadelphia, Pa., assignor to Teleflex Incorporated, Philadelphia, Pa., a corporation of Delaware
Application June 20, 1945, Serial No. 600,457
6 Claims. (Cl. 64—4)



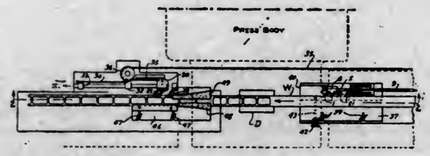
1. A quick-acting connection for control cables including in combination a pair of sheaths, elongated control members housed within said sheaths for movement therein, said control members having their ends projecting from said sheaths and formed with interlocking means, a detent attached to one of said sheaths, a pivoted member attached to the other of said sheaths, said pivoted member being formed with a portion adapted to engage said detent, a sleeve for holding said pivoted member in detent-engaging position, and a spring for urging said sleeve to holding position.

2,425,993
SKI BINDING HITCH
Elbert H. Carroll, West Boylston, Mass.
Substituted for application Serial No. 442,189, May 8, 1942. This application June 16, 1945, Serial No. 599,801
3 Claims. (Cl. 280—11.35)



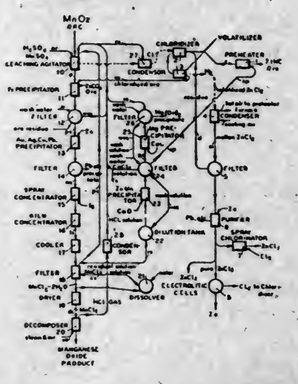
1. A ski binding hitch for tensioning the cables of a ski harness comprising a bracket adapted to be secured to the ski, an adjusting bar arranged slidably on said bracket, a toggle joint connected to said bracket and bar for clamping them in cable-tensioned relation, spaced ears on the bracket for pivotally mounting a part of said toggle joint, a guard plate located in fixed relation forwardly of said ears and extending rearwardly and upwardly substantially in conformance therewith to form a housing with said ears, and a pin extending between the ears and pivotally mounting the toggle joint, said guard plate overlying the pin.

2,425,994
PRESS FEED
William D. Chilton, Memphis, Tenn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 19, 1945, Serial No. 617,234
13 Claims. (Cl. 164—117)



1. An automatic feed for punch presses or the like, having in combination a lever arm arranged to be swung by a movable part of the press, a slide guided toward and away from the punching tool of the press, a guide for one edge of a strip of stock, one or more gripping fingers mounted upon the slide for engaging the opposite edge of the stock and causing it to bear against the guide and for feeding the stock when the slide moves and connections between the lever arm and the slide to automatically move the slide with the movement of the movable press part.

2,425,995
PROCESS FOR TREATING OXIDIZED ORES OF ZINC
Niels C. Christensen, Salt Lake City, Utah, assignor to Combined Metals Reduction Company, Salt Lake City, Utah, a corporation of Utah
Application January 17, 1944, Serial No. 518,620
12 Claims. (Cl. 23—97)



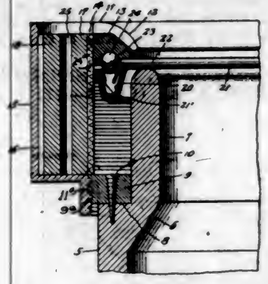
1. The process of treating oxidized zinc ores containing iron oxide and comprising a chloridizing step, which consists in mixing the ore with carbon in proper proportion to secure selective chloridizing of the zinc and not of the iron, heating said mixture, treating said mixture with chlorine to selectively chloridize the zinc and not the iron, and distilling off the $ZnCl_2$ thus formed.

2. The process of treating oxidized zinc ores containing iron oxide together with other oxidized ores of other metals in the group consisting of manganese, lead and silver and comprising a chloridizing step, which consists in mixing the ore with carbon in proper proportion to secure selective chloridizing of the zinc and of said other metals and not of the iron, heating said mixture, treating said mixture with chlorine to selectively chloridize the zinc and said other metals and not the iron, distilling off the $ZnCl_2$ thus formed, condensing the distilled $ZnCl_2$ to liquid $ZnCl_2$, filtering said liquid $ZnCl_2$ to remove any contained solid impurities therefrom, treating said filtered $ZnCl_2$ with metallic zinc to precipitate therefrom metals below zinc in the electromotive series, and removing said precipitated metals to secure clean $ZnCl_2$.

2,425,996
PERCUSSION DRUM
Charles P. Cordes, Elizabeth, N. J.
Application August 31, 1944, Serial No. 552,051
8 Claims. (Cl. 84—411)

1. A drum construction comprising a shell, a retaining hoop adjustably threaded on said shell at one end of the latter, the retaining hoop being spaced from the adjacent end portion of the shell to provide an annular space therebetween, a flesh hoop freely movable in said space longitudinally of the shell, a sheet of skin stretched over the end of the shell and having its marginal portion wrapped about the flesh hoop, a combined tensioning ring and ring gear threaded in said retaining hoop outwardly of said flesh hoop, a thrust ring interposed between the flesh hoop and the combined tensioning ring and ring gear and engaging the skin at the outer side of said flesh hoop, anti-friction elements carried by the

combined tensioning ring and ring gear and engaging the thrust ring, and means carried by



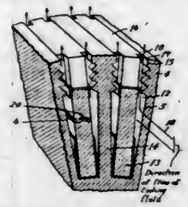
the retaining hoop for rotating said tensioning ring and ring gear.

2,425,997

ROTOR-SLOT VENTILATION FOR DYNAMO-ELECTRIC MACHINES

Harry E. Criner and Bennie A. Rose, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 14, 1944, Serial No. 540,298
4 Claims. (Cl. 171—252)



1. A dynamo-electric machine having a slotted core, axially extending winding-portions lying in slots of said core, and means for cooling said winding-portions, characterized by said winding-portions lying in a stack of superposed layers in said slots, each stack of slot-lying winding-portions having the bottom of the stack disposed near the bottom of its slot, and having the top of the stack extending up towards the slot-opening at the top of the slot, each of a plurality of said slots having an axially extending ventilating-space on at least one side of the stack of winding-portion layers in that slot, and slot-closing wedge-means for each slot, said slot-closing wedge-means having one or more radial ventilating-openings therethrough in communication with the ventilating space or spaces of its slot and in approximate radial alignment therewith.

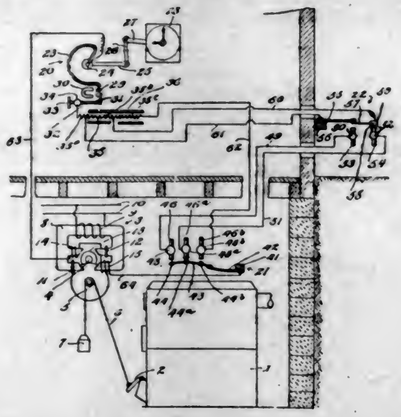
2,425,998

THERMOSTAT CONTROL MECHANISM FOR HEATING SYSTEMS

George W. Crise, Columbus, Ohio, assignor to Crise Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application May 27, 1943, Serial No. 488,708
7 Claims. (Cl. 236—91)

1. Thermostatic apparatus for controlling heating systems, comprising a bimetallic element movably deflectable in its response to temperature variations, a localized heating unit for supplying said element with artificially created heat, said unit embodying an electrically energized sectional resistance means, a second temperature deflectable bimetallic element disposed remotely to said first-named element, a spring member carried by the deflectable end of the second element, a plurality of spaced stationary contact devices mounted adjacent to said spring mem-



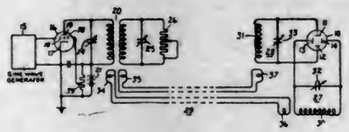
ber and adapted to be engaged sequentially thereby upon unidirectional deflection of said second element, and means electrically uniting said contact devices with the sections of said resistance means operative to energize said means sectionally and collectively to vary the liberation of heat therefrom.

2,425,999

SIGNAL PORTRAYING APPARATUS

Howard M. Crosby, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 20, 1943, Serial No. 514,991
7 Claims. (Cl. 315—24)



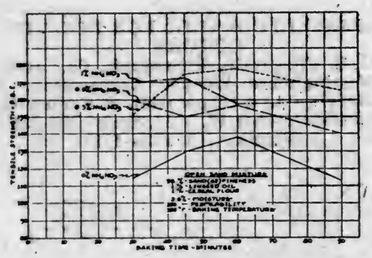
1. A signal portraying apparatus comprising a cathode ray electron discharge device having a fluorescent screen and including an electron beam forming means and first and second deflecting means for deflecting the beam in directions perpendicular to one another, a source of sinusoidally varying waves, a transformer having a primary winding and a secondary winding, said primary winding being connected to said source, means for tuning both said windings to the frequency of said waves, means for coupling said first and second deflecting means respectively to said primary and secondary windings, a variable load element connected across said secondary for adjusting the relative amplitudes of the waves across said primary and secondary windings so that waves of equal intensity may be impressed on both said deflecting means whereby the beam is deflected to produce a circular trace on said screen.

2,426,000

PRODUCTION OF MOLD PARTS

Day E. Cutler, Pittsburgh, Pa., assignor to The J. S. McCormick Co., Pittsburgh, Pa., a corporation of Pennsylvania

Application March 15, 1946, Serial No. 654,715
5 Claims. (Cl. 22—188)



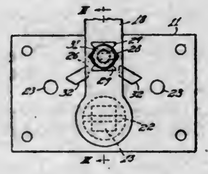
4. That method of making oil bonded sand mold parts comprising the steps of mixing foundry sand, core oil and an aqueous solution of ammonium nitrate in an amount to provide from about 0.1 to 3 per cent by weight of ammonium nitrate, forming the parts from the batch, and then baking said parts, with decomposition of said ammonium nitrate.

2,426,001

SAFETY MECHANISM

Clinton L. Denault, Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 14, 1945, Serial No. 605,051
6 Claims. (Cl. 200—17)



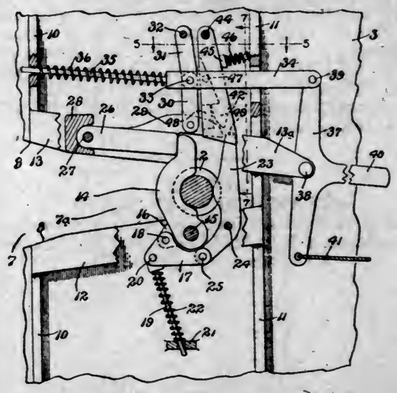
3. In a circuit controlling device, a manually operable switch actuating member having a plurality of switch operative positions, locking means operative upon movement of the switch actuating member to any one of said plurality of switch operative positions for locking said switch actuating member in said position, said locking means being manually releasable from its locking position, means operative upon withdrawal of the locking means from its locking position and movement of the locking means to a predetermined released position for withholding said locking means from its locking position, and means operative upon movement of said switch actuating member from one switch operative position to another switch operative position while said locking means is in said predetermined released position for effecting movement of said locking means from its released position for conditioning said locking means for locking said switch actuating member upon movement thereof to one of said switch operative positions.

2,426,002

FIFTH WHEEL

Gerrit Den Besten, Newton, Iowa, and Cornelius Den Besten, Corsica, S. Dak.

Application October 26, 1944, Serial No. 560,434
10 Claims. (Cl. 280—33.1)



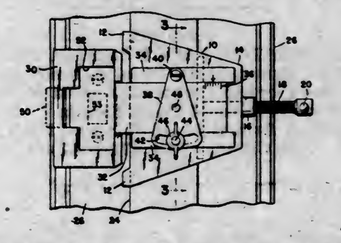
1. A fifth wheel comprising, a body having an entrance slot with one end closed, a holding member pivotally mounted at one side of said slot near the closed end and adapted to swing across said slot to retain a pin therein, a locking bar pivotally mounted on said body and having a swinging end engageable with the swinging end of said holding member to lock it in pin retaining position, the pivot of said locking bar being in substantially direct alinement with the thrust of said holding member thereagainst, a toggle joint retaining device connected to said locking bar and the body and serving to move said locking bar into or out of locking position, the links of said toggle joint being in substantially straight line position when retaining the locking bar in locking position and manual means for operating said toggle joint to move the locking bar out of locking position.

2,426,003

MORTISING GUIDE

Einar B. Dixen, Seattle, Wash.

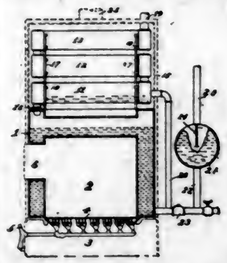
Application September 27, 1943, Serial No. 503,967
2 Claims. (Cl. 145—129)



1. For door frames of the type having, lying alongside the frame surface to be mortised, a stop member for a door or the like, said stop member including opposed faces standing out from the surface to be mortised; a mortising guide, comprising: a C-clamp including a frame portion having a clamping member on one end and a pair of clamping members on the other end, said clamping members being spaced apart and lying on each side of an axis passing through said first mentioned clamping member, said frame portion being cut away between said

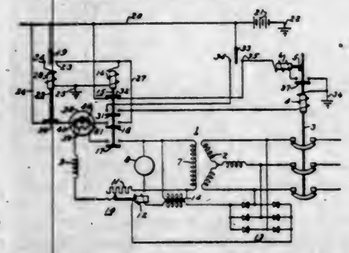
spaced apart clamping members, said frame portion having a groove extending in line with the axis of said first mentioned clamping member, an arm slidable in said groove, a swingable link pivoted to said frame portion, and having connection with said slidable arm and including a slot overlying a portion of said frame portion, means carried by said frame portion and operable in said slot to clamp said link in adjusted position to said frame portion, and means carried by said arm to serve as a guide for a mortising operation and disposable between said spaced apart clamping members in the cut-away part of said frame portion.

2,426,004
STEAM BOILER FURNACE
John R. Evans, Windsor, Ontario, Canada
Application July 21, 1944, Serial No. 545,994
3 Claims. (Cl. 122—214)



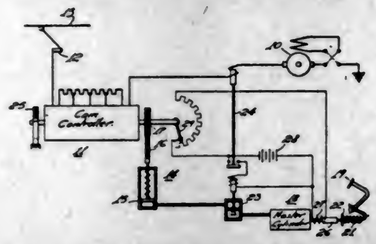
3. A steam boiler comprising a casing having a lower portion constituting water jacketed walls of a fire-box and an upper portion constituting walls of a heating chamber, transversely spaced tubes in the upper portion of the fire-box having ends communicating with the water jacket, and filled with water from the water jacket, super heaters in the heating chamber spaced one above another and communicating with each other, a nipple connecting the top of the water jacket with the lower super heater and projecting upwardly through the bottom thereof, a water line for delivering water to said water jacket, and a pipe leading from the lower super heater to said pipe line and communicating with the said super heater at the level of the upper end of said nipple.

2,426,005
GENERATOR FAULT PROTECTION
Donald W. Exner, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1943, Serial No. 499,189
10 Claims. (Cl. 171—312)



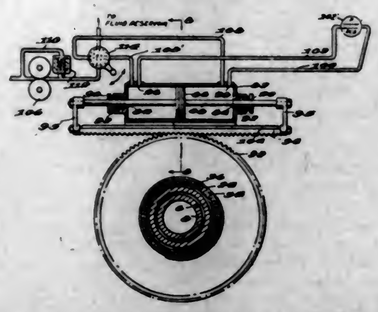
1. In combination, a generator, a field winding for said generator, an exciter connected to supply direct current to said generator field winding, a field winding for said exciter, means for effecting an increase in current in said exciter field winding in response to a drop in the generator voltage, and means responsive only to continued excessive total current in the exciter field winding for effecting deenergization of the exciter field winding.

2,426,006
HYDRAULIC CONTROL FOR ELECTRIC MOTORS
Edward B. Fitzgerald, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 17, 1944, Serial No. 559,075
5 Claims. (Cl. 172—179)



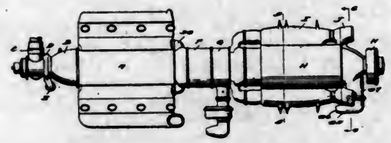
1. In a control system, in combination, a motor, a controller for controlling the operation of the motor, fluid-pressure means for actuating the controller, manually operable means for developing pressure in the fluid-pressure means, valve means for controlling the operation of the fluid-pressure means, relay means responsive to the motor current for controlling the operation of said valve means, and electrical means for varying the pressure in the fluid-pressure means according to the position of the controller.

2,426,007
VARIABLE PITCH PROPELLER ARRANGEMENT
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, England
Application November 14, 1942, Serial No. 465,618
1 Claim. (Cl. 170—163)



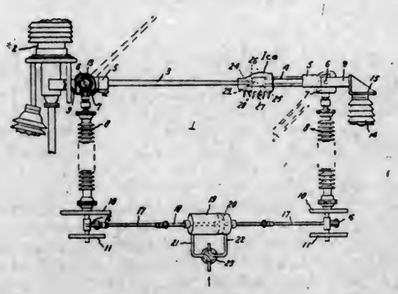
In an airplane propeller pitch changing mechanism, a hydraulic cylinder; a piston in said cylinder; a rack and pinion arrangement drivably connecting said piston with the propeller blades; a first pitch control arrangement comprising a reversible hydraulic pump connected to supply fluid under pressure selectively to either side of said piston; and a booster pitch control operable simultaneously with said first pitch control for causing accelerated pitch changing movement of said blades, said booster control being operable entirely independently of said first pitch control and being connected to said cylinder entirely independently of said first pitch control, said booster arrangement comprising a second hydraulic pump, and a valve for selectively connecting the output of the second pump with either end of said cylinder entirely independently of the supplying of fluid to said cylinder by the pump of said first pitch control arrangement.

2,426,008
POWER UNIT FOR AIRCRAFT AND THE LIKE
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, England
Application July 13, 1944, Serial No. 544,789
7 Claims. (Cl. 170—135.6)



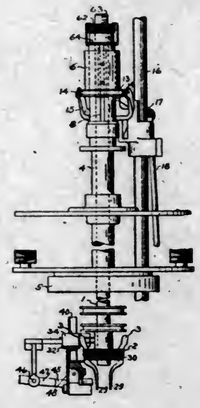
1. A power unit for aircraft and the like comprising, an internal combustion engine, a variable pitch propeller, a supercharger for said engine, a compressor, a series of combustion chambers surrounding said compressor and connected to be supplied by said compresor, each of said combustion chambers terminating rearwardly in a propulsion jet, means for clutching said propeller to be driven by said engine, and drive means connecting said engine to the drive shafts of said supercharger and said compressor.

2,426,009
ELECTRIC SWITCH
Edward J. Frank, Springfield, and Hugh P. Fitzpatrick, Philadelphia, Pa., assignors to General Electric Company, a corporation of New York
Application October 17, 1944, Serial No. 559,064
10 Claims. (Cl. 200—48)



1. An electric switch comprising two insulating supports respectively mounted for rotation about spaced vertical axes, relatively long and short cooperating electric current conducting members respectively mounted on said supports for rotation in a vertical plane, the long member being transversely relatively resilient and the short member being substantially rigid, and means including said supports for rotating said members in the same direction into and out of conducting engagement with each other.

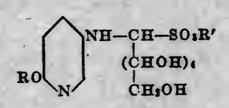
2,426,010
WRAP SPINDLE
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application January 3, 1945, Serial No. 571,153
11 Claims. (Cl. 66—135)



1. For a circular, independent needle, knitting machine having a cylinder and needles, a wrap spindle which includes a shaft, a wrapping head mounted thereon which requires shogging in order to wrap the same needle or needles in each direction of reciprocatory knitting, means adapted to rotate said shaft in either direction in timed relation to said cylinder and other means for shogging said shaft in either direction without affecting the operation of said rotating means.

2,426,011
GLUCOSE BISULFITE COMPOUNDS OF ALKOXY AMINO PYRIDINE
Harris L. Friedman, New York, and Leo D. Braitberg, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York
No Drawing. Application October 19, 1945, Serial No. 623,432
4 Claims. (Cl. 260—211)

1. Compounds having the general formula:



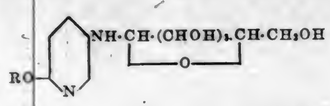
in which R is a member selected from the group consisting of monovalent radicals derived from an aliphatic hydrocarbon having not more than eight carbon atoms and in which R′ is a member selected from the group consisting of hydrogen and alkali metals.

2,426,012
GLUCOSIDAMINO COMPOUNDS OF ALKOXY PYRIDINE

Harris L. Friedman, New York, and Leo D. Braitberg, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York

No Drawing. Application November 14, 1945, Serial No. 628,674
4 Claims. (Cl. 260—211)

1. Compounds having the general formula:

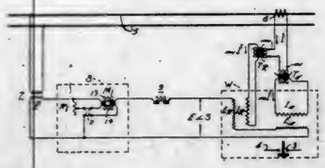


in which R is a member selected from the group consisting of aliphatic hydrocarbon radicals with not more than eight carbon atoms.

2,426,013
DISTANCE-TYPE PRODUCT-RESPONSIVE RELAY

Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 16, 1945, Serial No. 578,158
2 Claims. (Cl. 175—294)



1. An adjustable distance-type product-responsive relay having two diverse cooperating alternating magnetic fluxes, means for so utilizing said fluxes as to produce a torque in response to the product of said fluxes, multiplied by cos $(\phi_0-\phi_r)$, where ϕ_0 is the angle between said two cooperating fluxes, and ϕ_r is the characteristic phase-angle of the relay, and two diverse flux-producing means for producing the respective fluxes, characterized by each of said flux-producing means comprising means for producing a voltage-responsive excitation-component in response to a line-derived voltage, means for producing a current-responsive excitation-component in response to a line-derived current, a common phase-shifter means for causing substantially the same phase-angle S to exist between the two excitation-components of each of said cooperating fluxes at unity power-factor, said phase-shifter means being adjustable to vary said phase-angle S without substantially varying the relative magnitudes of said components, said flux-producing means including circuit-connection means for causing a phase-angle of substantially ϕ_r to exist between the two voltage-responsive excitation-components, and also between the two current-responsive excitation-components, of the two cooperating fluxes, and separate magnitude-adjusting means, one for each of said cooperating fluxes, for substantially independently adjusting the ratio of the relative magnitudes of current-response to voltage-response of each of said cooperative fluxes without substantially varying said phase-angle adjustments.

2,426,014
PREPARATION OF ACYL CYANIDES

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 3, 1944, Serial No. 520,963
10 Claims. (Cl. 260—464)

1. Process for manufacture of acyl cyanides, containing from 2 to 10 carbon atoms per molecule, which comprises reacting hydrogen cyanide with a carboxylic acid anhydride in the vapor phase in the presence of a solid contact absorptive catalyst, and separating the said acyl cyanide from the reaction product.

2,426,015
PREPARATION OF TERTIARY ETHERS

William E. Grigsby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

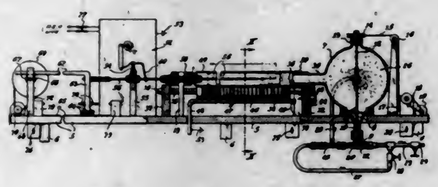
No Drawing. Application August 19, 1944, Serial No. 550,299
4 Claims. (Cl. 260—615)

1. A process for the synthesis of 3-methyl-3-methoxybutanol-1 which essentially consists in heating 4,4-dimethyl-1,3-dioxane with at least 3 moles of methanol per mole of 4,4-dimethyl-1,3-dioxane in the presence of an acid-reacting catalyst at a temperature of from 40° to 90° C. while distilling methylal from the reacting mixture, stopping the distillation when the formation of methylal ceases, thereafter making the resulting mixture alkaline and distilling 3-methyl-3-methoxybutanol-1 from the resultant alkaline residue.

2,426,016
ELECTROSTATIC COATING APPARATUS

Daniel S. Gustin and Albert W. Wainio, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1941, Serial No. 420,940
10 Claims. (Cl. 91—18)



7. An electrodeposition apparatus comprising the combination of means for supporting a container, a gas burner for heating a zone of the wall of said container, a source of unidirectional high potential having one side thereof connected to said gas burner which thereby serves as an electrode, a second electrode on the opposite side of the container wall from said gas burner and connected to the other side of said source of potential, and means for projecting a finely divided material into the field of said potential, whereby said material is caused to be deposited on the wall of said container.

2,426,017
PROCESS FOR PREPARING 1,3-BUTYLENE GLYCOL

Clement H. Hamblet, Gordon Heights, and Ambrose McAlevy, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

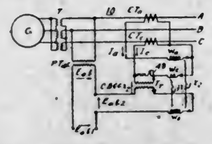
No Drawing. Application October 8, 1943, Serial No. 505,580
2 Claims. (Cl. 260—635)

1. A process for preparing 1,3-butylene glycol which comprises heating aqueous formaldehyde, containing 3 to 10 moles of water per mole of formaldehyde, in the presence of sulfuric acid in quantity equal to 0.5 to 15% of the amount of water initially present, and 0.1 to 0.4 moles of 1,3-butylene glycol formal per mole of formaldehyde initially present, with propylene for about 20 to 60 minutes at a temperature of about 100° to 200° C. under 400 to 1000 atmospheres pressure thereby converting the aqueous formaldehyde and propylene to an aqueous solution of 1,3-butylene glycol without substantially altering the amount of 1,3-butylene glycol formal in the reaction mixture, and thereafter separating 1,3-butylene glycol from the resulting mixture.

2,426,018
CONTROL NETWORK

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Delaware

Application October 25, 1944, Serial No. 560,299
21 Claims. (Cl. 172—238)



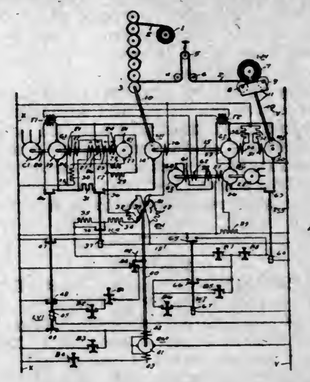
1. A positive-sequence voltage-deriving combination, comprising means for deriving a single phase of a three-phase line-voltage having no zero-sequence voltage-component, means for causing line-current to pass through impedance in such manner as to produce a voltage-drop substantially corresponding to the negative-sequence line-voltage, and means for causing said voltage-drop to be subtracted from said single phase of the line-voltage to produce substantially the positive-sequence component of the line-voltage.

2,426,019
WARD LEONARD CONTROL SYSTEM

Walter R. Harris, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1944, Serial No. 562,865
15 Claims. (Cl. 172—239)

1. An electric drive system comprising a direct-current motor, a direct-current main generator connected with said motor for supplying energization thereto, means for driving said main generator at adjustable speed in order to operate said motor at a corresponding speed, circuit means for controlling said energization in dependence upon the rate of speed change of said main generator in order to cause said energization to increase at a controlled rate during acceleration and decrease at a controlled rate during deceleration of said main generator, said circuit means including an amplifying regulating generator having an armature for providing reversible voltage for varying said energization and having field means for controlling said voltage, and transformer means forming part of said

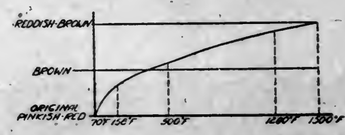


circuit means and having a primary circuit connected with said field means for exciting them in dependence upon the rate of speed change of said main generator.

2,426,020
METHOD OF COLORING GARNET

Frederick P. Hauck, Detroit, Mich.

Application January 13, 1945, Serial No. 572,685
8 Claims. (Cl. 117—100)

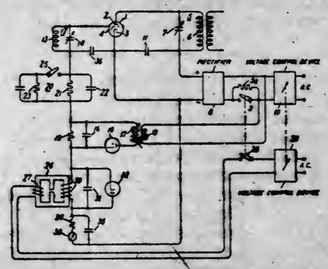


1. The method of coloring divided garnet which comprises, first wetting a batch of garnet with ferric oxide hydrosol which is substantially free of adulterants and then drying the batch to cause the ferric oxide to superficially color the particles.

2,426,021
PULSED OSCILLATOR

Walter Hauss and Alfonso Alvira, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

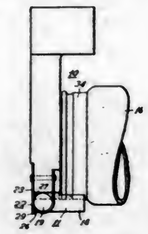
Application October 27, 1944, Serial No. 560,541
5 Claims. (Cl. 250—36)



1. In combination, a self-pulsing oscillator including an electron discharge device having an anode, a cathode and a control electrode, input and output circuits connected to said device and

coupled to support oscillations, said input circuit being connected between said cathode and control electrode, means for supplying to said control electrode a negative biasing potential sufficient normally to maintain said discharge device nonconductive, means comprising a source of alternate positive and negative potential pulses connected in series in said input circuit for impressing pulses on said control electrode, each of said positive pulses having sufficient intensity to overcome said biasing potential and initiate said oscillations, and a second electron discharge device connected across said source to suppress said negative pulses therefrom, whereby only said positive pulses are effective in said input circuit.

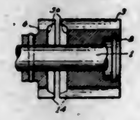
2,426,022
LAMP RETAINING MEANS FOR FLUORESCENT LAMP SOCKETS
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application February 9, 1945, Serial No. 576,953
5 Claims. (Cl. 173—328)



2. A lamp holder of the lamp-locking type for use with tubular lamps having spaced contact pins at the ends thereof comprising, a body member containing spaced contact fingers and having a cooperating slot in the end and front face thereof to receive the contact pins of the lamp, a locking member mounted on the end of the body member adjacent the entrance portion of the slot, said member being in the form of a rectangular block having cylindrical oppositely extending bearing portions at its sides and a square back edge surface extending between said bearing portions, and a clip member having spaced U-shaped portions attached to the end of the body member on said bearing portions to rotatably secure the locking member thereto, said clip member having a spring portion engaging the square back edge surface of the block to retain it in either an open or closed position with respect to the slot in the body member.

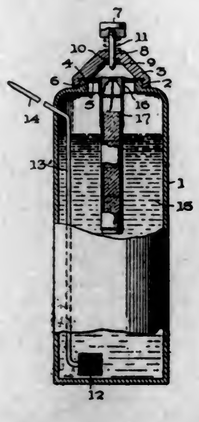
2,426,023
CLUTCH
Kresten L. Jeppesen and Perceval H. Keays, Hamilton, Ontario, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,790
8 Claims. (Cl. 192—67)

2. A clutch comprising, in combination, a pair of externally toothed coaxially mounted and relatively axially movable members of substantially like diameter and having the same number of teeth, the teeth of said members being substantially of the configuration of gear teeth, one of said members having a conical recess in the transverse face confronting the other member, the conical recess having its maximum diameter at the axial extremity of the member which diameter is less than the diameter of the addendum circle defined by the teeth thereof and a minimum diameter somewhat greater than the



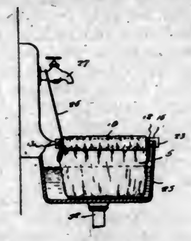
diameter of the dedendum circle defined by the teeth thereof, whereby axially extending tapered teeth are formed, said tapered teeth interlocking with the teeth of the other of said members upon axial movement of one member into engagement with the other.

2,426,024
FIRE EXTINGUISHER
Elwyn Jones, Ardrossan, and John Flanders, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Continuation of application Serial No. 474,070, January 30, 1943. This application December 29, 1943, Serial No. 516,058. In Great Britain March 5, 1942
1 Claim. (Cl. 169—31)



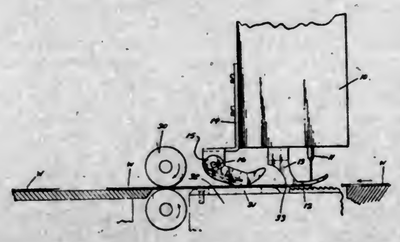
A fire extinguisher comprising in combination a vessel partly filled with a fire extinguishing liquid and having an outlet from which the liquid can be forcibly ejected by internally developed gas pressure, a gas generating cartridge within said vessel containing a compact composition capable of self-sustained exothermic gas generating combustion and an ignition means to start its combustion, said gas generating cartridge comprising a breech portion and a separably attached ejectable combustion chamber portion, said breech portion containing said ignition means, said combustion chamber portion containing a charge of said compact composition, a gas vent in the wall of the said combustion chamber with a space intervening between the charge and the vent, and the shell of the said cartridge being water tight.

2,426,025
SANITARY SINK BASKET
Bertha Justin, Portland, Oreg.
Application April 7, 1944, Serial No. 529,984
1 Claim. (Cl. 4—190)



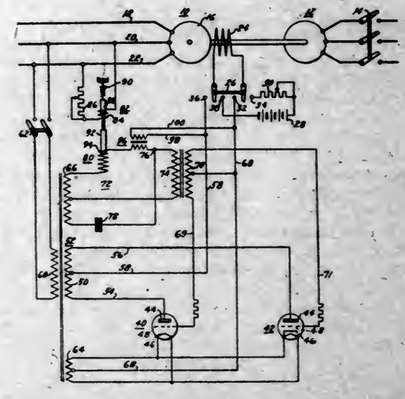
A sink basket of the character described comprising a substantially rectangular water-penetrative fabric bag-like receptacle including a bottom and front, back and end walls, the bottom of the receptacle having on its under side a plurality of elongated pocket formations, separate elongated stiffener strips fitted removably in the pocket formations on the under side of the bottom of the receptacle, each wall terminating at its upper end in an open-ended hem, a rectangular frame including front and rear elongated members and elongated end members, each member being inserted in one of said hems, said frame members having interlocking provision at their respective meeting ends for detachably securing the members together with the end in crossed relation, said frame end members having a hook at one end for detachable engagement over the upper edge portion of the front wall of a sink, said hook defining a slot for the passage of the front member to interlocked position, and a flexible member attached to the rear member of said frame and holding such member in a position interlocked with the frame end members, said flexible member being engageable to a faucet located at the rear end of the frame.

2,426,026
THREAD SEVERING DEVICE FOR SEWING MACHINES
Agnes D. Kehrer, Detroit, Mich.
Application April 20, 1945, Serial No. 589,312
8 Claims. (Cl. 112—252)



1. A thread cutting device for a sewing machine, a work support, work feeding mechanism including means frictionally engaging the work to pull same over said work support after same passes beyond the sewing machine work feeding mechanism, means pivotally supporting said thread cutting device, a knife blade carried by said device, said device supported by said work to elevate the knife blade above said work, said device comprising a knife blade support constructed to position the knife blade at an acute angle to the work with the sharp edge thereof extending in opposed relation to the travel of the work, said device being free to fall by gravity on passing of said work from under said device to lower the cutting edge of said knife into cutting relation with the stitching adjacent to the edge of the work.

2,426,027
REGULATING SYSTEM
Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1943, Serial No. 513,888
4 Claims. (Cl. 171—119)

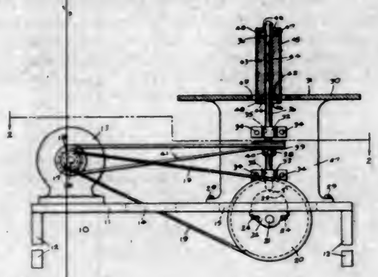


1. In a regulating system, in combination, an alternating-current generator having a field winding, means for controlling the excitation of the field winding comprising a pair of tubes connected in circuit relation for receiving alternating-current energy from the generator and delivering unidirectional current to a field control circuit, means for controlling the output of the tubes comprising a phase shift circuit for shifting the phase angle relation of the alternating current voltage supplied to the tubes, the phase shift circuit including a reactor having a coil member and a core member disposed for movement relative to the coil member, means responsive to a change in the voltage of the generator disposed to actuate the core member of the reactor to control the output of the tubes and thereby control the excitation of the generator, and means responsive to the output of the tubes associated with the phase shift circuit disposed for so controlling the positioning of the core member of the reactor as to modify the shifting of the phase angle relation of the alternating current voltage supplied to the tubes for providing anti-hunt characteristics in the control of the tubes.

2,426,028
SANDING MACHINE
Adolph F. Krueger, Omaha, Nebr.
Application April 16, 1945, Serial No. 588,544
6 Claims. (Cl. 51—34)

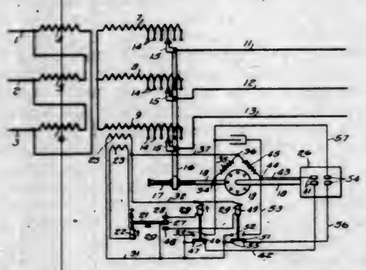
1. A machine for abrading articles comprising a supporting frame, an electrical motor secured to said frame, two pulleys secured on the shaft of said motor, an axle-shaft carried by

said frame, a third pulley on said axle-shaft, a belt reeved over said third pulley and one of the pulleys on said axle-shaft, a cam disposed eccentrically about and secured to said axle-shaft, a rod disposed approximately at a right angle with respect to said axle-shaft, guide-blocks for said rod, the latter having an end disposed in engagement with said cam, a fourth pulley disposed about and secured to said rod and having its faces disposed at approximately a right angle with respect to the faces of the pulleys on said motor



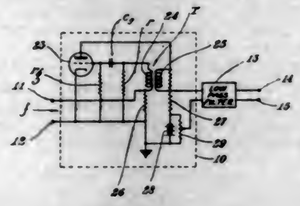
shaft, a second belt reeved over the other pulley of the motor shaft and said fourth pulley, whereby simultaneous rotary and reciprocating movements are imparted to said rod at times when said motor is electrically energized, and a cylinder having an abrasive surface attached to the other end of said rod, said frame having a flat surface adjacent said cylinder upon which work may be guided against said abrasive surface during abrasive movements of the latter.

2,426,029
ELECTRIC MOTOR CONTROLLING APPARATUS
Edmund W. Kuhn, Cortland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1945, Serial No. 610,101
7 Claims. (Cl. 172—239)



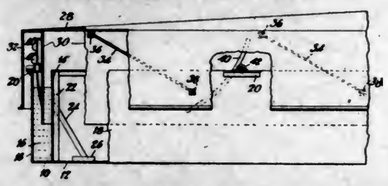
7. A directional switch device comprising a shaft operable in either of two directions of rotation, a screw member having external screw threads thereon, a nut member having internal screw threads meshing with the threads of the screw member and arranged to travel along the axis of the screw member in the one or the other direction within a predetermined range, a friction clutch for biasing said screw member comprising friction members attached to rotate with the shaft on opposite sides of the screw member, resilient means for biasing said friction members toward each other to transmit a frictional torque between the friction members and the screw member for biasing the screw member to rotate in the one or the other direction in accordance with the direction of rotation of the shaft and adapted to slip when the nut member reaches the end of its range of travel in either direction, a pair of switches, a switch arm operatively attached to the nut member and positioned between said pair of switches, a pair of guide blocks positioned on opposite sides of the switch arm when the nut is in the midposition of its travel along the screw member for limiting the rotation of the nut member and switch arm to prevent the operation of said pair of switches by said switch arm when the nut member is in its midposition, said switch arm being operable linearly with the nut member from its midposition upon rotation of the screw member, the guide blocks being arranged to permit lateral movement of the switch arm for operating the one or the other of said switches to a circuit closing position upon travel of the nut member to the end of its range of travel, and means operable upon completion of an operation of the directional switch device for returning the nut member and switch arm to their midposition to effect the return of said switch to a circuit opening position.

2,426,030
OSCILLATING FREQUENCY DETECTOR
Edouard Labin, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 2, 1943, Serial No. 512,617
4 Claims. (Cl. 250—27)



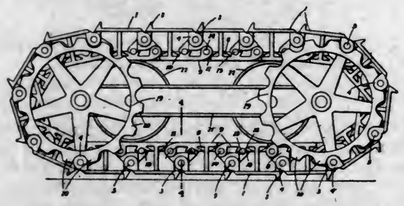
1. A method of detecting the frequency of an electrical oscillation varying around a given mean frequency, which comprises the steps of locally generating electrical impulses of like sign at controllable time intervals in a circuit comprising a source of direct current, said impulses having an area proportionally related to the direct-current voltage of said source and a duration shorter than the periods of the highest frequency to be detected, the time intervals between the impulses corresponding to the natural frequency of the impulse oscillation being equal to the periods of said mean frequency, controlling said time intervals in synchronism with the half waves of like sign of said oscillation to obtain an impulse wave the fundamental frequency of which follows the frequency variations of said oscillation, integrating said synchronized impulses to produce an output voltage proportional to said fundamental frequency and to said direct-current voltage, and simultaneously adding a fraction of said direct-current voltage in opposition to said output voltage to produce a net magnitude of said output voltage which is zero at values of said frequency equal to said mean frequency, for said mean frequency, in the absence of said oscillation and beyond the synchronizability range of said impulses and which is substantially independent of variations in said direct current source.

2,426,031
STABILIZING MEANS FOR MOVABLE ROOFS
Wilbur G. Laird, Pleasantville, N. Y.
Application May 3, 1944, Serial No. 533,869
16 Claims. (Cl. 48—176)



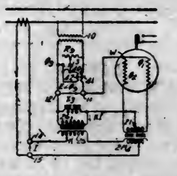
1. A mechanism for holding the vertically movable cover of a stationary vertical cylindrical type fluid storage container to its normal path of motion with respect to the container as the volume of stored fluid changes, comprising a plurality of at least three spaced flexible cables of substantial and of equal length distributed around said cover, each cable having one end attached to the cover a substantial distance from its center and the other end attached to a fixed part of the container, each of said cables being attached to the cover and container in the same relative positions and all cables being mounted at the same angle with respect to a horizontal plane as determined in one direction around the cover, means separate from said cables for maintaining said cover under rotational tension with respect to said container and to thereby hold all of the flexible cables at the same angle with a horizontal plane as determined in one direction around the cover and to positively maintain said cables in a substantially taut condition, whereby said cover is caused to rotate with respect to said container when the cover moves up and down.

2,426,032
TRUSSED TRACK
Harry Y. Law, Merced, Calif.
Application June 7, 1943, Serial No. 489,910
8 Claims. (Cl. 305—10)



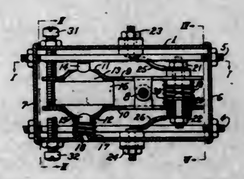
1. An endless track unit comprising a plurality of links; each link comprising a shoe, a pair of connecting-pin bosses on the shoe at one end spaced transversely and a central pin-boss at the other end, webbing connecting the bosses inwardly of and spaced from the shoe, the webbing at one end being transversely forked over said bosses and extending lengthwise of the link beyond the bosses and at the other end being centrally of the central boss and extending lengthwise of the link beyond said boss, to form a tongue fitting the forked portion of an adjacent link, a transverse pin fixed in the webbing at the outer end of the forked position, a transverse pin projecting from both sides of the tongue at its outer end, and pin-seating saddles formed in the webbing in facing relation to the shoe in position to receive the corresponding transverse pins of adjacent links when said links are in straight-line position.

2,426,033
DISTANCE TYPE PRODUCT RESPONSIVE RELAY
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1945, Serial No. 578,161
9 Claims. (Cl. 175—294)



1. An adjustable distance-type product-responsive relay having two diverse cooperating alternating magnetic fluxes, means for so utilizing said fluxes as to produce a torque in response to the product of said fluxes, multiplied by cos $(\phi-\phi_r)$ where ϕ is the angle between said two cooperating fluxes and ϕ_r is the characteristic phase-angle of the relay, and two diverse flux-producing means for producing the respective fluxes, characterized by each of said flux-producing means comprising means for producing a voltage-responsive excitation-component in response to a line-derived voltage, and means for producing two current-responsive excitation-components in response to a line-derived current, said two current-responsive excitation-components being added, one to the other, in one flux, and subtracted, one from the other, in the other flux, a first adjustment-means for jointly varying a first one of the two current-responsive excitation-components of both fluxes, and a second adjustment-means for jointly varying the second one of the two current-responsive excitation-components of both fluxes, said two flux-producing means including circuit-connection means for causing a phase-angle of substantially ϕ_r to exist between each of the corresponding excitation-components of the two cooperating fluxes.

2,426,034
INERTIA RESPONSIVE DEVICE
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1943, Serial No. 491,322
8 Claims. (Cl. 200—52)



1. In an inertia responsive device, in combination, a base subject to shock in normal use, a pair of parallelly disposed levers pivoted intermediate their ends on the base, outwardly extruded openings in axial alignment with each other in two of the adjacent ends of the levers, a generally spherically shaped inertia member disposed between the levers and opposite relatively small spherical seg-

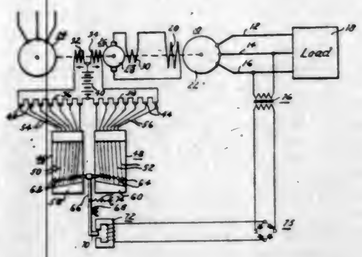
ments of the inertia member fitting into the aligned openings of the levers, whereby any movement of the inertia member relative to the levers causes the ends between which the inertia member is positioned to move away from each other and the other free ends of the levers to move toward each other, and switch means disposed in operable relation to said free ends to be operated by the levers upon movement of the inertia member when the base is subjected to a mechanical shock.

2,426,035

GENERATOR VOLTAGE REGULATION

Simon L. Lindbeck, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 20, 1943, Serial No. 511,036
3 Claims. (Cl. 171—312)



1. In an electrical system, in combination, a dynamo-electric machine disposed to supply a load, the dynamo-electric machine having an armature winding and a field winding, a direct-current exciter having a main series field winding connected in series circuit relation with the field winding of the dynamo-electric machine, a pair of opposed auxiliary field windings for the exciter, a rheostat disposed to be connected in circuit relation with each of the opposed field windings, and means comprising a pair of opposed switching units, each having a plurality of self-biased switching members and a common driving element therefor disposed for movement in response to a change in a quantity to be regulated to simultaneously operate the switching units to simultaneously but inversely vary the connections of the rheostats to vary the excitation of the opposed field windings, the opposed field windings and the series field windings of the exciter thereby cooperating to control the excitation of the dynamo-electric machine in a predetermined manner depending upon the change in the quantity to be regulated.

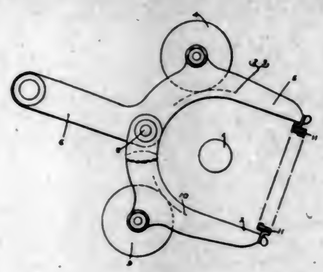
2,426,036

CAM AND FOLLOWER MECHANISM FOR STRAIGHT KNITTING MACHINES

John Edward Lynam, Mapperley, Nottingham, England, assignor to William Cotton Limited, Loughborough, Leicestershire, England

Application January 16, 1946, Serial No. 641,431
In Great Britain January 6, 1945
Section 1, Public Law 690, August 8, 1946.
5 Claims. (Cl. 66—82)

1. In a knitting machine, particularly a Cotton's Patent or other straight bar knitting machine, having a plurality of alternative cams and a common member or follower upon which they are operable alternately, the combination of a counter cam and a follower, upon which it is operative irrespective of which of the alternative



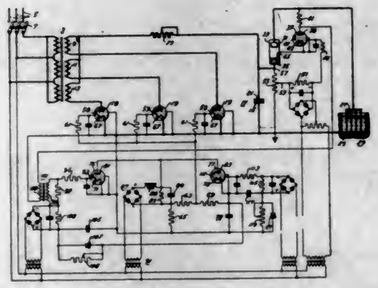
cams is operative, and means connecting the second said follower to the first.

2,426,037

ELECTRONIC CONTROL DEVICE FOR FORMING IMPULSES

John R. Mahoney, Oak Ridge, Tenn., and Harry J. Bichsel, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 14, 1945, Serial No. 605,060
14 Claims. (Cl. 315—246)



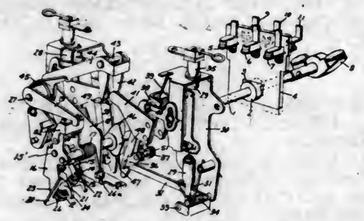
1. In combination, a pair of discharge valves of the arc-like type, each having a pair of principal electrodes with one principal electrode of the first of said valves connected to the corresponding one principal electrode of the second valve, an impedance element connected between the other principal electrodes of said first and second valve, means adapted to function as a source of direct current connected from the junction between said one principal electrodes to an intermediate point on said impedance element, said valves being adapted to be conductive alternately, a capacitor connected in parallel with said impedance element whereby it is charged to opposite polarities alternately with alternate conductivity of said first and second valves, the charge on said capacitor being effective to render non-conductive whichever valve is conductive upon the other valve being rendered conductive, first timing means for rendering said first valve conductive a first preselected time after said second valve becomes conductive, and second timing means for rendering said second valve conductive a second preselected time after said first valve becomes conductive.

2,426,038

CURRENT RESPONSIVE SWITCH

Joseph W. McClain, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 3, 1945, Serial No. 571,140
8 Claims. (Cl. 200—116)



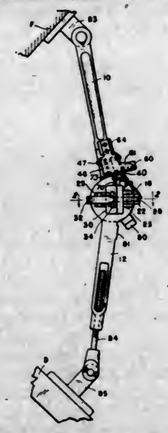
2. A switch comprising cooperating switch contacts at least one of which is movable, a rotatably mounted operating member connected to move said movable contact between open and closed circuit positions when said operating member is turned between two angular positions, said movable contact being moved to its open circuit position when said operating member is turned in a predetermined direction, a carrier member mounted for rotation substantially about the axis of said operating member, a first spring means biasing said carrier member for rotation in said predetermined direction, current responsive means for holding said carrier member against the force of said first spring, a second spring means connecting said operating member to said carrier member for biasing said operating member in an opposite direction to its closed circuit position, and connections connecting said current responsive means in circuit with said contacts for effecting the release of said carrier member in response to a predetermined current in said contacts whereupon said carrier member is turned by said first spring means thereby to turn said operating member in said predetermined direction to its open circuit position.

2,426,039

THERMORESPONSIVE LATCH AND SETTING MECHANISM THEREFOR

Frank McKune, San Francisco, Calif.

Application November 13, 1944, Serial No. 563,207
9 Claims. (Cl. 189—49)



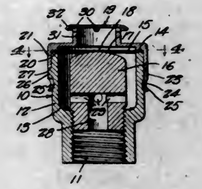
1. A thermo-responsive latch and setting mechanism therefor, comprising: a first arm, a second arm pivoted to said first arm, said first arm having a latching shoulder, an anvil lever pivotally mounted upon said second arm, a latch dog carried by said anvil lever and positioned to engage against said latch shoulder to prevent relative pivotal movement of said arms, a gravity operated hammer to strike said lever and effect withdrawal of the latch dog from behind said shoulder, thermally responsive means for holding said hammer poised in non-striking position, a lifting lever for raising said hammer to the poised position, means to actuate said lifting lever upon movement of both said arms toward the latching position, said means comprising: a cam carried by said first arm, a cam follower carried by said second arm in contact with said cam, a swingably mounted rider cam associated with said lifting lever, and means connecting said cam follower and said rider cam to move the same and actuate said lifting lever in raising said hammer.

2,426,040

CHECK VALVE

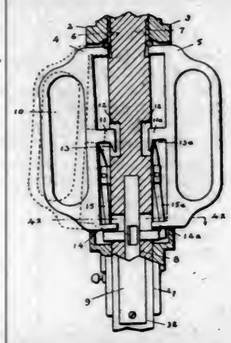
George L. Miller, United States Army, Hackensack, N. J.

Application March 10, 1944, Serial No. 525,926
1 Claim. (Cl. 251—119)



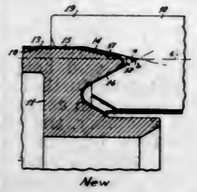
A check valve of the type described comprising a body having a pressure inlet chamber provided with a shoulder, and a bore of smaller diameter than said chamber for connection with a pressure supply means, a cap having outlet means and a pressure outlet chamber and provided with a second shoulder, a valve seat in said inlet chamber threaded into said bore and provided with a convex face and further provided with ports for placing the bore in communication with said pressure inlet chamber, the shoulder of said pressure inlet chamber lying substantially in a plane at the highest point of said convexed face, a diaphragm having its edge margin positioned between said first and second shoulders and provided with an opening normally closed by the convexed face of said seat, said diaphragm separating said pressure inlet chamber from said pressure outlet chamber, with the two chambers having communication only when said diaphragm is lifted off said seat by pressure in said pressure inlet chamber, a slot in said cap and a lug on said body receivable in the slot whereby the cap and body are limited to relative axial movement, a groove in said body, spring fingers formed on said cap, said fingers having formations thereon pressed into said groove when said cap is pressed home whereby said cap and said body clamp said diaphragm with limited pressure between the first and second shoulders through axial movement of the cap with respect to the diaphragm and body and a circular depending flange formed on said cap to shield said outlet means formed in said cap.

2,426,041
PANIC LOCK
John H. Moorhouse, Rochester, N. Y.
Application December 8, 1943, Serial No. 513,394
18 Claims. (Cl. 292—164)



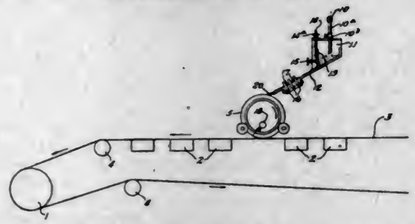
1. A lock having a housing, a bolt mounted to slide therein, a slot in the side of the housing, a slot in the bolt, the slot in the bolt and the slot in the housing being partly in line with each other when the bolt is in extended or locking position, a dog pivoted at the side of the housing and adapted to engage in the slot in the bolt, said dog being adapted to swing to move the bolt back from locking position, a sliding dog mounted on one side of the bolt, the pivoted dog being adapted to engage with and move the sliding dog and the bolt, tumblers adapted to engage the end of the sliding dog and hold the sliding dog and the pivoted dog against movement.

2,426,042
COMMUTATOR
Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1944, Serial No. 545,752
2 Claims. (Cl. 171—320)



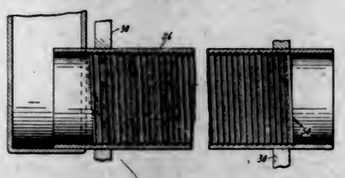
1. A commutator cylinder for a dynamo-electric machine, said commutator cylinder comprising a plurality of commutator bars having V-grooves in both ends thereof and V-rings engaging in said V-grooves to clamp the commutator cylinder together, the V-grooves having diverging inner and outer sides, the inner side of each V-groove making an acute angle with a line parallel to the axis of the commutator cylinder, and the outer side of each V-groove having a portion adjacent the bottom of the groove which makes an acute angle with a line parallel to the axis of the commutator cylinder and having a portion adjacent the end of the commutator bar which is substantially parallel to the axis of the commutator cylinder, said V-rings having diverging inner and outer surfaces, the inner surfaces being conical to engage the inner sides of the V-grooves with a predetermined pressure, and the outer surfaces of the V-rings having a conical portion and a substantially cylindrical portion adapted to engage the end portions of the outer sides of the V-grooves with a predetermined, substantially constant pressure therebetween, the V-rings being proportioned so that they do not engage the bottoms of the V-grooves and so that the conical portions of their outer surfaces do not engage the angular portions of the outer sides of the V-grooves.

2,426,043
METHOD OF AND APPARATUS FOR APPLYING PIGMENT AND OTHER MATERIALS TO PAPER
Gerald D. Muggleton, Appleton, Wis., assignor, by mesne assignments, to Combined Locks Paper Co., Combined Locks, Wis., a corporation of Delaware
Application February 16, 1944, Serial No. 522,568
6 Claims. (Cl. 92—40)



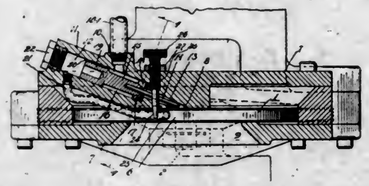
1. In combination, a roll having an interstiched surface rotating in engagement with a web of paper, a liquid suspension header box, and a spillway associated therewith and so arranged relatively to said roll as to deliver said suspension gravitationally onto the surface of the latter in a direction opposed to the direction of rotation thereof and along a line substantially parallel to the axis of rotation of the roll on the down side thereof at a point between the upper crest of the roll and a horizontal plane passing through said axis, said spillway at its delivery end terminating in close proximity to but out of contact with the surface of said roll.

2,426,044
HEAT TRANSFER DEVICE WITH LIQUID LIFTING CAPILLARY SURFACE
William L. O'Brien, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 19, 1941, Serial No. 411,459
12 Claims. (Cl. 257—262)



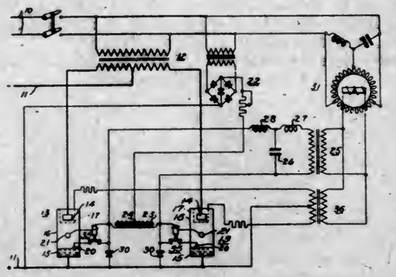
1. A heat transfer device having a wall through which heat is transferred between a fluid on one side and a liquid contacting a portion of the other side, the side of the wall contacted by the liquid having a capillary liquid-lifting surface forming an integral part of the wall structure and extending upwardly from the level of the liquid to carry the liquid upwardly on to the wall surface above the liquid level by capillary action to wet the wall surface with the liquid.

2,426,045
ROTOR GOVERNOR
Rudolph F. Onsrud, Chicago, Ill., assignor to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois
Application August 25, 1945, Serial No. 612,572
6 Claims. (Cl. 253—52)



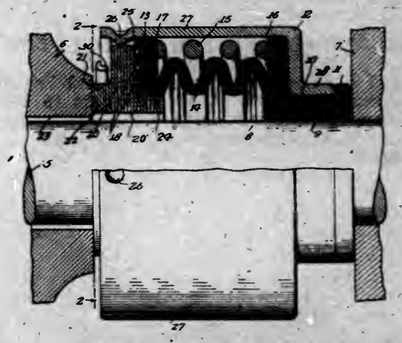
5. The combination with a turbine rotor having a smooth periphery, and a nozzle for directing driving fluid to said rotor, of a governor comprising a throttle valve controlling said nozzle, a driving fluid supply chamber for said nozzle, an actuator for said throttle valve movable in said chamber and normally urged to open said valve by fluid pressure in said chamber, means for by-passing fluid behind said actuator, and a bleeder duct for such by-passed fluid having its outlet opposed to the periphery of said rotor, whereby the escape of fluid from said bleeder duct is controlled by the expansion and contraction of said turbine rotor.

2,426,046
VAPOR ELECTRIC DEVICE
William E. Pakala, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1942, Serial No. 454,372
10 Claims. (Cl. 315—166)



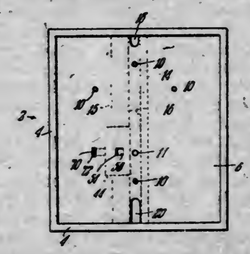
1. An electric current translating system interconnecting a direct-current circuit and an alternating-current circuit comprising at least a pair of alternately conducting valves, each valve having a main anode and cathode in an evacuated container, a starting electrode in each valve, a keep-alive electrode in each valve, a source of alternating potential, circuit means including a saturable reactor for connecting said source of alternating-current potential to said starting electrodes and said keep-alive electrodes, a high impedance reactor connected across the output terminals of said circuit means, a source of direct current, and connections for impressing the potential of said source of direct current between the mid-point of said reactor and the cathodes of said valves.

2,426,047
FLUID SEAL UNIT
Frank E. Payne, Glencoe, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application September 14, 1944, Serial No. 554,039
7 Claims. (Cl. 286—11)



1. In a fluid seal of the class described, a sealing member of rubber-like material having a portion at one end adapted to fit tightly upon a shaft and a flange portion extending outwardly therefrom, a contact extremity at the other end joined by resilient bellows-like folds and the inner faces of the extremity and the flange being substantially parallel, a frictional member engaged by the said extremity, a coil spring surrounding the bellows folds and bearing against the inner sides of the flange and said extremity, and a driving cover sleeve fitting tightly around the shaft engaging portion at one end and having projections at the other end adapted to engage the frictional member to limit its outward movement under the action of the said spring, and engaging means between the cover sleeve and the frictional member for permitting relative longitudinal movement but preventing relative rotative movement between them.

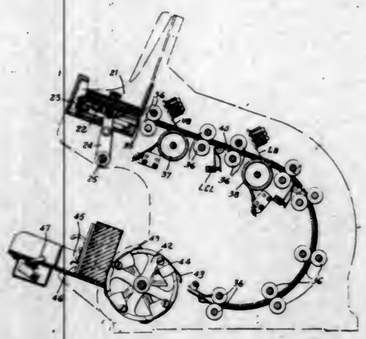
2,426,048
GAME APPARATUS
James M. Prentice, South Hadley, Mass.
Application September 12, 1945, Serial No. 615,755
6 Claims. (Cl. 273—118)



1. A game apparatus comprising in combination, a game board including spaced upper and lower panels, longitudinally extending spaced guide members forming a guideway therebetween for a playing piece, a playing piece in the form of a metal ball, said upper panel provided with entrance and outlet openings leading into the guideway adjacent opposite ends thereof, a plurality of lights, a plurality of contacts spaced along one of said guide members in said guideway, a manu-

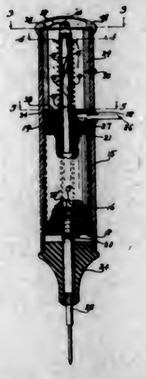
ally engageable contactor movably mounted on the other guide member and towards and away from said contacts for engaging said playing piece between it and one of said contacts for completing a circuit, and circuit means for connecting said contacts, lights and contactor to a source of energy.

2,426,049
RECORD CONTROLLED MULTIPLE LINE PRINTING MECHANISM
Edward J. Rabenda, Binghamton, and Frank J. Furman, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 16, 1943, Serial No. 502,614
2 Claims. (Cl. 101—93)



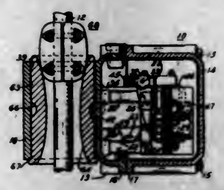
1. In a cyclically operable machine of the class described, two record analyzing stations, means for feeding a record card past said stations in succession, said card having alphabetic items represented thereon in the form of combinational perforations arranged in zone and digit index point positions, a zone storage device, a digit storage device, printing mechanism including zoning mechanism controllable by the zone storage device and listing mechanism controllable by the digit storage device which cooperate to control alphabetic printing, means operative during a first cycle of the machine to cause the first analyzing station to directly control the zoning mechanism in accordance with zone data of one item on the card, and to cause the first analyzing station to control two different parts of the zone storage device in accordance with zone data of a second and third item on the card, means operative during the next cycle of the machine to cause the second analyzing station to directly control the listing mechanism in accordance with digit data of said one item, whereby a first line of data will be printed, to cause the second analyzing station to control two different parts of the digit storage device in accordance with digit data of said second and third items on the card, and to cause part of the zone storage device to control the zoning mechanism in accordance with zone data of said second item, means operative during a third cycle of the machine to cause a part of the digit storage device to control the listing mechanism in accordance with the digit data of said second item, whereby a second line of data will be printed, and to cause the other part of said zone storage device to control the zoning mechanism in accordance with the zone data of the third item, and means operative during a fourth cycle of the machine to cause the other part of said digit storage device to control the listing mechanism in accordance with the digit data of said third item, whereby a third line of data will be printed.

2,426,050
PLUNGER TYPE VOLTAGE INDICATOR
Edward J. Radwanski, Chicago, Ill.
Application May 1, 1944, Serial No. 533,600
5 Claims. (Cl. 171—95)



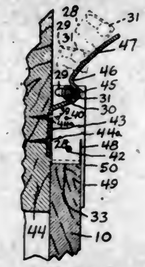
1. An electrical tester comprising a reciprocable member and means for electrically actuating it, a rotatable member mounted to turn on an axis parallel to the axis of the reciprocable member, an indicating finger operatively connected to said rotatable member, and co-engaging and relatively slideable means associated with said members for turning said finger when said reciprocable member reciprocates.

2,426,051
CONTROL SWITCH
Eugene D. Reiber, Manor, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1942, Serial No. 468,771
3 Claims. (Cl. 200—52)



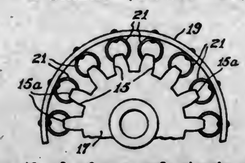
1. A cable operated switch comprising, an explosion-proof casing, a pivoted switch arm mounted in the casing to engage a stationary contact member, a plunger having a portion extending through the casing operable to actuate the switch arm, and a cable guide comprising an elongated support attached to the casing and having an axial opening, said support being provided with a movable core member in the axial opening having an opening to receive the cable and a peripheral recess to receive the projecting portion of the plunger, said movable core member being readily removable from the support by an obstruction on the cable, whereby the switch actuating plunger is operated in response to a predetermined movement of the cable without appreciably straining the cable.

2,426,052
OVERHEAD GARAGE DOOR KEEPER
Charles H. Rix, Storm Lake, Iowa
Application December 31, 1943, Serial No. 516,578
1 Claim. (Cl. 20—19)



In combination with an overhead type garage door and a garage door frame, a roller attached at the upper central portion of said garage door, a keeper attached to said frame, said keeper including an indented portion for receiving said roller whereby tension against said keeper will cause snug abutment of the upper central portion of the door against the adjacent frame portion, upstanding brackets attached to the door at the upper central portion thereof, said roller being positioned between said brackets, a shaft upon which said roller is mounted, said upstanding brackets having slots receiving the ends of said shaft, springs bearing against the shaft ends, said keeper member including an angular portion extending angularly from said frame adapted to receive and guide said roller thereon into said indented portion when the door is closed.

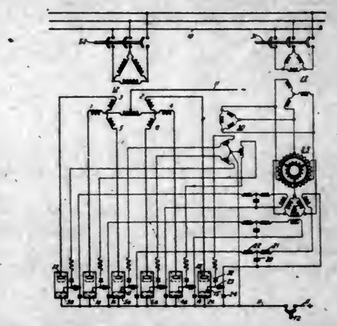
2,426,053
METHOD OF HEATING GEAR WITH HIGH-FREQUENCY CURRENT
Wesley M. Roberds, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1943, Serial No. 477,473
1 Claim. (Cl. 219—13)



In the method of manufacturing a gear composed of a material adapted to be hardened by heating with alternating current of a sufficiently high frequency to flow in substantially a thin layer at the surface thereof, the steps which comprise placing around the tip portions of the gear teeth conductive shields for the purpose of shunting current around said portions, and causing the high frequency heating current to flow through the remaining portions of said teeth and said shields.

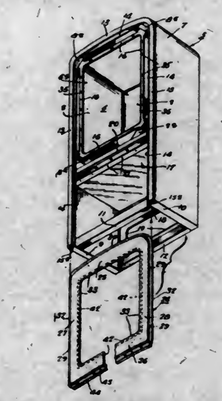
2,426,054
VAPOR ELECTRIC DEVICE
Herbert A. Rose, Pittsburgh 21, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,386
4 Claims. (Cl. 175—363)

3. An electric current conversion system for transferring electric energy between dissimilar electric circuits at least one of which is an alternating current circuit there being at least a pair of alternating conducting vapor electric valves connected to control current flow between said circuits, each of said valves including a main anode and cathode and an exciting electrode in contact with the cathode, an exciting system for said valves comprising a source of alternating control potential, circuit means connected be-



tween said source and said exciting electrodes for periodically applying current impulses from said source to said exciting electrode, an auxiliary source of exciting current, and circuit means independent of said first mentioned circuit means for periodically applying the potential of said auxiliary source to said exciting electrodes, and circuit means in shunt with said exciting electrode for relieving the flow of reverse current therein.

2,426,055
REFRIGERATOR CABINET CONSTRUCTION
Theodore W. Rundell, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1944, Serial No. 524,053
2 Claims. (Cl. 220—9)



1. In a refrigerator cabinet, an outer shell having top and side sections, an inner liner having top, side and bottom sections and mounted within said shell with the top and side sections of the liner in spaced relation to the top and side sections of the shell, said shell further having an integral channel extending continuously about the top and side sections thereof, and said inner liner having a continuous flange about its top, side and bottom sections, a bottom pan member span-

ning the side sections of said shell and disposed in spaced relation to the bottom section of said liner, the channel at said side sections of the shell terminating in open ends below said bottom pan, a substantially rigid unitary frame like breaker strip member having outer and inner marginal edges, said outer edges being disposed for introduction into said channel through the open ends thereof and being slidable in said channel to a position wherein the said outer edges are in engagement with the top and side sections of the shell and with said pan member, and said inner edge carrying means for detachable engagement with the said flange of the liner.

2,426,056

CYANOACETIC ACID ESTERS OF POLYHYDRIC ALCOHOLS AND PROCESS OF MAKING SAME

John B. Rust, Montclair, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey

No Drawing. Application July 16, 1945, Serial No. 605,454
8 Claims. (Cl. 260—464)

1. An ester of cyanoacetic acid and a polyhydric alcohol $R(OH)n$, having the formula $(NC—CH_2COO)_x—R(OH)_{n—x}$, where R is the hydrocarbon residue of said polyhydric alcohol, n represents the number of hydroxyl groups in the polyhydric and x is an integer from 1 to n.

2,426,057

SEWING SEAM AND METHOD OF MAKING SAME

Joseph H. Schweich, St. Louis, Mo., assignor to Weil-Kalter Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application July 17, 1944, Serial No. 545,211
5 Claims. (Cl. 112—262)



1. A method of stitching two portions of material together, comprising laying one portion on top of the other with their edges overlapping in superposed relation, stitching the portions together to provide marginal edges and simultaneously causing one edge to be wider outside the stitching than the other, by inserting a bulging device between the portions outside the stitch line to lift one marginal edge out of the plane of the other, separating the portions from overlying position to a position wherein they extend oppositely from the line of stitching, with the marginal edges extending outwardly therefrom, turning the wider marginal edge around the narrower, and stitching the margin down to one of the portions.

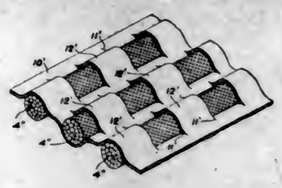
2,426,058

PLASTIC SHEET MATERIAL AND METHOD

Charles A. Scogland, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware

Application March 19, 1945, Serial No. 583,527
7 Claims. (Cl. 154—110)

5. As an article of manufacture, a ribbed and laminated plastic sheet material comprising outer layers of plastic impregnated sheet material, an intermediate layer of plastic impregnated sheet material positioned between said outer layers and having slits therein, and deformable cores



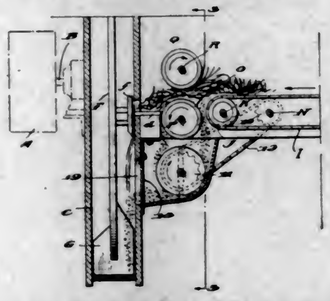
threaded through the slits in said intermediate layer.

2,426,059

ROUGHAGE CUTTER AND LITTER DISPOSAL DEVICE

Miles L. Sensenig, Lancaster, Pa., assignor to Dellinger Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania

Application May 3, 1945, Serial No. 591,663
5 Claims. (Cl. 146—107)



5. A roughage cutter having a cutting means, a housing receiving the material as cut by said cutting means, means for evacuating cut material from said housing, means for feeding material into said cutting means, and means for driving all of said foregoing means, said housing having a wall presented toward said feed means and formed with a litter inlet opening, in combination with a hopper formed with an open top and rear and having front, bottom and end walls of unbroken area, means for securing said hopper in fixed position with the rear edges of the bottom and end walls of said hopper in contact with said housing wall and disposed about said opening and with the open top of said hopper disposed beneath said feeding means in such position as to receive litter dropping from said feeding means and adjacent parts, a deflector and expeller element journaled for rotation in the ends of said hopper and comprising a cone member tapering from adjacent one end of said hopper toward said opening and a paddle member extending from adjacent the apex of said cone member across a portion of said opening, and means driven by said driving means for rotating said element.

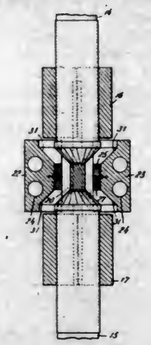
2,426,060

MANUFACTURE OF COLLAPSIBLE TUBES

Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey

Application March 30, 1943, Serial No. 481,092
7 Claims. (Cl. 93—36.5)

1. The method which comprises forming a tubular blank having an intermediate portion of greater thickness than the end portions, supporting the ends of the blank, rotating one end of the blank with respect to the other while moving the ends toward each other to crimp and shape the intermediate portion of the blank to form the necks and shoulders of a pair of tubes, and severing the formed blank to form a pair of tubes.



7. The method of making collapsible tubes which comprises supporting the ends of a tubular blank having a portion of greater thickness than the remainder, and rotating one end of the blank with respect to the other to crimp and shape the portion of the blank of greater thickness and form the shoulder and neck of a tube.

2,426,061

ELECTRIC PHONOGRAPH PICKUP OF THE CAPACITY TYPE

René Snepvangers, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 21, 1944, Serial No. 564,539
15 Claims. (Cl. 179—100.41)



1. A phonograph pick-up device of the capacity type comprising a stationary conductive member and a vibratively supported conductive member, said vibrative member having (1) a first portion spaced from said stationary member and constituting a capacitor therewith, said first portion being flexible in a direction for movement toward and away from said stationary member in response to signal forces applied thereto whereby to vary the capacitance of said capacitor, and (2) a second portion contiguous to and extending from said first portion, said second portion being flexible for movement in a second direction normal to said first named direction and being stiff in said first named direction.

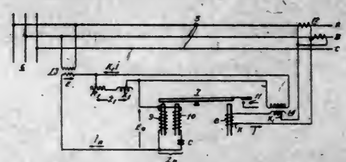
2,426,062

DISTANCE-TYPE RELAY WITH CURRENT-COMPENSATED VOLTAGE RESTRAINT

William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 16, 1945, Serial No. 578,263
4 Claims. (Cl. 175—294)

1. An adjustable distance-type relay having an operating circuit means, for producing an operating force responsive to the amount of energization of the operating circuit; a restraint-circuit means, for producing a restraining force responsive to the amount of energization of the restraint circuit; current-responsive energizing-circuit means, for energizing the operating-circuit means so as to be exclusively responsive to a line-derived current; current-compensated voltage-responsive energizing-circuit means, including a resistance, an inductance, a reversible and variable-ratio transformer-means associated with said



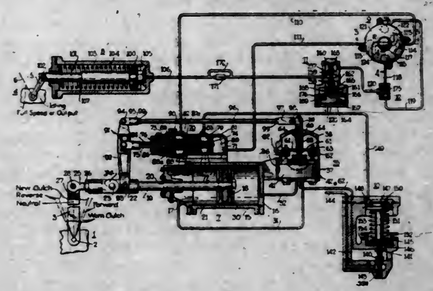
resistance, and a separate reversible and variable-ratio means associated with said inductance, for energizing the restraint-circuit means in response to the vectorial sum of an alternating-current function of a line-derived voltage, an alternating-current function of a line-derived current times said resistance, and an alternating-current function of a line-derived current times said reactance; and means for varying the relative magnitudes of the responses of the operating force and the restraining force.

2,426,063

CLUTCH OPERATING MECHANISM

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 23, 1942, Serial No. 448,167
24 Claims. (Cl. 192—87)



1. The combination with a member to be operated, of a pressure responsive element connected to said member and operable by fluid under pressure supplied to act on one side to actuate said member, a fluid pressure supply pipe, fluid pressure controlled pilot means having a connection with said element providing for a certain initial movement of said pilot means relative to said element and then movement with said element, said pilot means being operable by fluid under pressure upon said initial movement to open communication between said pipe and one side of said element for supplying fluid under pressure to said one side of said element for moving same, said pilot means being operable to maintain said communication open during movement with said element, stop means arranged to arrest movement of said pilot means after a certain degree of movement with said element, valve means controlling the supply of fluid under pres-

sure to said pipe and operative to cut-off said supply and to release the fluid under pressure from said pipe, and means operative upon said arresting of said pilot means to provide for operation of said valve means.

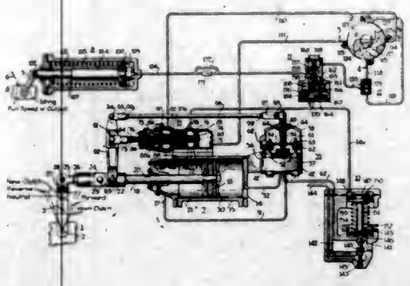
2,426,064

FLUID PRESSURE CONTROL MECHANISM

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application June 23, 1942, Serial No. 448,167. Divided and this application July 1, 1943, Serial No. 492,987

15 Claims. (Cl. 192—.01)



1. An arrangement for controlling a clutch element for connecting and disconnecting a prime mover to and from a member to be driven and for also regulating the power output of said prime mover comprising in combination, clutch control means for controlling said clutch, power control means for regulating the output of said prime mover, and a control device comprising a lever for controlling said clutch control means and power control means, said lever having a clutch disengaging position for effecting operation of said clutch control means to cause said clutch means to disconnect said prime mover and member to be driven, and said lever being movable from said disengaging position to an engaging position for effecting operation of said clutch control means to cause said clutch means to connect said prime mover to said member to be driven, said lever having a further movement beyond said engaging position for effecting operation of said power control means to increase the output of said prime mover in proportion to the extent of movement of said lever away from or beyond said engaging position, and means associated with said lever operative automatically to hold said lever in any position beyond said engaging position providing a desired output of said engine and operative to oppose movement of said lever from said disengaging position to said engaging position and to automatically move said lever from said engaging position to said disengaging position upon release of manual force on said lever.

2,426,065

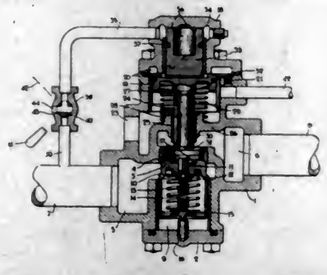
CONTROL VALVE DEVICE

Roy R. Stevens, Forest Hills, and Harry M. Linhart, Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 22, 1944, Serial No. 541,597

3 Claims. (Cl. 137—144)

1. A relay valve device comprising a casing, a supply valve in said casing operable to supply fluid under pressure to a first chamber, a piston in said casing subject to opposing pressures of fluid in second and third chambers, said third chamber being open to atmosphere, a stem carried by said piston and operable by said piston upon supply of fluid under pressure to said second chamber to actuate said supply valve to supply fluid under pressure to said first chamber, a release valve on said stem, a seat in said casing arranged to be engaged by said release valve to close a fluid pressure release communication from said first chamber to said third chamber upon operation of said supply valve to supply fluid under pressure to said first chamber, said stem also comprising release control means arranged to close said communication ahead of



said release valve and prior to operation of said supply valve to supply fluid under pressure to said first chamber, means operable upon release of fluid under pressure from said second chamber to effect operation of said piston and stem to unseat said release valve and to effect operation of said supply valve to cut off the supply of fluid under pressure to said first chamber, said release control means opening said communication upon release of fluid under pressure from said piston subsequent to operation of said supply valve to cut off the supply of fluid under pressure to said first chamber, and flow restricting means arranged to restrict release of fluid under pressure from said piston.

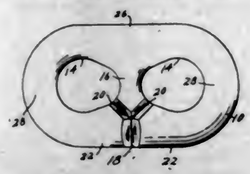
2,426,066

MANUFACTURE OF SOLID-FORGED CHAIN

Henry St. Pierre, Worcester, Mass.

Application November 20, 1943, Serial No. 511,056

15 Claims. (Cl. 59—35)



1. The method of making forged chain comprising the steps of hot forging a closed joiner link blank, hot forming depressions therein defining separable ends, separating the ends while hot, inserting a closed solid link over each end, returning the latter to original position, welding the ends, and reheating the chain.

2,426,067

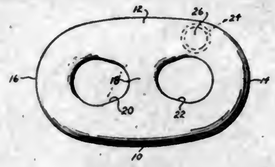
CHAIN LINK

Henry St. Pierre, Worcester, Mass.

Application May 18, 1944, Serial No. 536,085

6 Claims. (Cl. 59—35)

1. Method of making chain comprising the steps of forming a blank in the shape of a link, forming a depression in a portion of the blank, splitting the blank at the depression, thus providing two ends, inserting at least one solid link, and welding the ends by filling the depression with molten metal.



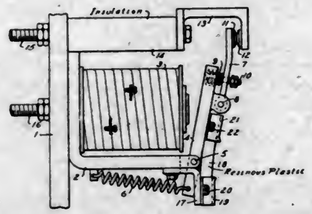
2,426,068

SHOCKPROOF DEVICE

William R. Taliaferro, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 18, 1944, Serial No. 527,117

3 Claims. (Cl. 200—87)



1. In combination, a supporting structure; a circuit interrupting device disposed on said structure and having a stationary contact, a movable contact engageable with said stationary contact, and a substantially rigid member movable between two positions relative to said structure for controlling the movement of said movable contact, said member being biased toward one of said positions; electric actuating means mounted on said structure for moving said member into said other position, and shockproofing means having a body of cold-flowing plastic material secured at one end to said structure and at the other end to said member so as to be subjected to cold-flow deformation when said member is moved from either to the other position thereby preventing said member from changing its position due to the application of shock to said structure while permitting said member to be moved by said actuating means.

2,426,069

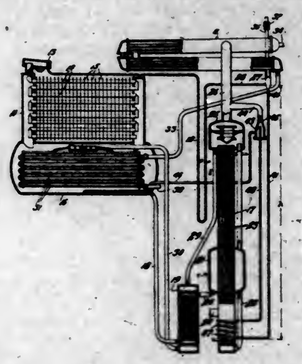
REFRIGERATION

Albert R. Thomas, deceased, late of Evansville, Ind., by The National City Bank, administrator, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application October 25, 1944, Serial No. 560,213

19 Claims. (Cl. 62—119)

1. In an absorption refrigeration system of the type which operates in a partial vacuum and utilizes water as a refrigerant and salt solution as an absorbent and in which non-condensible gases may occur, said system having one group of elements operable at low pressure and another group of elements operable at a higher pressure, means including liquid columns for maintaining the pressure differential between the groups of elements, and apparatus utilizing a portion of the refrigerant for transferring non-condensible gases from an element of the low pressure group to an element of the high pressure group in said



system, said apparatus being connected to receive refrigerant from and return the refrigerant to said system.

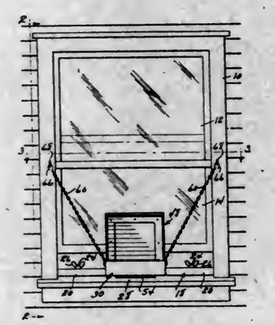
2,426,070

WINDOW WASHER'S SEAT

Harry J. Todd, Long Island City, N. Y.

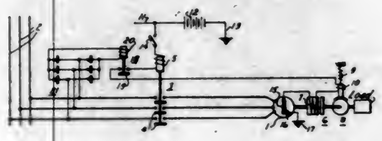
Application February 12, 1946, Serial No. 647,088

1 Claim. (Cl. 304—24)



A device of the character described, comprising an adjustable support adapted to be mounted in the sash rails of a window frame said support having a fixed member, movable members telescopically mounted on said fixed member at opposite ends thereof, and means for retaining and adjusting said movable members in relation to said fixed member, means on said support for connecting a seat frame thereto said seat frame comprises a U-shaped angle iron frame with the flange thereof extending upwardly from the base thereof a seat on said seat frame, a back rest frame pivotally mounted on said seat frame, said seat frame being made of angle iron with the flange thereof extending rearwardly from the base thereof, a back rest on said back rest frame, an opening in the base of said seat frame, said back rest frame extending through said opening to contact the rear edge of said seat, whereby said back rest is retained in supporting position for the back of the user and means connected to the rear end of said seat frame, adapted to be connected to a support to support said seat frame.

2,426,071
ALTERNATING-CURRENT MOTOR SYSTEM
Cyril G. Veinott, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1943, Serial No. 508,055
13 Claims. (Cl. 192—.02)



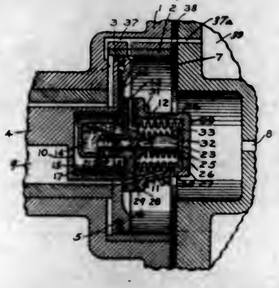
1. In combination, an alternating-current electric motor, means for connecting said motor to a load, braking means for stopping rotation of the load, said braking means being normally maintained in braking condition, a brake operating coil for releasing said braking means to permit the load to be driven by the motor, contact means for connecting the motor to a source of alternating current, an operating coil for effecting closing of said contact means, means for energizing said operating coils from a source of direct current which is substantially independent of the alternating-current supply to the motor, and means for preventing energization of at least said brake operating coil in case of failure of the alternating-current supply to the motor.

2,426,072
BLAST CLEANING
William C. Wall, Ridgewood, and George A. Wilkens, Ridgefield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 17, 1945, Serial No. 605,622
3 Claims. (Cl. 51—282)

1. Method of blast cleaning a surface which comprises projecting solid particles at high velocity against said surface, said solid particles consisting essentially of polymethyl methacrylate resin having an impact strength of less than 0.6 foot pound per inch and an elongation at break not exceeding 8%.

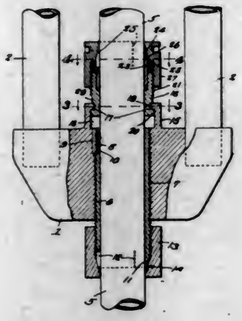
2,426,073
PISTON DEVICE
Charles L. Wallace, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 16, 1943, Serial No. 506,510
3 Claims. (Cl. 184—18)

1. In a lubricating apparatus for a pneumatically operated piston device, a piston reciprocable in a bore in said device in response to variations in the pressure of fluid on at least one side of the piston, a chamber carried by said piston, a passage extending from said chamber to the periphery of said piston, a lubricant conducting element extending from the bottom of said chamber and through said passage, a reservoir extending into said chamber and adapted to contain lubricant, and lubricant gauging means located between said reservoir and said chamber for conveying lubricant from said reservoir to said chamber, said means comprising a plunger carried in a bore in the casing of said reservoir and having provided therein a lubricant carrying groove which connects with said reservoir in one position and with said chamber in another position, and a movable abutment subject to the fluid pressure acting upon said piston and re-



sponsive to a reduction in the fluid pressure at one side of said piston to actuate said plunger from said one position to said other position.

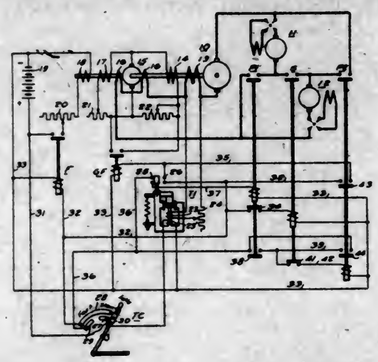
2,426,074
CRUTCH
Joseph Crampton Watters, Atlanta, Ga.
Application October 12, 1945, Serial No. 621,960
4 Claims. (Cl. 135—50)



1. A crutch, the combination with an upper member having a cross-head, a socket portion carried by the cross-head, of a sleeve within and extending from the cross-head, a lower member slidably and rotatably mounted within the sleeve, means adjustably mounted on the sleeve for contracting said sleeve upon and gripping the lower member, and means adjustably mounted on the lower member and normally clamped thereto for detachably engaging the socket portion.

2,426,075
CONTROL SYSTEM FOR SERIES-PARALLEL MOTOR OPERATION
Thelbert L. Weybrew, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,951
7 Claims. (Cl. 172—239)

1. In a control system, in combination, a plurality of electric motors, a generator for supplying current to the motors, switching means for connecting the motors in series-circuit relation, additional switching means for connecting the motors in parallel-circuit relation, and a relay having its actuating coil connected in parallel-circuit relation to the commutating field winding only of the generator for initiating the transition of

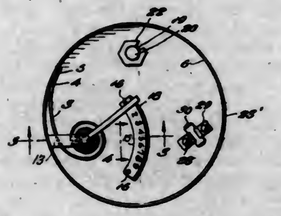


the motors from series to parallel-circuit relation and from parallel to series-circuit relation.

2,426,076
PROCESS FOR TREATMENT OF VEGETABLE MATTER AND PRODUCT OBTAINED
Alexander M. Zenzes, New York, N. Y.
No Drawing. Application August 6, 1943, Serial No. 497,693
5 Claims. (Cl. 99—141)

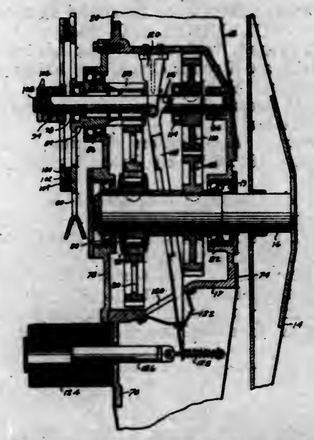
1. An edible sugar beet product comprising a free-flowing mass of dried, cut-up sugar beet pieces with each piece being substantially colorless internally while bearing externally thereof minute sugar crystals of a size corresponding to the condition of spontaneous crystallization in situ from a supersaturated sugar solution.

2,426,077
HEAT INDICATOR
Alfred Bak, Irene, S. Dak.
Application August 9, 1944, Serial No. 548,751
1 Claim. (Cl. 73—367)



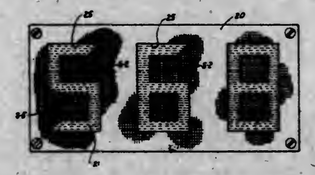
A heat indicating device comprising a casing of material having a low resistance to heat, a thermostatically operative indicator in said casing, a removable cap for the casing for concealing said indicator, said indicator including a graduated numbered indicator bar having notches therein, and an indicator hand movable over said bar with a wiping action, and flexible to snap into said notches and be moved out of the same, said notches having a contour to cam said hand out of the same on movement of the hand in one direction but to prevent movement of the same in the opposite direction.

2,426,078
WASHING MACHINE TRANSMISSION
Rex Earl Bassett, Jr., Miami Beach, Fla., assignor, by mesne assignments, to American Machine and Metals, Inc., East Moline, Ill., a corporation of Delaware
Original application January 27, 1939, Serial No. 253,038. Divided and this application June 23, 1944, Serial No. 541,776
2 Claims. (Cl. 74—368)



1. A transmission comprising a main shaft, a rigid metal housing for the transmission having bearings in which said shaft is mounted, a second shaft extending across said housing parallel to the first said shaft and having spaced bearings in said housing, drive means on said second shaft outside said housing, gears within said housing for driving the first shaft from the second shaft, two conical support members surrounding said housing, the said rigid housing being firmly attached at its ends to each of said conical members and serving rigidly to connect them together interiorly of their peripheries, whereby the said conical members and their support form sturdy torque resisting members for withstanding the torque reaction of said second shaft, gears and first shaft.

2,426,079
REMOTE-CONTROLLED ELECTRICAL INDICATOR
Harvey N. Bliss, Windsor, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application June 19, 1944, Serial No. 540,919
6 Claims. (Cl. 177—337)



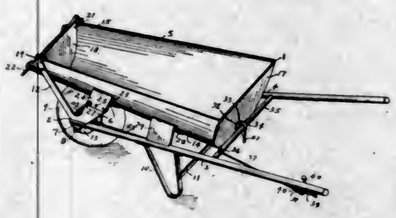
4. In a mechanism of the character described, a plate structure having a front plate and a background plate spaced rearwardly of the front plate, the front plate having an opening therein in the form of a master figure 8, the front face of the front plate being of one color and the forward face of the background plate being of a contrasting color, a plurality of shutters between said

plates and respectively associated with the several portions of said figure and movable into and out of masking relation therewith, and means for supporting said shutters for movement into and out of such masking relation the forward faces of said shutters being of the same color as the front face of the front plate.

2,426,080
PHOTOCHEMICAL CHLORINATION OF POLYVINYL CHLORIDE
James Chapman, Halewood, near Liverpool, and John William Croom Crawford, Frodsham, via Warrington, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 20, 1942, Serial No. 431,652. In Great Britain April 9, 1941
5 Claims. (Cl. 204—163)

3. In a process for the manufacture of chlorinated polyvinyl chloride the steps comprising adding water and polyvinyl chloride to an organic solvent therefor to form a solution of polyvinyl chloride containing between 0.12% and 1.0% by weight of water, and passing chlorine into said solution at a temperature between 80° C. and 120° C.

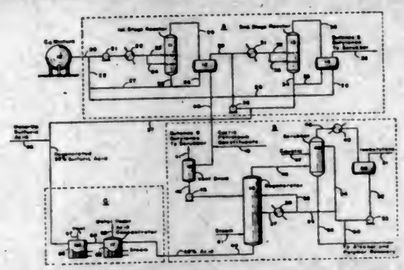
2,426,081
WHEELBARROW
Millard F. Cheek, Liberty, Mo.
Application October 15, 1945, Serial No. 622,384
10 Claims. (Cl. 298—3)



1. A wheelbarrow comprising a frame including side rails, supports mounted on the forward end of said side rails, said supports having upwardly extending forward and rear arms, a receptacle pivotally mounted on the rear arms at substantially the center of the receptacle, said receptacle being forwardly tapered and having its forward end open, and a door conforming to the shape of said opening in the receptacle, said door being pivotally mounted on the top of said forward arms so as to close said opening when the receptacle is in load carrying position and adapted to swing backwardly when the receptacle is empty.

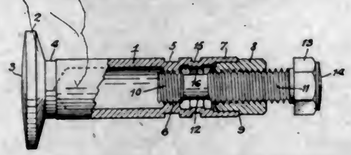
2,426,082
METHOD FOR ELIMINATING FOAMING IN THE RECOVERY OF SULFURIC ACID FROM AN OLEFIN RECOVERY OPERATION
John H. Cone, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 4, 1945, Serial No. 597,404
8 Claims. (Cl. 260—677)

1. In the treatment of an extract resulting from the contact of sulfuric acid with low molecular weight olefins, the steps of incorporating in the extract unsaturated cyclic hydrocarbons obtained by bringing a petroleum fraction including said unsaturated cyclic hydrocarbons into contact with a selective solvent capable of dissolving said cyclic hydrocarbons from said petroleum frac-



tion, said cyclic hydrocarbons being added in an amount sufficient to eliminate foaming in the extract upon heating under a reduced pressure and subsequently heating the extract under a reduced pressure to recover olefins therefrom.

2,426,083
TAPPET
Webster D. Corlett, Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn., a corporation of New Jersey
Application September 9, 1944, Serial No. 553,329
1 Claim. (Cl. 123—90)



In combination in a tappet, a hollow, generally cylindrical body, and an integral inward projection formed within said hollow body, and an insert positioned in the end of said body and permanently secured therein away from said projection, said insert and said projection being screw threaded, the threads of said projection and of said insert being slightly off pitch with respect to each other, and a screw of constant pitch engaged partly with the threads of said projection and partly with the threads of said insert, said screw provided with a reduced unthreaded portion intermediate its ends and between the two threaded portions thereof, said reduced portion being dimensioned to confine the deformation of the screw when engaged with the two threaded portions of the tappet substantially to said reduced portion to thereby preclude substantial deformation of the engaged threaded portions of the bolt and tappet.

2,426,084
PROTECTIVE MEANS FOR HEATING FURNACE FRONTS
Louis E. Deloghia, Agawam, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application May 23, 1945, Serial No. 595,315
4 Claims. (Cl. 110—172)

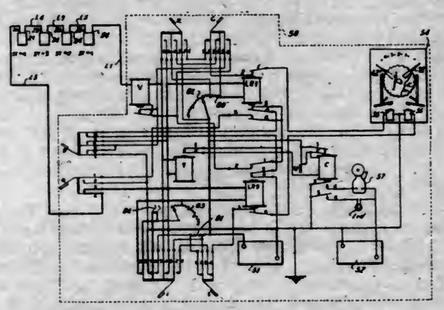
1. The combination of a furnace having an opening in the front face thereof and a door slidable vertically on said face between a position over said opening and a position upwardly and

away therefrom with protective means for the lower and opposite adjacent sides of said opening comprising, a plate construction including a transverse bottom plate extending across said front wall below said opening and side guide plates extending upwardly from opposite ends of said plate, and pivotal connections between said plate construction and said furnace swingably mounting said plate construction on a hori-



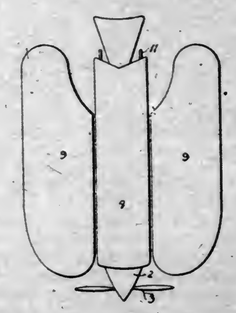
zontal axis above said opening for swinging movements of the plate construction towards and away from said front face, said plate construction adapted to be engaged by and swung outwardly by the door as it slides downwardly over said opening and to be released by the door as it slides upwardly from over said opening so as to swing into engagement with the said front face.

2,426,085
ALARM SYSTEM
Felix F. Denzler, Pomona, Calif.
Application April 30, 1946, Serial No. 665,930
17 Claims. (Cl. 177—360)



9. A signaling system comprising a central station, a line circuit, a plurality of sub-stations connected in series in said line circuit and a common current path between all said stations, in which said central station includes means for applying potential between said common path and one end of said line, and means for counting interruptions in current flow to said line, and in which said sub-stations each include: switching means operable in response to current flow through said sub-station from one adjacent line section to said common path for momentarily interrupting said current flow and switching said current from said common path into the other adjacent line section, at least one of said sub-stations including means for introducing a time delay between the momentary interruption of current flow and the switching of said current from said common path into the other adjacent line section.

2,426,086
FREE-WINGED AIRCRAFT
David D. Fehr, Winkler, Manitoba, Canada
Application July 17, 1944, Serial No. 545,238
2 Claims. (Cl. 244—49)



1. An aircraft characterised by having wings extending the greater portion of the length of the fuselage thereof, elongated eaves projecting from said fuselage at either side thereof substantially in the plane of the roof of said fuselage, said wings being freely hinged to said eaves, flanges projecting from said fuselage at either side and substantially for the length thereof, and substantially in the plane of the undersurface of said fuselage, a propeller at the front end of said fuselage, said wings depending downwardly when said aircraft is grounded and stationary, the inner surfaces of said wings when pendant together with the under and upper surfaces of said eaves and flanges respectively providing a substantially unobstructed slip stream tunnel through which air from said propeller is forced to lift said wings gradually as the craft taxies towards the take-off point, said wings being fully extended by the time the craft becomes airborne.

2,426,087
CONVERSION OF HYDROSULFIDES TO NEUTRAL SULFUR SUBSTANCES
Lloyd C. Fetterly, Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 26, 1944, Serial No. 542,256
10 Claims. (Cl. 23—184)

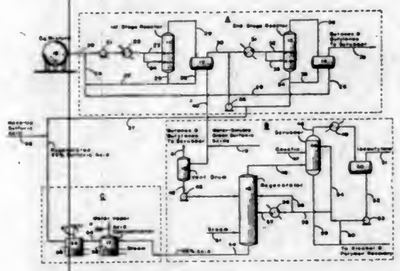
1. In a process for regenerating spent aqueous alkaline solutions containing hydrosulfides extracted from sour hydrocarbons, the improvement comprising contacting said spent solution with an oxygen-containing oxidizing agent for said hydrosulfides in the presence of a small amount of a nitrobenzene oxidation catalyst containing attached to the benzene nucleus two polar groups selected from the class of groups consisting of amino and hydroxy groups, and mixtures thereof.

2,426,088

METHOD FOR ELIMINATING FOAMING IN THE RECOVERY OF SULFURIC ACID FROM AN OLEFIN RECOVERY OPERATION

Bryson M. Filbert, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 4, 1945, Serial No. 597,405
6 Claims. (Cl. 260—677)



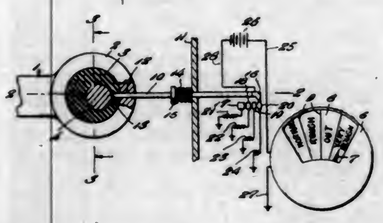
1. In the treatment of an extract under superatmospheric pressure resulting from the contact of sulfuric acid with low molecular weight olefins, the steps of incorporating water-soluble green sulfonic acids in the extract in an amount sufficient to eliminate foaming of said extract upon heating the extract under reduced pressure and subsequently heating the extract under a reduced pressure to recover olefins therefrom.

2,426,089

OPERATION INDICATOR FOR AIRPLANE ENGINES

Walter H. Fitzgerald, Jr., Carrollton, Tex.

Application November 14, 1944, Serial No. 563,440
2 Claims. (Cl. 73—116)



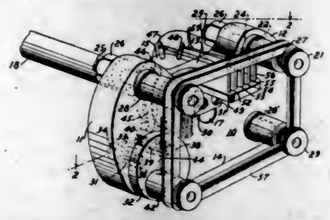
1. In combination with a floating mounting of an engine including a resilient bushing carried by fixed mounting element and through which an engine securing bolt extends, said engine being so mounted that when the same is not operating the dead weight thereof causes the bolt to assume one position within the resilient bushing, the torque of the engine when operating normally causes the bolt to assume a different position and rough operation of the engine causes the bolt to vibrate over a range of positions dependent up on the degree of roughness, an instrument for indicating the nature of the engine operation or its non-operation, and means for actuating said instrument in response to movement of said bolt comprising an electric circuit, resistances of different values, and a feeler finger for selectively interposing said resistances in the circuit slidably mounted and spring pressed to engage and follow said bolt.

2,426,090

COIL WINDING METHOD

John Gartner, Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original application April 17, 1944, Serial No. 531,518, now Patent No. 2,399,631, dated May 7, 1946. Divided and this application May 31, 1945, Serial No. 596,838
3 Claims. (Cl. 242—10)



1. A method of winding a coil, comprising the steps of placing an insulating strip of adhesive material about a plurality of spaced coil winding supporting members so as to assume a channel formation, positioning a wire in said channel, winding said wire in said channel about said insulating strip so that the completed coil and insulating strip assume a loop shape defined by said spaced supporting members, taking wire leads from said coil at different points, and turning the free edges of said insulating strip over so as to encase the completed coil in the adhesive insulating strip with the wire leads projecting therefrom.

2,426,091

PRODUCTION OF CHLORINATED ALIPHATIC NITRILES

James John Gray, Liverpool, and Frank Burgess, Widnes, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 7, 1944, Serial No. 567,116. In Great Britain January 12, 1944
11 Claims. (Cl. 260—464)

1. A process for the production of a chlorinated aliphatic nitrile, which comprises reacting an aliphatic nitrile taken from the group consisting of acetonitrile and propionitrile with a chlorinating agent taken from the group consisting of chlorine, phosgene, and sulphuryl chloride in the vapour phase in the presence of a catalyst comprising a substance selected from the group consisting of silver, gold, platinum, palladium, and rhodium, and the oxides, hydroxides, and chlorides thereof at an elevated temperature between 200° C. and 500° C.

2. A process for the production of trichloroacetonitrile, which comprises reacting acetonitrile with a chlorinating agent taken from the group consisting of chlorine, phosgene, and sulphuryl chloride in the vapour phase in the presence of a catalyst comprising a substance selected from the group consisting of silver, gold, platinum, palladium, and rhodium, and the oxides, hydroxides, and chlorides thereof, at an elevated temperature between 200° C. and 500° C.

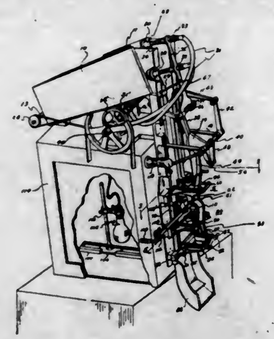
2,426,092

AUTOMATIC PHOTO PRINTER

Elmer H. Grogan, Danville, Ill.

Application February 26, 1945, Serial No. 579,719
1 Claim. (Cl. 95—73)

A machine for printing photographs in quantity which comprises a supply magazine for sensitized cards, a single power supply for said machine, driving means, a reciprocating arm associated with said driving means, vacuum cups associated with reciprocating arm to remove said cards one at a time from said bulk supply and drop them into a vertically disposed feed chute, said bulk supply magazine comprising a box open at the top and disposed at an angle downwardly away from said vacuum cups in order to permit easy pick up of the cards by the vacuum cups, said box also at an angle laterally in order to maintain one edge of the cards in alignment along the lower side of said box, said driving means operatively associated in timed relation with said vacuum means for actuating said vacuum means, a cam associated with said driving means to impart rocking motion to said arm, said driving means also actuating said cam in timed relation, said rocking arm fulcrumed at a point intermediate its length and operatively associated at its upper extremity with said driving means as above set forth, means actuated by the part of said lever arm above the fulcrum to stop and release said cards fed by said vacuum cups and as-



sociated parts at timed intervals, a printing zone, said card chute leading from said magazine to said printing zone, an exposure means and a card release means associated with said printing zone, a platten for holding a sensitized card in printing position in said printing zone, means for actuating said platten including said rocker arm and also including a member engageable with a plunger and a spring attached to said rocking arm to thrust said platten in place in said printing zone, a trip member including a spring to hold said platten in place for a predetermined time and a trigger attached to said rocking arm to release said platten after a predetermined time, means for sharply withdrawing said platten from said printing position upon such release by said trigger, means synchronized with said plunger and said release for switching on a light when said platten is in printing position and turning it off when said platten is out of printing position, and a card release means disposed directly below the printing zone to stop the fall of unexpected cards including means to release exposed cards from said zone.

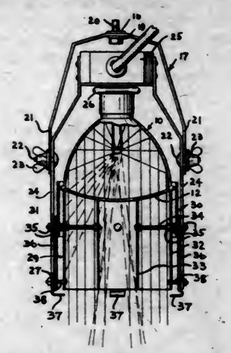
2,426,093

STAGE LIGHTING

Stuart F. Hardman, Mendon, Utah

Application May 2, 1945, Serial No. 591,450
2 Claims. (Cl. 240—3.1)

1. An adapter for rendering a projector spot light suitable for use as a stage spot light comprising an annular shield encircling the junction of the cover glass and reflector of a projector spot lamp, concentric louvres carried by the shield for interrupting spilled light from the lamp, an



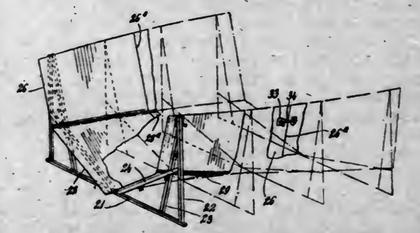
outlet box having a socket for receiving the base of the lamp and means carried by the outlet box for supporting the shield and louvres in proper position with relation to the lamp.

2,426,094

METHOD FOR BUILDING SHIPS

Frederic R. Harris, New York, N. Y., assignor to New Jersey Shipbuilding Corporation, Barber, N. J., a corporation of New Jersey

Application June 21, 1943, Serial No. 491,722
8 Claims. (Cl. 114—79)



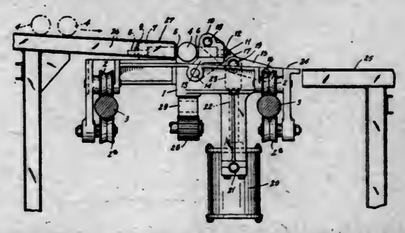
1. The method of building ships which consists in setting up in a fixture plates for the outside of the hull of the ship, bending and connecting said plates while in said fixture to give them the shape required by the exterior contour of the hull, and affixing parts forming reinforcing members to the inside of said plates after connecting the latter.

2,426,095

WORK HOLDING MECHANISM

Harvard K. Hecker, Clayton, Mo.

Application January 8, 1944, Serial No. 517,605
16 Claims. (Cl. 24—249)



1. A work holding mechanism comprising a body having a work supporting surface, a sta-

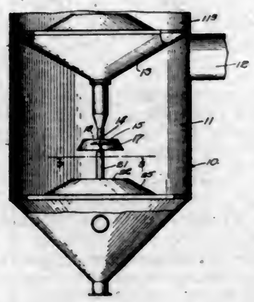
tionary jaw located above said surface in position to laterally engage one side of work thereon, and a jaw mounted in said body for movement upwardly above said surface into lateral engagement with the opposite side of said work to immovably clamp the latter horizontally between said jaws and downwardly beneath said surface to release said work.

2,426,096

SPLASH SHIELD FOR VACUUM COOLERS

Arnold H. Heineman, Chicago, Ill., assignor to The Guardite Corporation, a corporation of Illinois

Application April 6, 1945, Serial No. 586,992
4 Claims. (Cl. 62—152)



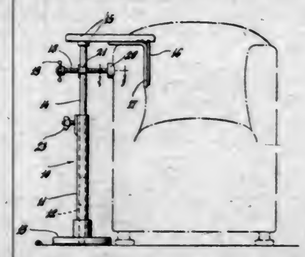
1. In a multi-stage vacuum cooler for a liquid, a series of superposed vacuum chambers, a tray in the bottom of one chamber forming a portion of the roof of the next lower chamber said tray being adapted to contain a portion of the liquid being cooled at all times during the operation of said cooler, a nozzle communicating with the tray beneath the liquid level and opening into the next lower chamber, a shield about the nozzle having downwardly and outwardly sloped edge portions and an open bottom, a splash plate within the shield immediately below the nozzle and having edge portions outwardly and downwardly inclined and terminating well within the shield, whereby said splash plate deflects substantially all liquid discharged from the nozzle upwardly and outwardly against said shield.

2,426,097

ATTACHABLE TRAY FOR ARMCHAIRS, BRIDGE TABLES, AND THE LIKE

Phillip Heller, New York, N. Y.

Application November 20, 1944, Serial No. 564,274
1 Claim. (Cl. 311—39)



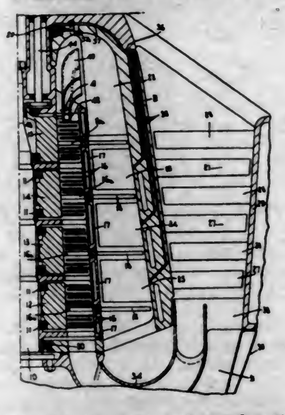
An attachable tray for use on armchairs and like furniture comprising a panel having opposite edges, two downwardly extending fixed jaws arranged in spaced relation to each other at one of said edges, a rod support adjustable in length and extending downwardly from adjacent the other of said edges for contact with the floor on which said furniture rests, said rod support being disposed substantially centrally of said other edge and intermediate said fixed jaws, and a member terminating in a jaw, said member being carried by said rod support and extending perpendicularly to the plane in which said fixed jaws are positioned, said member being movable relatively to said support and in the direction toward said fixed jaws, whereby a clamping action between said fixed jaws and said jaw of said movable member may be obtained to secure said panel in position on said furniture.

2,426,098

COMPOUND INTERNAL-COMBUSTION TURBINE PLANT

Fritz Albert Max Heppner, Leamington Spa, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England

Application August 31, 1943, Serial No. 500,694
In Great Britain September 3, 1942
3 Claims. (Cl. 230—123)



1. In a compound internal-combustion plant of the axial flow type separate compound sections each including a rotating turbine section driving a compressor section, the highest and lowest pressure turbine sections driving the highest and lowest pressure compressor sections, respectively, said sections being so arranged that the flow through the turbine sections is in the opposite axial direction to that through the compressor sections, contra-rotating turbine members interposed between said turbine sections, and means drivably connected to said contra-rotating turbine members for doing useful work, said contra-rotating turbine members being so designed that the pressure at the end of a compressor section is slightly greater than the pressure at the beginning of the associated turbine section, whereby leakage from the turbine sections to the associated compressor sections is substantially prevented.

2,426,099

DRAFT COUPLING

Ellis H. Hershowitz, Washington, D. C.

Application May 30, 1945, Serial No. 596,774
5 Claims. (Cl. 280—33.15)

1. A draft hook comprising a stationary member embodying a horizontally disposed shank

formed of a pair of spaced parallel plates set edgewise in a vertical plane and terminating at their forward ends in a pair of spaced parallel, stationary hook-shaped jaws, and a movable member carrying a coacting jaw and arranged between and pivoted to the plates to swing its jaw upwardly to open position and downwardly to closed position relatively to the stationary jaws, said stationary jaws being provided with keeper recesses opening outwardly through their upper edges and whose bottom portions are arranged substantially in the horizontal plane of the pivot of the movable member and being provided with bill portions lying in advance of said



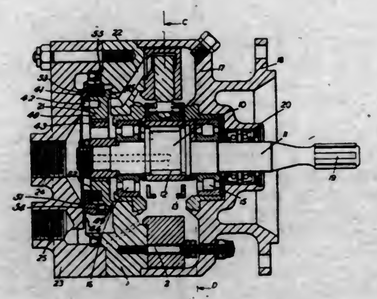
recesses and projecting upwardly above the horizontal plane of the pivot of the movable member, the said jaw of the movable member being provided with a keeper recess opening outwardly through its lower edge and with a downwardly projecting bill portion and respectively disposed so that in the downward movement of said jaw to a closed position its recess forms with the recesses of the stationary jaws a keeper opening and its bill folds between the bills of the stationary jaws and below the plane of the pivot of the movable member so as to hold a coacting coupling confined in the recesses between the jaws substantially in the horizontal plane of said pivot.

2,426,100

HYDRAULIC PUMP OR MOTOR OF THE RADIAL CYLINDER TYPE

Warwick Claude Holden and Joshua Challiner Naylor, Monkseaton, England, assignors to Vickers-Armstrongs Limited, London, England, a company of Great Britain

Application October 8, 1943, Serial No. 505,490
In Great Britain June 25, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires June 25, 1962
5 Claims. (Cl. 103—174)



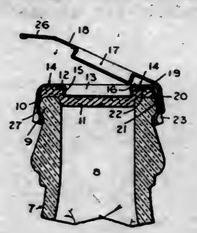
1. In a hydraulic pump or motor, a plurality of spaced radially arranged cylinders, a piston in each cylinder, a first eccentric, a rotatable shaft bearing the eccentric, the pistons being in operative connection with said first eccentric, a pump housing consisting of two end members and an intermediate member with the said rotatable shaft extending through one of said end members and the intermediate member and into said other end member, bearings for said shaft being arranged in said first end member and said first intermediate member, the said eccentric being carried by said shaft within said intermediate member, said cylinders being radially arranged in said intermediate member, a valve located within said second end member, a second eccentric on said shaft controlling said valve, and fluid ducts in said intermediate member controlled by said valve, said ducts communicating with said cylinders.

2,426,101

BOTTLE CAP AND REMOVER THEREFOR

George H. Hutaff, Jr., Wilmington, N. C.

Application February 7, 1946, Serial No. 646,126
9 Claims. (Cl. 215—46)



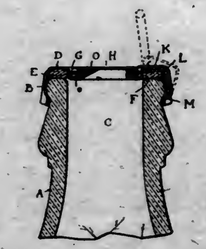
6. The combination with a sheet metal cap having a top portion adapted to overlie the beaded upper end of a bottle and a depending flange adapted to be crimped about the same with an interposed seal therebetween, said cap having a centrally disposed seat portion depending below the plane of said top portion, of a metal pull member anchored at one end with reference to the cap and having a releasing tab at its opposite end, the intermediate portion of the pull having a centrally disposed depending portion adapted to engage with said seat in the cap, the surrounding wall of the seat in the cap and depending portion of the pull member being formed to impositively interlock them to normally retain the pull member in parallelism with the top surface of the cap and with the interlocking therebetween located below the plane of the top portion of the cap.

2,426,102

CAP FOR GLASS BOTTLES

George H. Hutaff, Jr., Wilmington, N. C.

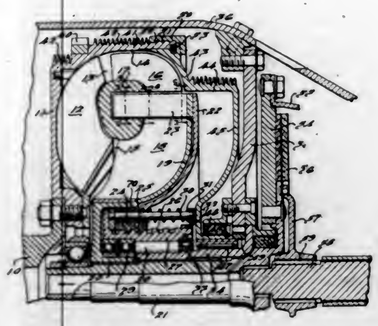
Application February 7, 1946, Serial No. 646,127
9 Claims. (Cl. 215—46)



2. A bottle cap of the type having a flange adapted to be crimped around the beaded mouth

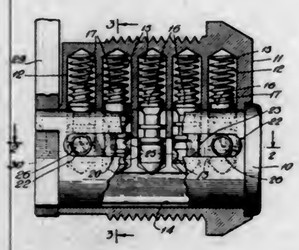
of a bottle, the cap having a depressed circular groove therein providing opposite confining walls located inwardly of the outer edge of the cap adapted to constitute a seat for a pull ring, in combination with said pull ring anchored to the cap and adapted to normally seat in said groove of the cap below the plane of the upper surface of the cap with both the inner and outer edges of the ring confined by the opposite walls of the groove portion and to be projected therefrom and engaged to remove the cap from the bottle.

2,426,103
TURBINE TYPE ROTARY FLUID COUPLING AND TORQUE CONVERTER
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 30, 1940, Serial No. 358,960
9 Claims. (Cl. 60—54)



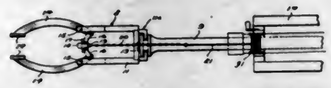
8. A fluid transmission comprising an impeller and a turbine providing a fluid circuit, and vanes movable in the circuit each having gradually varied contour and pitch and being of substantial width so that one portion of the vanes is in the fluid circuit during one phase of operation of the transmission and another portion is in the circuit during another phase of operation.

2,426,104
LOCK
Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 25, 1943, Serial No. 503,743
12 Claims. (Cl. 70—421)



1. In a combination of the class described, a cylinder, a key plug rotatable in said cylinder, a locking bar slidable on said key plug and movable into a position in which a part thereof extends outwardly of said key plug into an opening in said cylinder, means pressing said locking bar into a position in which said part is withdrawn from said cylinder opening, tumblers for physically locking said key plug to said cylinder, and grooves in certain of said tumblers into any one of which said locking bar enters depending upon the position of said tumblers in said key plug when said locking bar is entirely withdrawn from said cylinder opening.

2,426,105
BROKEN ELECTRODE RETRIEVING MEANS
Steve W. Kemock, Chicago, Ill.
Application June 19, 1944, Serial No. 541,019
2 Claims. (Cl. 294—111)



1. A device for retrieving broken electrodes from electric furnaces, adapted to be attached to the ram of a charging machine, mounted for a swinging movement and for a twisting movement around its longitudinal axis on the said machine, comprising a head, a coupling means for detachably fixing it on the ram, a frame carried by said head, a grapple structure carried by said frame, said frame and grapple being arranged substantially within a plane inclined with respect to the longitudinal axis of the ram, said grapple structure consisting of two grapple arms pivoted on said frame and provided with gripping jaws at one end, and means including links pivoted to the grapple arms, and a centrally arranged member for controlling the gripping movement of said grapple arms and jaws from a distance.

2,426,106
MEANS FOR EXPLOSIVELY INSERTING ORIFICES IN PIPE IN WELLS
Myron M. Kinley, Houston, Tex.
Application July 31, 1942, Serial No. 453,008
14 Claims. (Cl. 166—1)



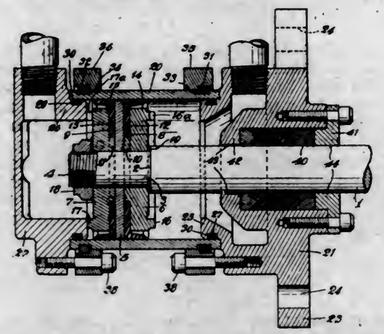
1. A device for shooting orifice bushings into pipe in a well bore comprising a housing, means to anchor said housing in the pipe, a wedge member slidable within the housing, an explosive means to drive said member, a carrier disposed against the wedge face on said wedge member and movable laterally of said housing by movement of said wedge member by the explosive means, and an orifice bushing releasably mounted on said carrier and to be forced into the pipe by movement of the carrier, said bushing having an orifice of a predetermined size and being made of a wear resistant material.

2,426,107
HEAT EXCHANGE ELEMENT
Nathan Kramer, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application March 19, 1943, Serial No. 479,688
1 Claim. (Cl. 257—262)



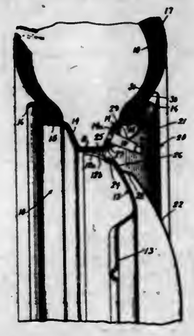
A heat exchange element including a plurality of integrally connected fins, each fin being connected at the top and bottom of one edge with the fin at one side thereof and at the top and bottom of another edge with the fin at the other side thereof, said fins having wings projecting between and beyond the points of interconnection and lying in the same planes as the fins.

2,426,108
CYLINDER STRUCTURE
Peter L. Loewe, Chicago, Ill., assignor to G. F. Goodson, Detroit, Mich.
Application November 23, 1945, Serial No. 630,481
7 Claims. (Cl. 309—2)



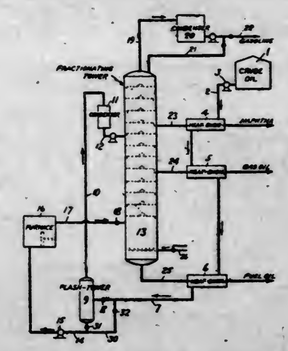
2. In a cylinder adapted for cooperation with a reciprocated piston, a tubular side wall, a separate cylinder head for each end of said side wall and independent means for securing each cylinder head to said side wall, one of said cylinder heads being apertured for the penetration of a piston shaft therethrough, the securing means including a removable member extending circumferentially about the cylinder wall adjacent each end of the cylinder wall, and removable securing connections between each said member and the adjacent cylinder head, and removable means for holding said circumferential members against movement towards the adjacent ends of the cylinder wall, including split rings interposed between the exterior of the cylinder wall and the interior of the circumferential members, the cylinder wall being recessed to receive said split rings.

2,426,109
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application July 31, 1943, Serial No. 496,890
3 Claims. (Cl. 301—37)



1. The combination of a wheel comprising multi-flange rim and body parts and a tire mounted in said rim part having an outer side wall thereof formed with a wear-resisting hardened portion adjacent an outer edge of the rim part with a resiliently deflectable circular cover for substantially covering the exposed outer side flanges of the rim part and having a radially inner part thereof attached to one of said wheel parts and an outer free margin extending radially beyond the rim part for transversely flexing relative to said attachment as well as for bearing against said hardened portion of the tire for relative sliding contact therewith in the operation of the wheel.

2,426,110
DISTILLATION OF CRUDE PETROLEUM
Wilmer E. McCorquodale, Jr., Ardentown, Del., and Lloyd G. Magill, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application October 14, 1942, Serial No. 462,040
1 Claim. (Cl. 196—73)



In the process of fractionally distilling crude petroleum in which the crude is preliminarily heated, the pressure thereon then reduced, and by flash distillation the crude is separated into only two products, namely, a vaporized low boiling product which is removed from the flash distillation zone in vapor phase and introduced directly and without previously being subjected to fractionation into a fractional distillation zone and a reduced crude comprising all the con-

stituents of the crude which are not vaporized and which is heated to effect its partial vaporization and then introduced into the same fractional distillation zone at a locus substantially below the locus of introduction of said separated light product, and from which fractional distillation zone its fractional products are separately withdrawn: the herein described improvement which comprises subjecting the separated light vaporous product of flash distillation, while still in vapor phase and prior to any fractionation thereof, to a reduced temperature effective to condense condensible constituents so that said separated light product is introduced into the fractional distillation zone mainly as a liquid constituent.

2,426,111

METHOD OF PRODUCING HARD ELECTRICALLY INSULATING ARTICLES FROM POLYISOBUTYLENE, STYRENE, AND DIVINYL BENZENE

Willi Mertens, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States

No Drawing. Application September 19, 1939, Serial No. 295,606. In Germany September 13, 1938

4 Claims. (Cl. 18—47.5)

1. The method of producing solid electrically insulating articles which comprises the steps of preparing a homogeneous mixture of a quantity of polyisobutylene with a quantity of monomeric styrene and divinylbenzol associated with a polymerization-favoring ingredient, heating the total mixture to polymerize the monomers in the presence of the polyisobutylene, obtaining a prehardened material, subjecting said prehardened material to a kneading treatment thereby softening the material and subjecting the softened material to another heat treatment at a temperature of about 130° C. to reharden the material in order to obtain a rigid end product.

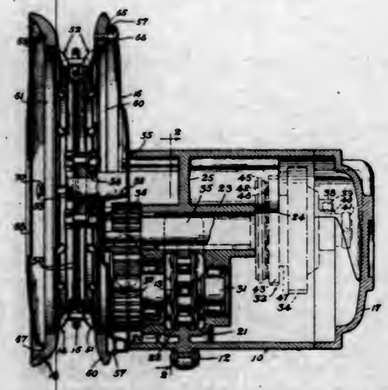
2,426,112

CHAIN HOIST

George E. Moore and Ralph E. Smith, Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey

Application November 24, 1943, Serial No. 511,510

7 Claims. (Cl. 254—169)



5. A portable chain hoist having, in combination, a gear casing including a body member in the form of a hollow casting open at one end, means for suspending said member from a supporting structure, a rotatable lifting member journaled in the body member below said supporting means, a shaft journaled in said body member and projecting from the open end thereof, a chain wheel fast on the projecting end of the shaft, a housing enclosing said chain wheel, means including spur gearing operatively connecting said shaft with said lifting member, a part of said gearing projecting beyond the open end of the body member, and a cover plate supporting said wheel housing and closing the open end of said body member, said cover plate comprising a sheet metal stamping formed to provide a recess for receiving the projecting part of said gearing.

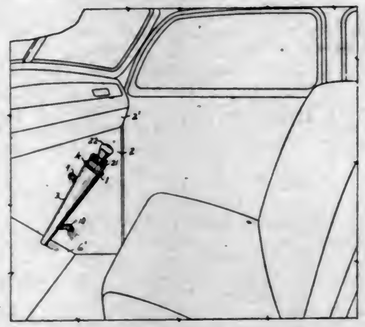
2,426,113

UMBRELLA HOLDER

Robert E. Northcutt, Kansas City, Mo., assignor of one-half to Morris Y. Wiber

Application April 1, 1946, Serial No. 658,773

3 Claims. (Cl. 224—29)



1. An umbrella holder comprising, a tubular holding member secured to a support in vertical position and having one end thereof extending through said support, a tubular member engaging said tubular holding member beneath said support, and a pin transversely of the opening in the lower end of the tubular holding member for engaging the end of the umbrella to hold the umbrella loosely therein to allow drainage of moisture from the umbrella through said tubular member.

2,426,114

ELEVATOR

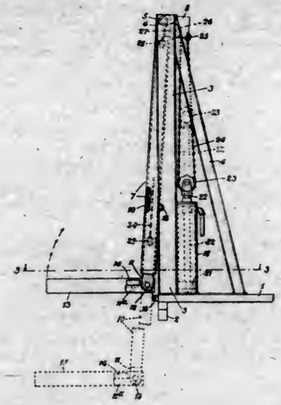
Frank A. Novotney, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois

Application March 30, 1945, Serial No. 585,738

11 Claims. (Cl. 187—26)

1. In combination, in a load raising and lowering assembly adapted to be mounted upon a support, members defining a fixed frame, said members adapted to be secured to said support and members defining a movable frame mounted in said fixed frame, said movable frame including members mounted for swinging movement only and members mounted for telescopic movement with respect thereto, a load carrying platform mounted on said telescopic members, and means adapted to be mounted on said support for raising and lowering said telescopic members, said means including a piston and cylinder assembly, a flexible member fixed upon said fixed frame and fixed upon one of said telescopic members,

a sprocket adapted to be moved by said piston and engaging said flexible member and a shaft having a second sprocket, said second sprocket adapted to be engaged by said flexible member



to rotate said shaft and a drum fixed on said shaft, a second flexible member fixed thereto and adapted to be wound thereabout, said second flexible member being fixed to the other telescopic member.

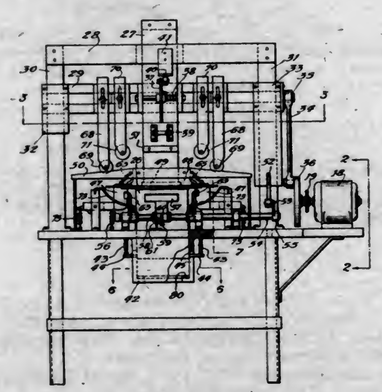
2,426,115

CARTON ERECTING APPARATUS

George C. Nydegger, Los Angeles, Calif.

Application May 17, 1945, Serial No. 594,312

8 Claims. (Cl. 93—49)



1. In an apparatus for erecting carton blanks from their flattened state, comprising a movable table to receive a flattened carton blank, a reciprocable plunger for forcing said table and the bottom of the blank down a distance equivalent to the heighth of the carton, means for supporting the end flaps and top of the carton during the downward movement of the reciprocal plunger, means movable relative to the plunger for erecting the side walls of the carton, means for folding the end flaps of the side walls of the carton inwardly, means for bending the end wall flaps of the carton downwardly, and means for bending the end walls of the carton downwardly to move the end wall flaps into frictional locking engagement at the bottom of the carton.

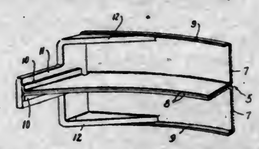
2,426,116

FRICTION ELEMENT FOR BRAKES

John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois

Original application December 7, 1944, Serial No. 567,004. Divided and this application September 20, 1945, Serial No. 617,597

4 Claims. (Cl. 188—250)



4. A brake shoe comprising two metal strips disposed side by side and having flanges along adjacent sides secured together to form a central rib, a plate extending transversely across the end of said rib in abutment with the latter, and members laterally spaced from said rib on opposite sides thereof and extending along and secured to the outer side margins of said strips, one end of each of said members being rigidly connected to the corresponding outer end of said plate.

2,426,117

RAZOR

Henry Ostrovsky, Philadelphia, Pa.

Application January 27, 1945, Serial No. 574,850

15 Claims. (Cl. 30—58)



1. A safety razor having a handle, a head pivoted at its rear to opposite sides of the handle, said head having a blade slot through the front thereof and a seat at the rear for the blade, and a leaf spring extending upwardly from the handle having a pin at its upper end adapted to enter an opening in a blade to spring the blade between the opposite edges of the opening and thereby retain the blade in shaving position.

2,426,118

PROCESS FOR THE CATALYTIC DEHYDROGENATION OF HYDROCARBONS

Robert L. Parker, Jr., Los Angeles, and Hal C. Huffman, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application December 21, 1943, Serial No. 515,122

11 Claims. (Cl. 260—680)

1. A process for the catalytic dehydrogenation of hydrocarbons which comprises subjecting said hydrocarbons to an elevated temperature in the presence of a catalyst comprising an activated alumina containing about 0.5% to about 15% of

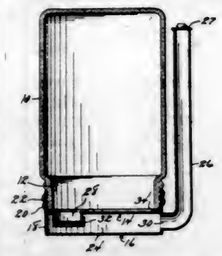
an oxide of an element selected from a class consisting of silicon, titanium, and zirconium, about 1% to about 15% of beryllia and a minor proportion of an oxide of a metal of group VI B.

2,426,119

CONTAINER WITH DISCHARGE PASSAGE ARRANGED FOR MEASURING BY TIPPING

Albert Partin, Livingston, Mont.

Application July 19, 1943, Serial No. 495,332
2 Claims. (Cl. 222—457)



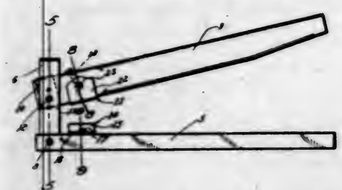
1. A dispensing device comprising a receptacle for the material to be dispensed and having an open top, a pair of caps threadedly engaged with each other to form a chamber between the caps, one of said caps constituting a cover for the open top of the receptacle, said latter cap having an outlet therein for the material in the receptacle to the chamber between the caps, a longitudinally adjustable sleeve about said outlet to regulate the quantity of material introduced into the chamber, an elongated outlet spout for the chamber extending parallel with the receptacle and terminating at a point adjacent its bottom a hinged cover at its discharging end, and the outlet in the chamber being diametrically opposite the inlet of said outlet spout.

2,426,120

NUT CRACKER

Thomas Wynn Posey, Brownwood, Tex.

Application September 29, 1945, Serial No. 619,323
2 Claims. (Cl. 146—16)



1. In a nut-cracker of the character described, an oblong base, a standard rising from the base adjacent one end thereof, a lever having an adjustable pivotal connection at one end thereof with said standard, a stationary jaw mounted on said base adjacent said standard, said stationary jaw embodying a raised portion having a nut-accommodating recess therein and a through opening axially of said recess with an upstanding flange surrounding the opening and serving as a cutting-edge, and a jaw member fixed on said lever adjacent the pivoted end of the latter, said last-named jaw member having a nut-accommodating recess and an opening at the inner end of said recess, together with a flange surrounding said opening and extending inwardly of said recess and presenting a cutting-edge; and means for clearing the last named jaw of any shell accummulations therein operative by engagement with said standard during upward swinging of said lever and including a member for entering the recess of the last named jaw by way of the opening at the inner end of said recess.

2,426,121

PRODUCTION OF ORGANO-SILICON COMPOUNDS

John B. Rust, West Orange, and Charles A. MacKenzie, Upper Montclair, N. J., assignors to Montclair Research Corporation, a corporation of New Jersey

No Drawing. Application October 3, 1944, Serial No. 557,046
14 Claims. (Cl. 260—607)

1. The method of preparing an organo silicon derivative which comprises adding a mixture of a halohydrocarbon and a silicon halide to a mixture of magnesium and a Grignard solvent at a temperature at which refluxing takes place to produce a reaction product containing an organo silicon halide in substantial amount, the organo group being the hydrocarbon group present in the halo-hydrocarbon.

2,426,122

PRODUCTION OF ORGANO-SILICON COMPOUNDS

John B. Rust, Montclair, and Charles A. MacKenzie, Upper Montclair, N. J., assignors to Montclair Research Corporation, a corporation of New Jersey

No Drawing. Application October 17, 1944, Serial No. 559,128
8 Claims. (Cl. 260—607)

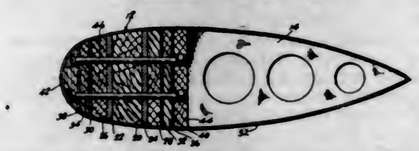
1. The method of preparing an organo silicon derivative which comprises adding a halo hydrocarbon to a heated mixture of silicon halide, magnesium and Grignard solvent of an alkyl ether having not more than four carbon atoms at a temperature within the range 30–200° C. at which refluxing of the ether takes place to produce a reaction product containing an organo silicon halide in substantial amount, the organo group being the hydrocarbon group of the halo hydrocarbon.

2,426,123

HELICOPTER BLADE

Igor I. Sikorsky, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application February 27, 1943, Serial No. 477,415
3 Claims. (Cl. 170—159)



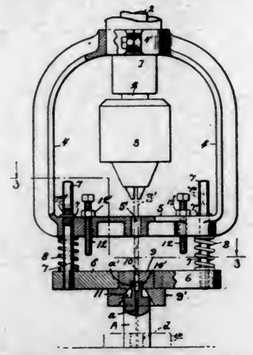
2. A spar for a rotor blade comprising a series of superimposed lamina having their major surfaces extending longitudinally of said spar including metal lamina for resisting centrifugal forces, and viscid material arranged between lamina for damping vibrations producing relative motion of the lamina, and means for holding said spar in assembled relation.

2,426,124

DRILL PRESS ATTACHMENT

Arthur H. Skwierawski, West Allis, Wis., assignor of one-half to James M. Herro, Milwaukee, Wis.

Application May 31, 1945, Serial No. 596,885
1 Claim. (Cl. 77—55)



In a drill press having a quill and a chuck at its end; the combination of a boring attachment comprising a balanced yoke secured to the quill and encasing the chuck, a horizontally positioned bridge piece connecting the yoke arms having a central drill guide aperture therein, a head below the bridge in parallel relations therewith having a drill aperture in alignment with the bridge aperture, a bushing carried by the head for the reception of machine parts to be fitted therein, a pair of spring controlled guide rods carried by the head in slidable union with the bridge piece, and a pair of adjustable stop pins in threaded union with the aforesaid bridge piece upon opposite sides of its drill aperture, whereby the yoke unit, as an entirety, is balanced with relation to the drill press quill.

2,426,125

MANUFACTURE OF GLYCOL ALGINATES

Arnold B. Steiner, La Jolla, Calif., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware

No Drawing. Application April 3, 1944, Serial No. 529,423
6 Claims. (Cl. 260—209.6)

5. The solid addition product of alginic acid and an alkylene oxide, containing not more than five carbon atoms, characterized by forming substantially clear, viscous, colloidal, aqueous solutions in the presence of acids.

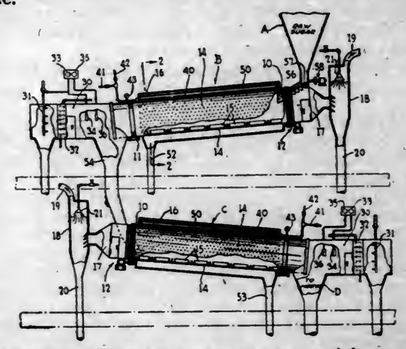
2,426,126

METHOD AND APPARATUS FOR AFFINING SUGAR

George E. Stevens, Denver, Colo., assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah

Application March 16, 1944, Serial No. 526,688
11 Claims. (Cl. 127—64)

7. The method of affining impure sugar which comprises passing a stream of the same through an elongated treatment zone having at least two distinct stages, passing an atmosphere of wet steam through each of said stages and continually showering the sugar through the steam within each stage, thereby causing water to collect upon and liquefy molasses adhering to the sugar grains, flowing the resulting syrup away from the sugar grains in each stage, and collecting such syrup produced in a first stage of said zone separately from such syrup produced in a later stage of said zone.



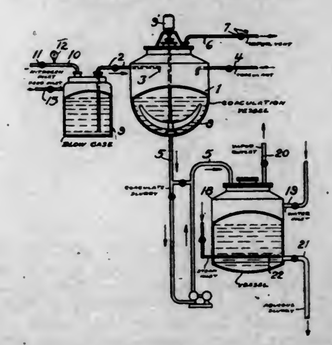
9. Sugar affination apparatus comprising a plurality of inclined rotary drums arranged in a communicating series and each formed with a long perforate wall portion, a stationary shell surrounding and enclosing each perforate wall portion, means to feed a stream of sugar into the upper end of the first drum, means inside each drum for lifting and showering the sugar passing therethrough as the drum rotates, means adjacent the lower end of each drum for supplying a heated aqueous atmosphere thereinto, means for recovering syrup from each of said shells, and means for recovering treated sugar from the lower end of the last drum.

2,426,127

METHOD OF COAGULATING LATICES OF SYNTHETIC RUBBERLIKE MATERIALS

Robert M. Thomas, Union, and Donald C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

Application October 29, 1941, Serial No. 416,978
13 Claims. (Cl. 260—93)

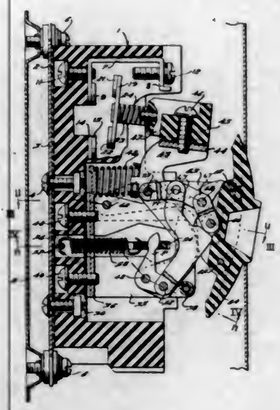


1. The process of coagulating a synthetic rubber latex consisting of a copolymer of a conjugated diolefin and an unsaturated comonomer in an aqueous dispersion which comprises introducing into a cooling zone a liquid refrigerant chemically inert to said latex and having a boiling point such that upon evaporation a temperature below the freezing point of said latex is obtained, evaporating said refrigerant in the cooling zone, and contacting a dispersed stream of said latex with said refrigerant in said zone whereby said latex is frozen, and thawing said frozen latex to separate synthetic rubber therefrom.

2,426,128
PLASTIC COMPOSITIONS MADE WITH TRIMETHYLOLNITROMETHANE
William W. Trowell, Greenville, S. C., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1940, Serial No. 370,623
12 Claims. (Cl. 154—136)

1. A method of hardening a composition of matter comprising an organic binding material which is capable of being hardened by formaldehyde which comprises incorporating trimethylolnitromethane in said composition in an amount ranging from about 2% to about 25% by weight based on the weight of said organic material, shaping said composition, and thereafter heating to bring about decomposition of trimethylolnitromethane in the composition to formaldehyde and a plasticizing tar and hardening of the organic binding material by reaction with the released formaldehyde.

2,426,129
ELECTRIC SWITCH
Hermon L. Van Valkenburg, Wauwatosa, and Carl A. Schaefer, Whitefish Bay, Wis., assignors to Square D Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1943, Serial No. 485,794
19 Claims. (Cl. 200—116)



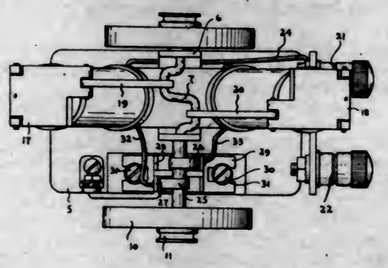
1. In an electric switch, switching means, an operating handle, a link pivoted at one end to said switching means, a second link pivoted at one end to said operating handle, an intermediate link pivoted to the opposite ends of said first mentioned links, means positively restraining the pivot junctions of said links for normal movement in fixed paths, movement of said handle effecting movement of the link connected thereto to effect movement of said pivot junctions in said fixed paths to move the switching means to open and close the circuit through the switch, and means for effecting movement of at least one of said positively restrained link pivot junctions out of its normal fixed path to a collapsed position in response to the occurrence of a current overload through the switch to effect automatic movement of said switching means to an open circuit position.

2,426,130
ROTOR BLADE
Quentin R. Wald, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 12, 1944, Serial No. 567,842
8 Claims. (Cl. 170—159)



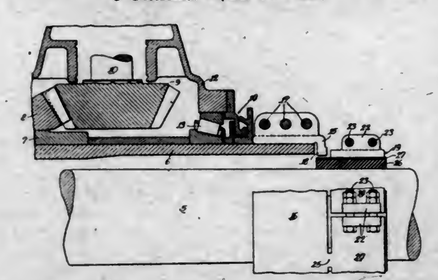
3. In a rotor blade driven in a closed path of rotation from a source of power, a sustaining portion having tip and root ends, a universal connection between the root end and the source of power whereby the blade can move in a first direction upon and down in said path of rotation and in a second direction back and forth substantially within said path, and a structural member extending lengthwise of said rotor between its ends; damping means for restraining the freedom of movement in at least one of said directions comprising in combination, a pin secured to said structural member, an elongated damping member rotatably mounted on said pin and having a pair of weights at its ends and a hole between its ends, the hole being arranged with respect to the weights so that the center of gravity of said member is not in registry with the hole, and energy absorbing means arranged between the damping member and the structural member for absorbing energy when the damping member moves beyond a predetermined range of movement.

2,426,131
TOY ELECTRICAL ENGINE
David J. Weirich, Williamstown, N. J.
Application August 22, 1945, Serial No. 612,079
1 Claim. (Cl. 172—126)



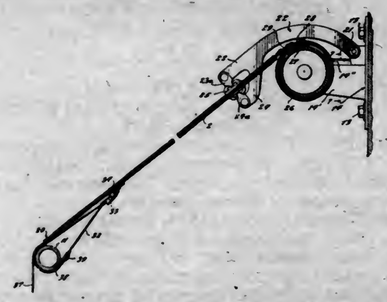
A toy electric engine comprising a plurality of electromagnets, an armature pivoted above each magnet for actuation thereby, a crankshaft mounted for rotation between the magnets, connecting rods between the armatures and the crankshaft for transmitting movement of the former to the latter, and circuit making and breaking means for the magnets to alternately energize the same and including cams carried by the crankshaft, and U-shaped brushes having legs positioned at oppostie sides of the cams for engagement thereby and a slidable support for the brushes to move the respective legs of the brushes into and out of contacting position with the cams to increase or decrease the contacting area of the cams with the brushes to vary the speed of the engine.

2,426,132
AXLE GENERATOR DRIVE
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 19, 1944, Serial No. 545,713
6 Claims. (Cl. 64—11)



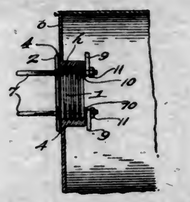
1. Means for truing a cylindrical quill on a rotatable shaft comprising a support member having two complementary halves clamped to the end of said quill, secondary portions extending axially therefrom and split into quadrant sections by longitudinally milled slots, radially milled slots in said member between said quill engaging portion and said secondary portion providing flexing connection between said portions, arcuate rubber segments about said shaft, said quadrant sections being adjustably clamped about said segments to support said quill coaxially with said shaft.

2,426,133
AWNING STRUCTURE
Charles C. Willis, Bound Brook, N. J., assignor to Crown Fastener Corporation, Warren, R. I., a corporation of Delaware
Application October 9, 1945, Serial No. 621,216
19 Claims. (Cl. 160—54)



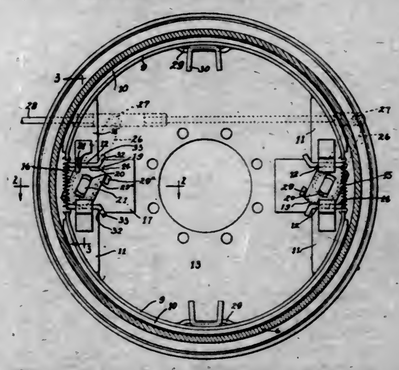
10. In an awning structure of the character described, the combination of a wall bracket, a bearing supported thereby, a bifurcated arm supported on the bracket adjacent the bearing, and upper and lower slider supporting means carried by the respective portions of the bifurcated arm.

2,426,134
BUNG AND SPIGOT LOCKING EQUIPMENT FOR BARRELS AND CONTAINERS
Alton B. Wilson, Kansas City, Mo.
Application February 28, 1945, Serial No. 580,184
2 Claims. (Cl. 220—55)



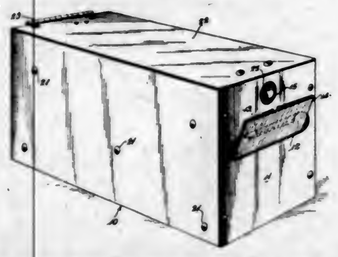
1. A bung for insertion in the bung hole of a barrel comprising a threaded plug, a pair of latch handles of eye bolt form threaded through said plug in diametrically opposite sides of the same with loop ends disposed forwardly of the plug for use in rotating said handles, and a pair of bar-like keepers in the rear of the plug having inner ends fixed on said handles for rotation thereby, said keepers being rotatable by said handles into side by side oppositely extending relation to permit insertion of the same through said bung hole.

2,426,135
BRAKE
Karl M. Yost, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, Beloit, Wis., a corporation of Illinois
Application April 21, 1944, Serial No. 532,048
3 Claims. (Cl. 188—78)



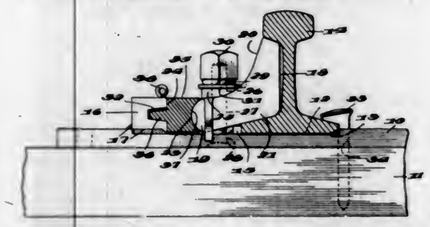
1. A friction brake having, in combination, a pair of shoes adapted for engagement with the internal surface of a drum and providing pairs of parallel ends circumferentially spaced apart, anchors disposed between said ends and having flat side faces adapted for abutment therewith, spring means for contracting said shoe ends against said anchor faces, means for spreading said shoe ends apart to apply the brake, radially flaring surfaces on each of said anchors adjacent said faces, and complemental flaring projections on said shoe ends coacting with said anchor surfaces during contraction of said shoes to center the shoe ends radially with respect to said anchor faces.

2,426,136
FOLLOWER RETAINER FOR NAPKIN DISPENSERS
Edward Agamaite, Jr., Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application February 26, 1946, Serial No. 650,237
5 Claims. (Cl. 312—62)



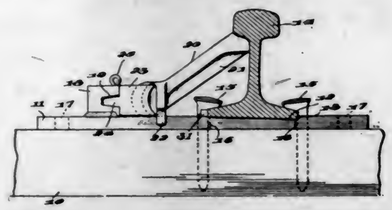
1. In a napkin dispenser of the type including an elongated casing having a lid hinged to one end wall, a dispensing opening in the remaining end wall and a follower yieldingly urged toward the discharge opening: a rigid member projecting rearwardly from said follower and formed with an opening; a rigid member projecting forwardly from said one end and formed with an opening; rigid means coacting with said openings to interlock said rigid members with the follower in its rearmost position; and means actuated by movement of the cover to open position, acting to move said rigid means to member interlocking position.

2,426,137
RAIL BRACE
James H. Asselin, Winnetka, Ill.
Application May 16, 1945, Serial No. 593,979
10 Claims. (Cl. 238—292)



1. A rail brace comprising, a base plate adapted to be disposed beneath a railroad rail, said base plate having a raised abutment for engaging one end of the rail brace, a block rigid with the base plate and spaced from the opposite edge of rail when said rail is disposed in place on said base plate, said block having a surface facing toward said rail, a brace member for engaging the rail, said brace member being positioned between the rail and said block and having a surface facing towards said block, the facing surface of said block and brace member being contained in non-parallel planes, the surface of said block facing said rail having a longitudinal groove extending throughout its length, said groove in section having the shape of a truncated triangle, a wedge adapted to be driven horizontally between said block and said brace member, said wedge having side surfaces complementary to the adjacent surfaces of said block and said brace member, a tongue extending laterally from the side surface of the wedge adjacent said block for engagement within said groove when the wedge is driven into place, said tongue in section being similar to the section of said groove, the cross sectional area of said groove being slightly larger than that of said tongue, the facing surface of said wedge and said brace member being provided with complementary semi-circular profiles forming a cylinder and socket joint between said brace member and said wedge, said brace member having an opening therethrough, and at least one bolt having a head engaged by the base plate and extending upwardly through said opening in said brace member, said bolt being provided with a nut for tightening the brace member to the base plate.

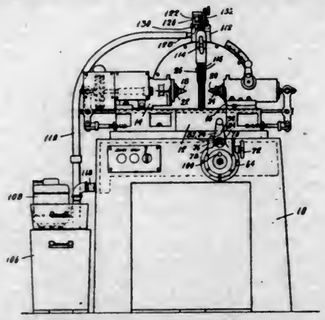
2,426,138
RAIL BRACE
James H. Asselin, Winnetka, Ill.
Application May 16, 1945, Serial No. 593,980
7 Claims. (Cl. 238—292)



1. A rail brace comprising, a base plate adapted to be disposed beneath a railroad rail, said base plate having a raised abutment for engaging one edge of the rail base, a block rigid with the base plate and spaced from the opposite edge of a rail when said rail is disposed in place on said base plate, said block having a surface facing toward said rail, a brace member for engaging the rail, said brace member being positioned between the rail and said block and having a surface facing towards said block, the facing surfaces of said block and brace member being contained in non-parallel planes, the surface of said block facing said rail having a longitudinal groove of rectangular section extending throughout its length, a wedge adapted to be driven horizontally between said block and said brace member, said wedge having side surfaces complementary to the adjacent surfaces of said block and said brace member, a rectangular sectioned tongue extending laterally from the side surface of the wedge adjacent said block for engagement within said groove when the wedge is driven into place, the cross sectional area of said groove being slightly larger than of said tongue, the facing surfaces of said wedge and said brace member being provided with complementary semi-circular profiles forming a cylinder and socket joint between said brace member and said wedge.

2,426,139
TOOL CONTROL MECHANISM FOR MACHINE TOOLS
Benjamin S. T. Bishop, Shrewsbury, and Frank A. Bicknell, Worcester, Mass., assignors to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts
Application June 8, 1944, Serial No. 539,357
4 Claims. (Cl. 51—165)

1. In a machine tool having a movable carriage, means for moving and adjusting the position of the carriage comprising a feed screw rotatably fixed relative to the carriage and threadedly engaged therewith, a casing rotatably fixed relative to the carriage and rotatably supporting one end of said screw, mechanism mounted in said casing for manual rotation of the screw independent of rotation of the casing, said mechanism locking the screw and casing for rotation as a unit when the casing is rotated, a stop member fixed adjacent to said casing, and a coacting stop member carried by said casing for limiting angular motion of the latter in one direction;

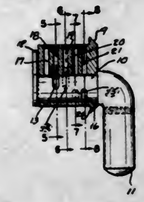


said fixed stop having a plurality of abutments thereon simultaneously disposed in positions for coaction with said coacting stop member, and said coacting stop member carried by said casing being adjustable to either of a plurality of stop positions for engaging one or another of said abutments of the fixed stop member, thereby to stop movement of the carriage in one or another position, when said casing is rotated in one direction.

2,426,140
NONSETTLING MINERAL FILLERS
Armand R. Bollaert, Palos Verdes, Calif., assignor to Great Lakes Carbon Corporation, a corporation of Delaware
No Drawing. Application October 15, 1945, Serial No. 622,477
8 Claims. (Cl. 106—288)

1. A stabilized aqueous suspension of finely comminuted diatomaceous earth containing from 10 percent to 15 percent of a colloidal bentonite and from 0.6 percent to 1.0 percent of an ammonium salt of a strong mineral acid, said percentages being on the dry weight of earth in said suspension.

2,426,141
LOCK CYLINDER
Lester L. Kell, St. Louis, Mo.
Application March 13, 1944, Serial No. 526,185
3 Claims. (Cl. 292—140)



1. The combination of a lock cylinder body having a horizontal bore extending through its entire length and a vertical bore intersecting said horizontal bore, a recessed cylindrical body sized to fit said horizontal bore and extending through and revolving freely therein, a movable element seated in said horizontal bore and adapted to engage the recessed portion of said cylindrical body, a lever handle at one end of said cylindrical body, and a cam attached to the end of said cylindrical body opposite said handle.

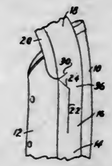
2,426,142
BLEACHING COTTON TEXTILE GOODS
Donald J. Campbell, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1943, Serial No. 500,839
5 Claims. (Cl. 8—111)

1. In a process for bleaching cotton textile goods in which the goods are subjected successively to desizing, souring, and bleaching treatments, carrying out the souring step by subjecting the goods to treatment with an aqueous solution containing 0.5% to 20% by weight of a peracid taken from the group consisting of persulfuric acid, peracetic acid, monoperbenzoic acid, monoperphthalic acid, and monopersuccinic acid, and then bleaching said cotton textile goods with an aqueous alkaline solution of a peroxygen compound taken from the group consisting of hydrogen peroxide and sodium peroxide.

2,426,143
STABILIZATION OF FURFURAL
Rock L. Comstock, Weeks, La., and Howard F. Reeves, Jr., Wyandotte, Mich., assignors to Bay Chemical Company, Inc., New Orleans, La., a corporation of Louisiana
No Drawing. Original application May 31, 1940, Serial No. 338,274. Divided and this application July 6, 1944, Serial No. 543,736
8 Claims. (Cl. 260—347)

1. A process of inhibiting the deterioration of normally unstable furfural comprising incorporating in the furfural a small proportion of hydrosulfite sufficient to substantially inhibit deterioration.

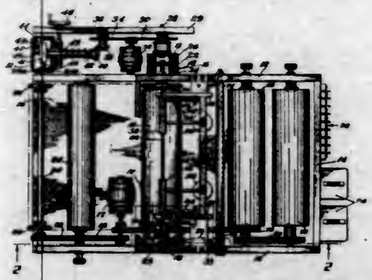
2,426,144
GARMENT CONSTRUCTION
Joseph Clyne, Bronx, N. Y.
Application July 20, 1945, Serial No. 606,133
6 Claims. (Cl. 2—93)



1. In a sleeved garment having a waist portion including a front section, a back section, a top sleeve and an elongated one piece panel member one end section of which is set in the side of the garment between the front and back sections and the opposite end section of which is sewed to the top sleeve to provide an under sleeve for the garment, the improvement in which said panel member in blank or pattern form includes a considerable allowance of extra material as an intermediate section for the armpit of the garment to permit the free raising of the wearer's arm without binding his arm muscles, the lower front portion of said allowance being bounded by a V-shaped notch in the front edge of the panel and a cut

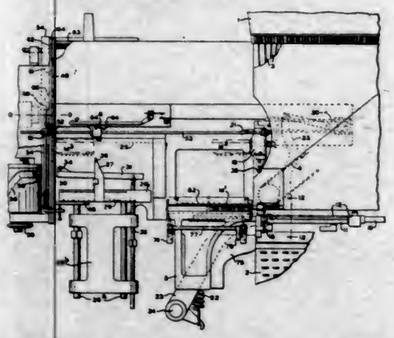
extending downwardly and backwardly from the V-point of the notch to about halfway across the panel, the edges of said notch and cut respectively being sewed together, whereby said panel member is substantially bent forward at the armpit of the garment and shaped to fit the wearer.

2,426,145
CHRONOMETRIC RECORDER
William Knowlton Coburn, Cambridge, Mass., assignor to Serdex, Inc., Boston, Mass., a corporation of Massachusetts
Application March 30, 1946, Serial No. 658,556
11 Claims. (Cl. 234—36.5)



1. Apparatus of the class described, which comprises a drum, a rotatable pointer, means for driving said drum and said pointer and for driving the drum faster than said pointer, means for stopping said drum after one revolution and before said pointer stops, means responsive to a received signal for starting said drum, and means associated with said pointer for automatically varying the speed of said driving means in accordance with the variation in the intervals between received signals.

2,426,146
APPARATUS FOR PRODUCING JUSTIFIED TYPE MATTER
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application July 9, 1946, Serial No. 682,233
23 Claims. (Cl. 95—4.5)

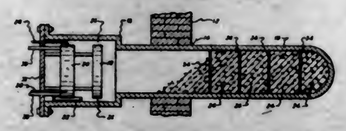


1. Apparatus for producing a line of type matter of a desired length from elements composed into a line of an arbitrary shorter length and containing word-space representing elements expansible in thickness and elements of fixed variant thicknesses representing the variant width type characters to be produced, in combination; a channel for supporting the composed line of elements, means for expanding the word-space elements in said line and accordingly increasing its length; stop means providing a maximum limit short of the desired line-length to which the length of said line of elements may be increased by said expansion and means for holding the word-space elements in their expanded condition; a line-shortage gauge and operating means for moving it from an inactive position to an active position between said stop means and the terminal end of the line to provide a gauge of the difference between the expanded and desired line-lengths; means for locking the gauge operating means in its operated position; and means for progressively re-producing in line the characters and word-spaces represented by the composed line of elements, said re-producing means including responsive means for progressively advancing the line of elements and said gauge relatively to the gauge operating means and advanceable in response to the thicknesses of the successive elements, and means operable under control of the gauge operating means to cause progressive retreat of the gauge from its active position extents governed by and proportionate to the extent of its advances as determined by the thicknesses of the successive elements, said responsive means operating in accordance with such retreat of the gauge to distribute the gauged amount of line-length difference among the characters and word spaces produced in an amount for each character and word-space element proportionate to its thickness.

2,426,147
CEMENT MANUFACTURE
Knud Horn, New York, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
No Drawing. Application January 9, 1945, Serial No. 572,095
10 Claims. (Cl. 106—103)

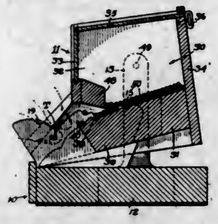
1. A process for manufacturing cement which comprises preparing a finely-divided mixture of calcium sulphate material, alumina, and silica, and a quantity of material selected from the class consisting of FeS_2, organic sulphides, and elemental sulphur, the amount of said latter material providing substantially less sulphur than the stoichiometric amount to reduce the calcium sulphate present in the mixture to lime, and heating the mixture in an atmosphere of air until substantially the total sulphur present in the mixture is oxidized to SO_2 and clinker is formed.

2,426,148
THERMAL REDUCTION OF METALS
Sven E. Hybinette and Francis C. Cary, Wilmington, Del., assignors to Hybinette and Cary, Wilmington, Del., a firm composed of Sven E. Hybinette and Francis C. Cary
Application October 19, 1943, Serial No. 506,828
6 Claims. (Cl. 266—15)



6. An improved retort having wall structure defining axially aligned high and low temperature chambers with said low temperature chamber being enlarged at the junction between said chambers, a radiant heat shield located in said enlargement and intercepting the radial heat projection into said low temperature chamber; said shield being spaced from the wall structure of said enlargement to provide a tortuous path for the unobstructed passage of vapors around said shield, a condenser for said vapors in said low temperature chamber on the opposite side of said shield from said high temperature chamber, and means located in said low temperature chamber for collecting material condensed upon said condenser.

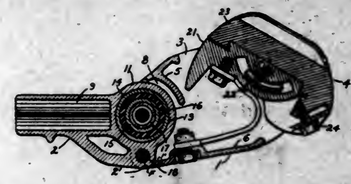
2,426,149
TOOTHPICK DISPENSER
John E. Kenkel, Great Falls, Mont.
Application July 7, 1945, Serial No. 603,606
3 Claims. (Cl. 312—77)



1. A toothpick dispenser comprising a stationary base section adapted to rest on a suitable horizontal support, an upper magazine section for a supply of toothpicks mounted on the base section for pivotal movement on a horizontal axis, forwardly and downwardly inclined and laterally spaced cooperative delivery chutes channel shape in cross section connected with the magazine section at opposite sides thereof, said chutes communicating with the interior of the magazine section in such manner that only one toothpick at a time may pass out of the magazine section with its opposite end portions disposed in said chutes, spaced upright stationary members on the base section extending in a front to back direction between the chutes, said magazine section having a bottom with elongated openings therein into which said stationary members project so that the bottom is movable with respect thereto in the pivotal movement of the magazine section, the stationary members and said bottom having an arrangement of inclined surfaces and abutments to advance said toothpicks step by step one at a time out of the magazine section with the end portions disposed in said chutes as the magazine section is caused to pivot up and down by reason of the withdrawal from the chutes of the most advanced toothpick by grasping the toothpick between its ends.

2,426,150
CUSHIONED TROLLEY POLE HEAD
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 2, 1945, Serial No. 586,160
1 Claim. (Cl. 191—60.3)

In a trolley head comprising a pair of parts, one part having means to attach it to a support and the other part provided with a current collector adapted to engage a trolley wire and one part having a clevis and the other part having a tongue to interfit with the clevis and each having a transverse opening aligned axially with the other opening to form a hinge joint and resilient non-metallic means interposed between the clevis and the tongue to hold the parts against separation and so related to the parts that the parts are free to oscillate relative to one another without restraint set up by torsional stress in the said resilient means, the combination with the said parts of cooperating means to limit the said oscillations in one direction only and to normally support one part relative to the other whereby positive pressure is assured between the current collector and the trolley wire and whereby the resilient means is subject to radial pressure only thereby cushioning the pressure of the collector against the trolley wire.



2,426,151
TROLLEY WIRE SUPPORT AND ATTACHMENT THEREFOR
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 22, 1944, Serial No. 546,170
4 Claims. (Cl. 191—40)

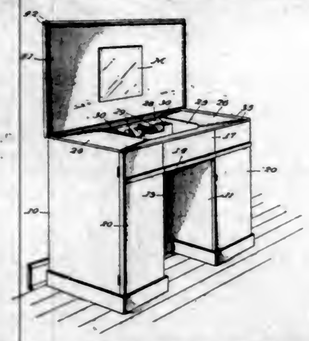


1. A trolley device to support a trolley wire, comprising a curved support member and a pull-off member secured to the curved member adjacent its longitudinal center and projecting laterally from the convex side of the curved member, brace members connected to the end portions of the curved member and to the pull-off member, the said members forming a triangular-shaped opening on each side of the pull-off member, a triangular-shaped guard positioned in each opening and each guard having its apex end attached to the curved support member intermediate its ends and the pull-off member and the other or base end of each guard associated with the pull-off member to maintain the curvature of the support member and protect the device from de-wired current collectors and movable toward either one of the members forming the sides of the opening to vary the clearance therebetween, means associated with the pull-off means and cooperating with means associated with each guard to secure the guards in position after permitting said movement and means associated with the curved member along its length to secure the trolley wire thereto for engagement by a passing current collector.

2,426,152
CONCEALED BASIN FURNITURE
Horace Spencer Meldahl, Charleston, W. Va.
Application April 27, 1945, Serial No. 590,654
4 Claims. (Cl. 4—167)

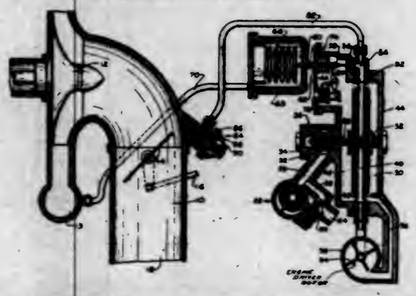
1. A lavatory structure comprising a base, a basin and drainboards overlying the entire base,

said basin and drainboards having a continuous raised peripheral bead extending above the base and with the bead having its upper edge located substantially in a horizontal plane, a hinge means at the rear of the structure, and a flat cover mounted on said hinge means, said hinge being disposed relative to said cover so that the pintle thereof is in rear of the inner face of the cover when raised and so that said inner face of the cover will lie in a plane intersecting the drainboards inside of the peripheral bead, said cover in upwardly swung position forming a splash board above and to the rear of the basin and



drainboards to prevent soiling of the room wall and in lowered position resting upon the said bead and concealing the basin and drainboards, and providing with the base the appearance of a desk having a flat table top at normal flat desk-top level, whereby the lowering of the cover can be accomplished at any time for thereupon immediately concealing the basin and drainboards, said bead being effective to prevent contact of the bottom surface of the cover with water lying on the drainboards, said cover including a peripheral molding which in the said lowered position conceals the edges of the basin and drainboards.

2,426,153
CHARGE FORMING DEVICE
Frank C. Mock, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application April 15, 1938, Serial No. 202,206, which is a continuation of application Serial No. 118,718, January 2, 1937. Divided and this application October 21, 1940, Serial No. 362,085
43 Claims. (Cl. 123—119)

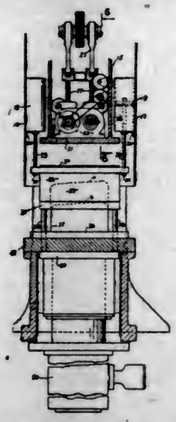


1. A device for controlling the supply of fuel to an engine comprising a conduit for conducting fuel to the engine, a fuel pressure responsive variable restriction adjacent the outlet of said conduit, a valve in said conduit, yieldable means urging said valve toward open position, a flexible element connected to said valve, and means adapted to be driven by the engine for creating fluid pressures on said element variable in response to variations in engine speed to control said valve.

2,426,154
STABILIZATION OF PEROXIDE SOLUTIONS
Joseph S. Reichert and Alfred T. Hawkinson, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1942, Serial No. 437,194
13 Claims. (Cl. 23—207.5)

9. A buffered stabilized aqueous solution of hydrogen peroxide having a pH falling within the range 2.0 to 6.0 and containing a peroxide stabilizer effective in the acid range and, as buffering agent, an aliphatic saturated dibasic acid selected from the group which consists of malonic acid, succinic acid, glutaric acid, adipic acid, pimelic acid, suberic acid, azelaic acid, and sebacic acid.

2,426,155
INCREMENT PRESS
Fredrich J. Rode, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application August 4, 1942, Serial No. 453,563
24 Claims. (Cl. 113—38)



1. In a machine of the class described, a ram, an upper die mounted to be moved by said ram, a die holder adapted to support a lower die for cooperation with said upper die, means adapted to move said ram by increments to progressively closer positions with said die holder as the metal working proceeds, said means comprising continuously operated mechanism for reciprocating said ram during a cycle of operation, another mechanism for lengthening said ram by increments during said cycle and means for automatically operating and controlling said last mentioned mechanism.

2,426,156
TYPE ASSEMBLY
Bernard W. Schabot, Ferndale, Mich.
Application October 15, 1943, Serial No. 506,357
3 Claims. (Cl. 33—23)

2. In a pantograph marking machine the combination of a type assembly table having a groove

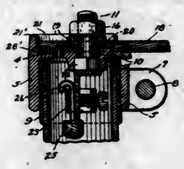
therein with undercut edges, type arranged to be set in said groove, said type having one edge or face inclined at an acute angle to the bottom face of the type to interengage one of the under-



cut edges of said groove, said type having the opposite edge or face inclined at an obtuse angle to the bottom face of said type whereby the type can be removed from said groove by tilting the same about said acutely inclined edge.

2,426,157
POTHEAD
Edward P. Smith, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 22, 1944, Serial No. 532,347
5 Claims. (Cl. 174—75)

1. A parkway cable outlet comprising a hollow standard, an outlet head mounted on one end of the standard in insulated relation thereto, the head provided with a cover portion closing the end of the standard and having a substantially flat outer surface and a depending sleeve, means to secure the sleeve to the standard, a separately formed and detachable connector extending through an opening in the cover portion in direct contact therewith and projecting from each face of the cover portion, the portion projecting from the inner face of the cover portion having adjustable means with an opening to receive and clamp either the insulation or the conductor element of a parkway cable, the other portion of the connector provided with a thread, a clamping member having a central opening through which the said threaded portion of the detachable connector projects, the clamping member arranged to hold a pair of track wires in position against the outer surface of the said cover por-

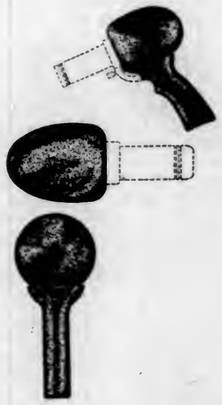


tion, a pair of upstanding fixed and parallel flanges extending along and projecting from the outer surface of the cover portion and in close juxtaposition to the ends of the clamping member to cooperate therewith and limit the rotation of the clamping member, means on the threaded portion of the connector to hold the clamping member and track wires in position and to receive and hold the cable conductor, and a fixed flange projecting from the cover portion and extending between the aforesaid flanges and arranged to limit the projection of the free ends of the track wires relative to the clamping member.

DESIGNS

AUGUST 19, 1947

147,312
DESIGN FOR A SURGICAL LAMP
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 11, 1946, Serial No. 129,594
Term of patent 14 years
(Cl. D48—24)



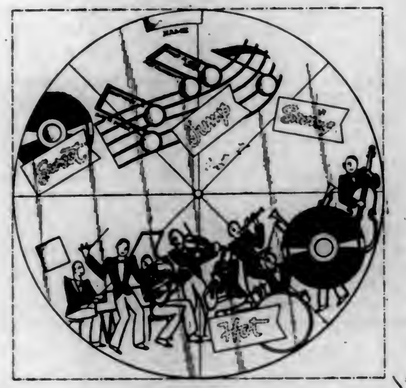
The ornamental design for a surgical lamp, substantially as shown and described.

147,313
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
Elvira Bosch Barrios, New York, N. Y.
Application February 18, 1946, Serial No. 126,662
Term of patent 3½ years
(Cl. D58—9)



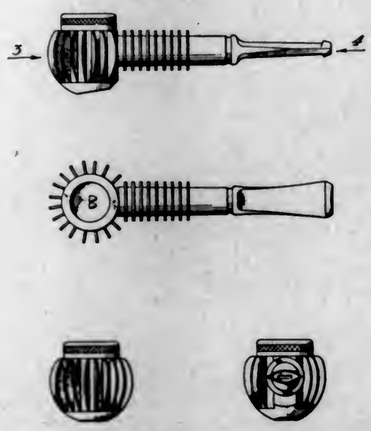
The ornamental design for a perfume bottle or similar article, substantially as shown.

147,314
DESIGN FOR A MUSIC INFORMATION CHART
Barbara Belle, New York, N. Y.
Application July 31, 1946, Serial No. 132,137
Term of patent 14 years
(Cl. D25—1)



The ornamental design for a music information chart, as shown.

147,315
DESIGN FOR A SMOKING PIPE
Cyril C. Benz, Los Angeles, Calif.
Application June 3, 1946, Serial No. 130,359
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a smoking pipe, substantially as shown.

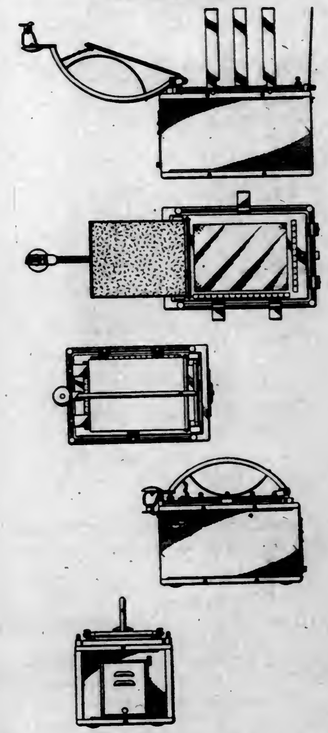
147,316
DESIGN FOR A RADIO CABINET OR THE LIKE
Robert E. Bingman, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 14, 1946, Serial No. 126,548
Term of patent 3½ years
(Cl. D56—4)





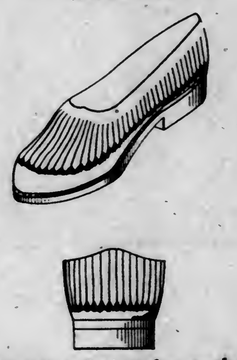
The ornamental design for a radio cabinet or the like, as shown.

147,317
DESIGN FOR A PHOTOGRAPHIC PRINTER OR THE LIKE
Cydney E. Breen, Los Angeles, Calif.
Application July 26, 1946, Serial No. 131,978
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a photographic printer or the like, substantially as shown and described.

147,318
DESIGN FOR A SHOE
James M. Carpenter, Atlantic City, N. J.
Application April 17, 1947, Serial No. 138,445
Term of patent 7 years
(Cl. D7—7)



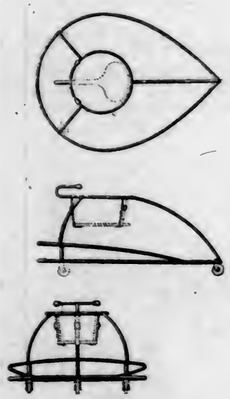
The ornamental design for a shoe, as shown and described.

147,319
DESIGN FOR A PERMANENT WAVE MACHINE
Howard D. Chapman, Tulsa, Okla.
Application August 26, 1946, Serial No. 132,868
Term of patent 14 years
(Cl. D86—10)



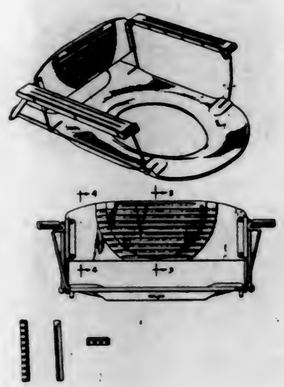
The ornamental design for a permanent wave machine, substantially as shown.

147,320
DESIGN FOR A BABY WALKER OR SIMILAR ARTICLE
John D. Cuccio, Los Angeles, Calif.
Application March 18, 1946, Serial No. 127,641
Term of patent 7 years
(Cl. D15—1)



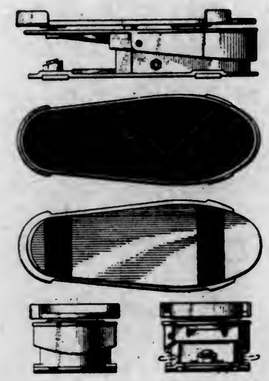
The ornamental design for a baby walker or similar article, as shown and described.

147,321
DESIGN FOR A CHILD'S TOILET SEAT
William J. Dunn, Winnetka, Ill., and Robert R. Richolt, Tujunga, Calif., assignors to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application August 30, 1946, Serial No. 132,991
Term of patent 14 years
(Cl. D4—5)



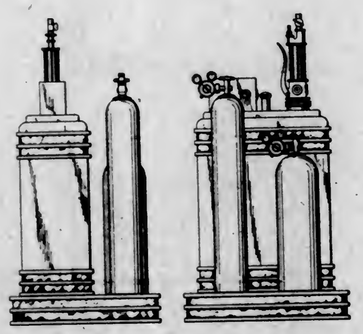
The ornamental design for a child's toilet seat, substantially as shown and described.

147,322
DESIGN FOR A FOOT PEDAL CONTROL FOR ELECTRIC CIRCUITS
Ben Eisenberg, Larchmont, and Otto B. Schwarz, New York, N. Y., assignors to Lektra Laboratories, Inc., a corporation of New York
Application April 16, 1946, Serial No. 128,644
Term of patent 7 years
(Cl. D26—13)



The ornamental design for a foot pedal control for electric circuits, as shown.

147,323
DESIGN FOR A DESK TYPE CIGARETTE LIGHTER
Helmut Erlanger, San Francisco, Calif.
Application April 19, 1946, Serial No. 128,754
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a desk type cigarette lighter, substantially as shown.

147,324
DESIGN FOR A LACE OR SIMILAR ARTICLE
Otto Frei, New York, N. Y.
Application November 9, 1946, Serial No. 134,644
Term of patent 7 years
(Cl. D47—6)



The ornamental design for a lace or similar article, substantially as shown and described.

147,325
DESIGN FOR A LACE OR SIMILAR ARTICLE
Otto Frei, New York, N. Y.
Application November 9, 1946, Serial No. 134,648
Term of patent 7 years
(Cl. D47—6)



The ornamental design for a lace or similar article, substantially as shown and described.

147,326
DESIGN FOR A BROOCH
Frank J. Gargano, Providence, R. I.
Application July 8, 1946, Serial No. 131,373
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch, as shown.

147,327
DESIGN FOR A BABY CARRIAGE OR SIMILAR ARTICLE
Louis Gottfried, New York, N. Y., assignor of one-half to Jakob Berger, New York, N. Y.
Application April 19, 1946, Serial No. 128,793
Term of patent 14 years
(Cl. D14—14)



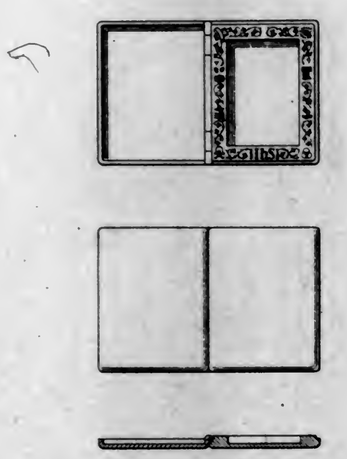
The ornamental design for a baby carriage or similar article, as shown and described.

147,328
DESIGN FOR A BABY CARRIAGE OR SIMILAR ARTICLE
Louis Gottfried, New York, N. Y., assignor of one-half to Jakob Berger, New York, N. Y.
Application April 19, 1946, Serial No. 128,795
Term of patent 14 years
(Cl. D14—14)



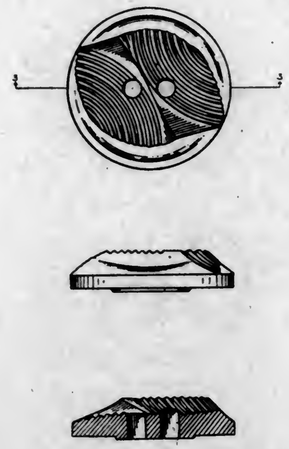
The ornamental design for a baby carriage or similar article, as shown and described.

147,329
DESIGN FOR A CASE FOR A RELIGIOUS SHRINE OR THE LIKE
William Taylor Jones, Scranton, Pa., assignor to Consolidated Molded Products Corporation, Scranton, Pa., a corporation of Delaware
Application March 19, 1946, Serial No. 127,668
Term of patent 14 years
(Cl. D29—23)



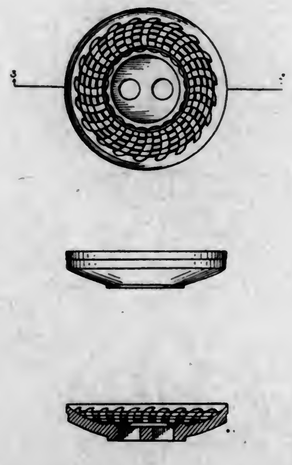
The ornamental design for a case for a religious shrine or the like, as shown.

147,330
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Daniel Kasen, Newark, N. J.
Application June 7, 1947, Serial No. 139,526
Term of patent 3½ years
(Cl. D17—2)



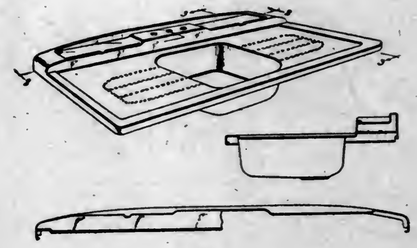
The ornamental design for a button or similar article, substantially as shown.

147,331
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Daniel Kasen, Newark, N. J.
Application June 7, 1947, Serial No. 139,527
Term of patent 3½ years
(Cl. D17—2)



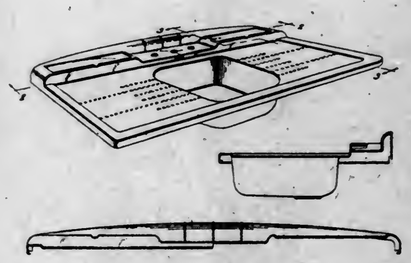
The ornamental design for a button or similar article, substantially as shown.

147,332
DESIGN FOR A SINK
Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,760
Term of patent 14 years
(Cl. D4—2)



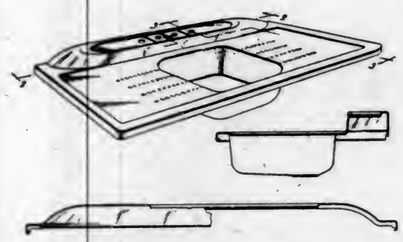
The ornamental design for a sink, as shown and described.

147,333
DESIGN FOR A SINK
Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,761
Term of patent 14 years
(Cl. D4—2)



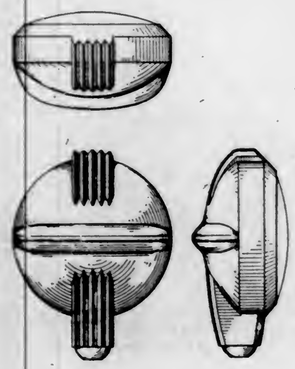
The ornamental design for a sink, as shown and described.

147,334
DESIGN FOR A SINK
Leonard Keller, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 125,762
Term of patent 14 years
(Cl. D4—2)



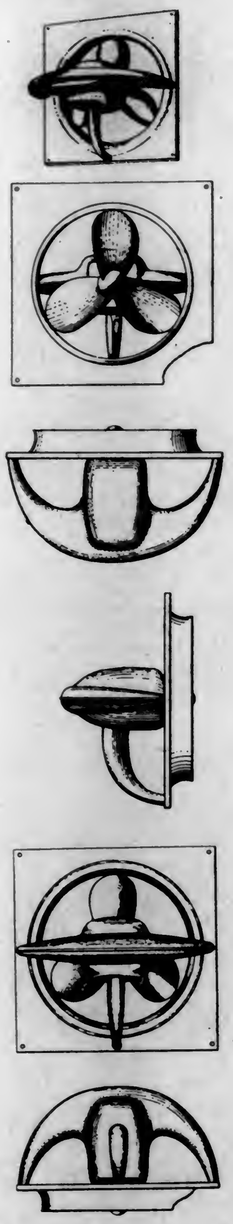
The ornamental design for a sink, as shown and described.

147,335
DESIGN FOR A FOG LAMP FOR AUTOMOBILES
George C. Knight, Detroit, Mich.
Application April 25, 1946, Serial No. 128,957
Term of patent 7 years
(Cl. D48—32)



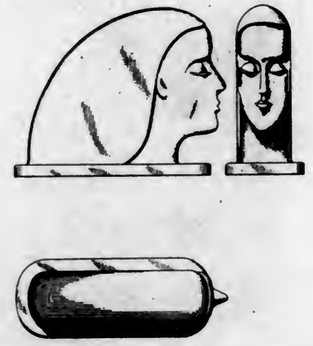
The ornamental design for a fog lamp for automobiles, as shown.

147,336
DESIGN FOR A VENTILATING FAN
John Brandt Koch, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application February 20, 1946, Serial No. 126,752
Term of patent 14 years
(Cl. D26—7)



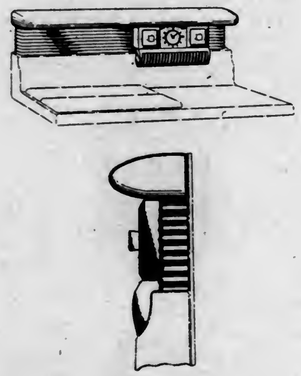
The ornamental design for a ventilating fan, substantially as shown.

147,337
DESIGN FOR A DECORATIVE COVER FOR BOTTLES
Franz Koenigsberger, New York, N. Y.
Application December 4, 1945, Serial No. 124,332
Term of patent 3½ years
(Cl. D58—11)



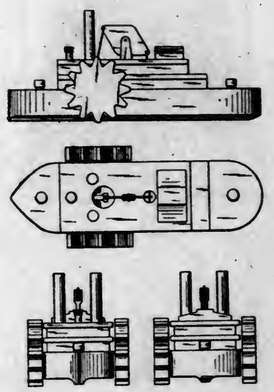
The ornamental design for a decorative cover for bottles, as shown.

147,338
DESIGN FOR A COMBINED RANGE TOP AND BACK GUARD ASSEMBLY
Ralph E. Kruck, Longmeadow, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 13, 1946, Serial No. 126,544
Term of patent 14 years
(Cl. D81—25)



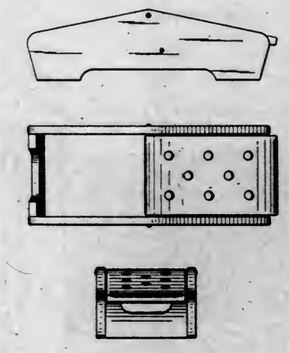
The ornamental design for a combined range top and back guard assembly, as shown and described.

147,339
DESIGN FOR A TOY STEAMBOAT
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. N. Y., a corporation of New York
Application March 14, 1946, Serial No. 127,518
Term of patent 3½ years
(Cl. D34—15)



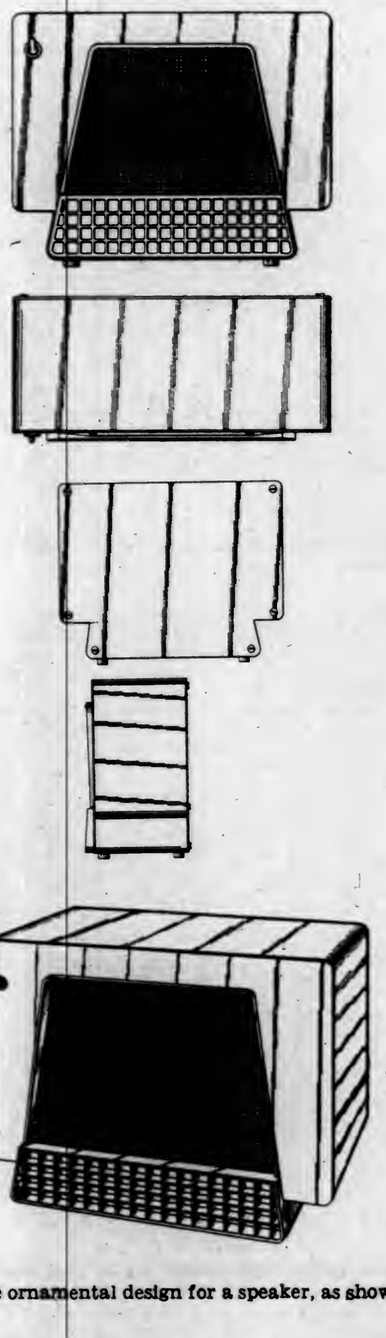
The ornamental design for a toy steamboat, as shown.

147,340
DESIGN FOR A PEG BOARD
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application May 27, 1946, Serial No. 130,097
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a peg board, as shown.

147,341
DESIGN FOR A SPEAKER
Richard S. Latham, Chicago, Ill., assignor to The Hallicrafters Co., a corporation of Illinois
Application November 30, 1945, Serial No. 124,240
Term of patent 14 years
(Cl. D26—14)



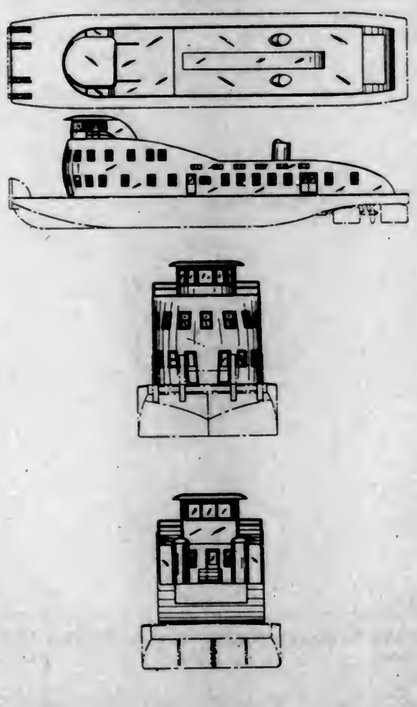
The ornamental design for a speaker, as shown.

147,342
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
John S. Madsen, New York, N. Y.
Application June 20, 1946, Serial No. 130,880
Term of patent 3½ years
(Cl. D92—26)



The ornamental design for a tablecloth or similar article, substantially as shown and described.

147,343
DESIGN FOR A TOWBOAT
Joseph D. McMichael, Jr., St. Louis, Mo., assignor to St. Louis Shipbuilding & Steel Co., St. Louis, Mo., a corporation of Missouri
Application November 2, 1945, Serial No. 123,419
Term of patent 14 years
(Cl. D71—1)



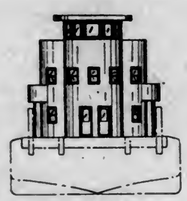
The ornamental design for a towboat, as shown and described.

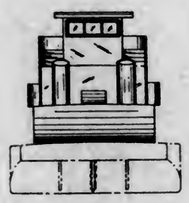
147,343—Continued

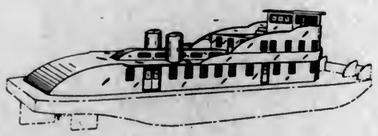


The ornamental design for a towboat, as shown and described.

147,344
DESIGN FOR A TOWBOAT
Joseph D. McMichael, Jr., St. Louis, Mo., assignor to St. Louis Shipbuilding & Steel Co., St. Louis, Mo., a corporation of Missouri
Application November 2, 1945, Serial No. 123,420
Term of patent 14 years
(Cl. D71—1)

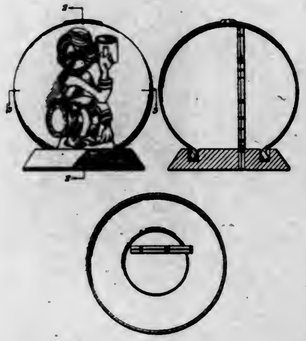






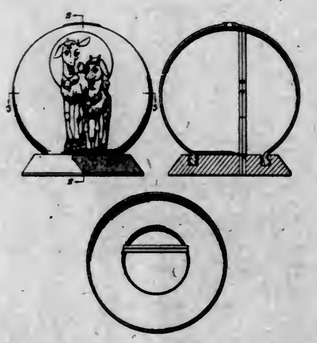
The ornamental design for a towboat, as shown and described.

147,345
DESIGN FOR A COIN BANK
Ralph Victor Moran, Bradford, Pa., assignor to Vic Moran, Bradford, Pa., a partnership composed of Marion Constance Moran, Elizabeth Merrill Moran, and Vic Moran
Application May 20, 1946, Serial No. 129,904
Term of patent 14 years
(Cl. D34—11)



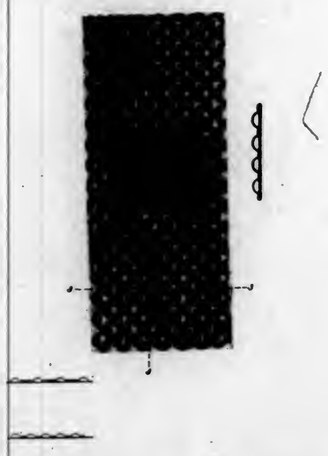
The ornamental design for a coin bank, as shown.

147,346
DESIGN FOR A COIN BANK
Ralph Victor Moran, Bradford, Pa., assignor to Vic Moran, Bradford, Pa., a partnership composed of Marion Constance Moran, Elizabeth Merrill Moran, and Vic Moran
Application May 20, 1946, Serial No. 129,905
Term of patent 14 years
(Cl. D34—11)



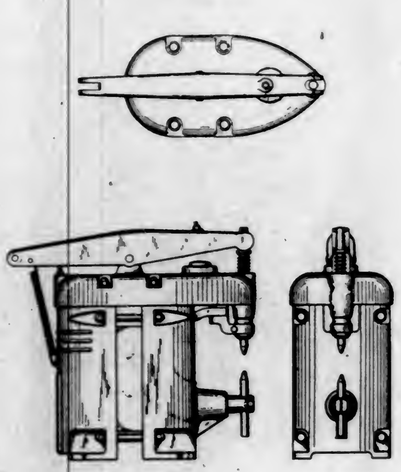
The ornamental design for a coin bank, as shown.

147,347
DESIGN FOR A PLASTIC FABRIC
Harry Morris, Chicago, Ill.
Application April 19, 1946, Serial No. 128,752
Term of patent 14 years
(Cl. D87—3)



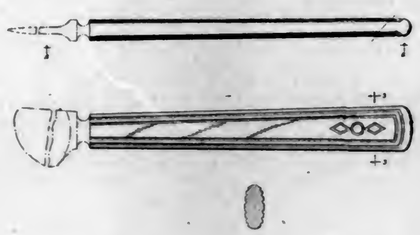
The ornamental design for a plastic fabric, substantially as shown.

147,348
DESIGN FOR A RESISTANCE WELDING MACHINE
Joseph J. Panik, Detroit, Mich., assignor to Banner Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 6, 1946, Serial No. 126,331
Term of patent 7 years
(Cl. D26—5)



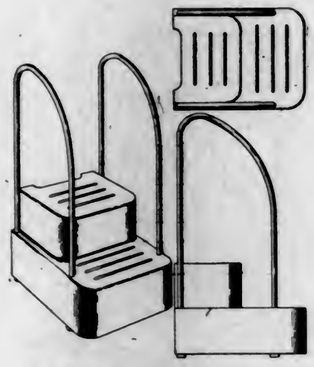
The ornamental design for a resistance welding machine, substantially as shown.

147,349
DESIGN FOR A KNIFE OR SIMILAR ARTICLE
Fred D. Patti, Chicago, Ill.
Application July 6, 1946, Serial No. 131,336
Term of patent 7 years
(Cl. D22—3)



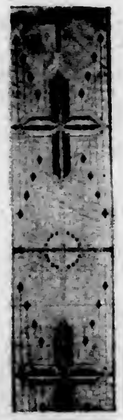
The ornamental design for a knife or similar article, substantially as shown and described.

147,350
DESIGN FOR AN INFANT'S STEP DEVICE
Edwin M. Raffman, Jr., Wichita, Kans.
Application December 8, 1945, Serial No. 124,534
Term of patent 7 years
(Cl. D15—8)



The ornamental design for an infant's step device, as shown.

147,351
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application November 9, 1946, Serial No. 134,649
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

147,352
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application November 9, 1946, Serial No. 134,650
Term of patent 7 years
(Cl. D3—32)



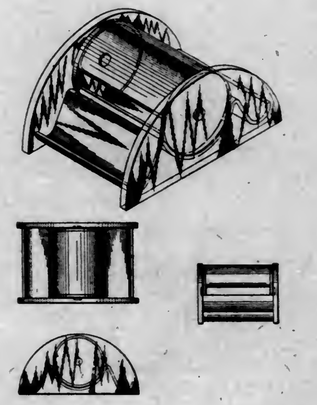
The ornamental design for an orphrey or similar article, substantially as shown.

147,353
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application November 9, 1946, Serial No. 134,651
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

147,354
DESIGN FOR A CIGARETTE DISPENSER
Isaac B. Sherr, Los Angeles, Calif.
Application April 8, 1946, Serial No. 128,399
Term of patent 3½ years
(Cl. D85—2)

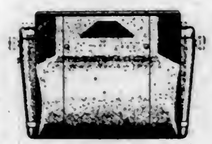


The ornamental design for a cigarette dispenser, substantially as shown.

147,355
DESIGN FOR A BOOKKEEPING MACHINE
Jan Streng, Mason, N. H., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 10, 1946, Serial No. 132,427
Term of patent 14 years
(Cl. D64—11)





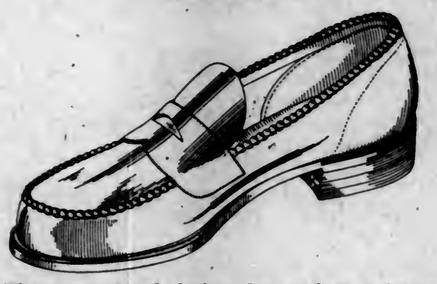






The ornamental design for a bookkeeping machine, substantially as shown and described.

147,356
DESIGN FOR A SHOE
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 7, 1946, Serial No. 132,323
Term of patent 3½ years
(Cl. D7—7)

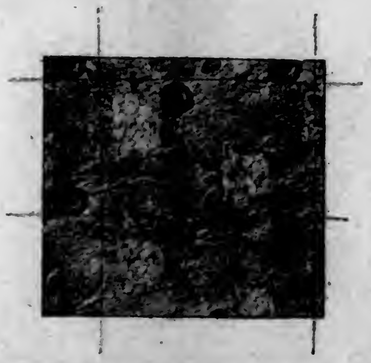


The ornamental design for a shoe, substantially as shown and described.

147,357
DESIGN FOR A LIGHTING FIXTURE
Frank W. Watkins, Cleveland, Ohio
Application January 18, 1946, Serial No. 125,717
Term of patent 3½ years
(Cl. D48—23)

The ornamental design for a lighting fixture, substantially as shown.

147,358
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application January 31, 1947, Serial No. 136,562
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Academy Award Products, Inc., New York, N. Y. Electric stoves, electric waffle irons, electric toasters, etc. Serial No. 500,348; Aug. 19. Class 21.

Alkalithia Company, The, Baltimore, Md. Antacids. Serial No. 508,087; Aug. 19. Class 6.

American Cyanamid Company, New York, N. Y. Ammonium nitrate. Serial No. 517,226; Aug. 19. Class 10.

American Distilling Company, The, Pekin, Ill. Gin, whiskey, rock and rye, etc. Serial No. 508,882; Aug. 19. Class 49.

American Oil Company, The, Baltimore, Md. Gasoline. Serial No. 513,372; Aug. 19. Class 15.

Anchor Shoe Polish Mfg. Co.: *See*—
Vassilatos, William T.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. Serial No. 502,106; Aug. 19. Class 42.

Archie Comic Publications, Inc., New York, N. Y. Magazines. Serial No. 508,884; Aug. 19. Class 38.

Associated Products, Inc., Chicago, Ill. Manicure scissors, nail files, cuticle pushers, etc. Serial No. 515,599; Aug. 19. Class 44.

Atkins & Durbrow, Inc., New York, N. Y. Fertilizer Serial No. 509,324; Aug. 19. Class 10.

Atlas Supply Company, Newark, N. J. Flexible fuel and oil lines. Serial No. 505,473; Aug. 19. Class 35.

Avon Products, Inc., New York, N. Y. Lipsticks, rouges, and nail polish. Serial No. 512,044; Aug. 19. Class 6.

B. V. D. Corporation, The, New York, N. Y. Swim trunks. Serial No. 513,606; Aug. 19. Class 39.

Barr Foods, Inc., Oakland, Calif. Corn chips. Serial No. 523,070; Aug. 19. Class 46.

Bassell, Albert, Inc., Ardsley, N. Y. Tooth paste. Serial No. 507,669; Aug. 19. Class 6.

Baxter, Gerald M., doing business as The Remagin Company, Baltimore, Md. Chemical spot removing compound. Serial No. 507,879; Aug. 19. Class 4.

Bay Chemical Co., Inc., The, Bay City, Mich. Liquid soap. Serial No. 508,019; Aug. 19. Class 4.

Beck, Arthur, Company, Chicago, Ill. Rodenticide. Serial No. 520,790; Aug. 19. Class 6.

Bee Chemical Company, Chicago, Ill. Corrosion preventive compositions. Serial No. 515,530; Aug. 19. Class 6.

Bellingham Manufacturing Co., Bellingham, Wash. Gasoline or oil operated portable electric generators. Serial No. 494,885; Aug. 19. Class 21.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial Nos. 508,259–61; Aug. 19. Class 6.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial No. 509,192; Aug. 19. Class 6.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial No. 509,194; Aug. 19. Class 6.

Botany Worsted Mills, Passaic, N. J. Lipsticks. Serial No. 509,332; Aug. 19. Class 6.

Brown & Marsh, Champaign, Ill. Plan drawings of model airplanes. Serial No. 506,462; Aug. 19. Class 38.

Brown Steel Tank Company, Minneapolis, Minn. Gas water heaters. Serial No. 19,799; Aug. 19. Class 34.

Buromin Company, The, Pittsburgh, Pa. Chemical compound. Serial No. 511,724; Aug. 19. Class 6.

Carstens, H. Goslar: *See*—
Carstens, Henry G.

Carstens, Henry G., doing business as H. Goslar Carstens, New York, N. Y. Medicinal preparation. Serial No. 511,453; Aug. 19. Class 6.

Cellusuede Products, Inc., Rockford, Ill. Flock made from rayon, cotton, and wool fibers. Serial No. 513,522; Aug. 19. Class 1.

Chamblis, Marian, Chicago, Ill. Scalp oil and massage. Serial No. 516,954; Aug. 19. Class 6.

Champion Bedding Company, Lynn, Mass. Mattresses, box springs, and studio couches. Serial No. 497,649; Aug. 19. Class 32.

Chance, Joseph, doing business as Douglas Manufacturing Company, Westmont Borough, Pa. Children's slips and panties. Serial No. 497,296; Aug. 19. Class 39.

Charmore Company, The, Paterson, N. J., and New York, N. Y. Fountain pens. Serial No. 512,381; Aug. 19. Class 37.

Chemical Specialties Company: *See*—
Shapiro, Harry.

Church & Dwight Co. Inc., New York, N. Y. Bicarbonate of soda and baking soda. Serial No. 517,703; Aug. 19. Class 6.

Cleveland Valve Company: *See*—
Rhodes, Albert.

Conlon Bros. Mfg. Co., Chicago, Ill. Laundry washing machines. Serial No. 516,114; Aug. 19. Class 24.

Consolidated Cosmetics, Chicago, Ill. Non-alcoholic non-cereal maltless beverages. Serial No. 509,921; Aug. 19. Class 45.

Consolidated Razor Blade Co., Inc., Jersey City, N. J. Razors. Serial No. 514,590; Aug. 19. Class 23.

Cramer Chemical Company, The, Gardener, Kans. Liquid germicide preparation. Serial No. 516,827; Aug. 19. Class 6.

Crown Overall Mfg. Co., The, doing business as Headlight Manufacturing Co., Cincinnati, Ohio. Overalls, trousers, jackets, etc. Serial No. 510,939; Aug. 19. Class 39.

Curtner Art Company: *See*—
Curtner, Harry R., Jr.

Curtner, Harry R., Jr., doing business as Curtner Art Company, Muncie, Ind. Letter paper, notepaper, blank paper, etc. Serial No. 503,712; Aug. 19. Class 37.

Cushman Overseas Co., assignor to Cushman Overseas Corporation, New York, N. Y. Two and three wheel motor scooters and motorcycles. Serial No. 511,009; Aug. 19. Class 19.

Cushman Overseas Corporation, assignee: *See*—
Cushman Overseas Co.

Dalva's Ltd. and C. Da Silva: *See*—
Da Silva, Clemente.

Da Silva, Clemente, doing business as Dalva's Ltd. and C. Da Silva, Vila Nova De Gaia (Oporto), Portugal. Spiritous liquors. Serial No. 476,240; Aug. 19. Class 49.

Day Chemical Company, Newark, N. J. External insect repellant. Serial No. 511,455; Aug. 19. Class 6.

Demoro, V.: *See*—
Demoro, Virginia.

Demoro, Virginia, doing business as V. Demoro, Riverside, N. Y. Skin lotion. Serial No. 508,896; Aug. 19. Class 6.

Deutsch, Ruth, New York, N. Y. Musical publication. Serial No. 466,830; Aug. 19. Class 38.

Dexter Chemical Corporation, New York, N. Y. Wetting agents, water soluble oils and softeners. Serial No. 518,279; Aug. 19. Class 6.

Dodge & Olcott, Inc., New York, N. Y. Insect repellent liquid and an insect repellent cream. Serial No. 511,320; Aug. 19. Class 6.

D'Rell Inc., Philadelphia, Pa. Shoes, boots, slippers, and sandals. Serial No. 509,206; Aug. 19. Class 39.

Duratex Corporation, Newark, N. J. Prophylactic membranous articles. Serial No. 523,378; Aug. 19. Class 44.

Duval, Germaine R., doing business as Parfums Volnay, Suresnes, France. Perfumes, toilet waters, rouge, etc. Serial No. 509,208; Aug. 19. Class 6.

Eagle & Phenix Mills, Columbus, Ga. Cotton suitings. Serial No. 514,694; Aug. 19. Class 42.

Eastern Light Company, The, Allentown, Pa. Propane bottled gas. Serial No. 512,491; Aug. 19. Class 6.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic film. Serial No. 511,384; Aug. 19. Class 26.

Elby Extract Company, Brooklyn, N. Y. Non-alcoholic cocktail syrups. Serial No. 495,659; Aug. 19. Class 49.

Engh, Casper H., doing business as Esco Manufacturing Co., Fargo, N. Dak. Auto jacks. Serial No. 501,444; Aug. 19. Class 23.

Enterprise Aluminum Company, The, Massillon, Ohio. Base metal cooking hollow ware. Serial No. 513,039; Aug. 19. Class 13.

Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Air and gas turbine power plants and components thereof, etc. Serial No. 487,609; Aug. 19. Class 23.

Esco Manufacturing Co.: *See*—
Engh, Casper H.

Evaporator Service & Supply Company: *See*—
Heal, James H.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils, colored pencils, copying pencils, etc. Serial Nos. 509,832–3; Aug. 19. Class 37.

Fairchild Advertising, Inc., New York, N. Y. Title for a page in a magazine. Serial No. 512,904; Aug. 19. Class 38.

Forster, Julius, New York, N. Y. Genuine, cultured, and simulated pearls. Serial No. 519,008; Aug. 19. Class 28.

Foster Bros. Mfg. Co., Inc., Baltimore, Md. Mattresses. Serial No. 513,820; Aug. 19. Class 32.

Fremont Products Company: *See*—
Gundlach, Paul J.

Frey, Clarence A., doing business as Freyson's Sales, Ottowa, Ohio. Cutlery. Serial No. 498,280; Aug. 19. Class 23.

Freyson's Sales: *See*—
Frey, Clarence A.

Fromm, Frank H., New York, N. Y. Canned fish. Serial No. 501,969; Aug. 19. Class 46.

Garrett & Company, Inc., Brooklyn, N. Y. Champagne and sparkling Burgundy. Serial No. 506,866; Aug. 19. Class 47.

Gates Rubber Company, The, Denver, Colo. Pneumatic tires, inner tubes, power transmission belts, etc. Serial No. 514,194; Aug. 19. Class 35.

General Motors Corporation, Detroit, Mich. Complete power transmission units. Serial No. 501,383; Aug. 19. Class 23.

Gould, Geo. H., Company, Louisville, Ky. Whiskey. Serial Nos. 510,507–8; Aug. 19. Class 49.

Gourielli, Inc., New York, N. Y. Perfume. Serial No. 519,649; Aug. 19. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Ammonia, laundry bleach, and liquid blue. Serial No. 511,016; Aug. 19. Class 6.

Greentree Products, Inc., New York, N. Y. Thin vinyl-type plastic film. Serial No. 490,657; Aug. 19. Class 42.

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Harmonicas, drums, banjos, etc. Serial No. 505,822; Aug. 19. Class 36.

Guckenheimer, Julius, doing business as Ronsard Perfumes, New York, N. Y. Perfumes and toilet water. Serial Nos. 497,241–2; Aug. 19. Class 6.

Gundlach, Paul J., doing business as Fremont Products Company, Cleveland, Ohio. Laxative. Serial No. 521,256; Aug. 19. Class 6.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. Serial No. 523,381; Aug. 19. Class 2.

Hart, Frederick, & Co., Inc., Poughkeepsie, N. Y. Electrical recording and reproducing apparatus. Serial No. 489,801; Aug. 19. Class 21.

Headlight Manufacturing Co.: *See*—
Crown Overall Mfg. Co., The.

Heal, James H., doing business as Heal's Densiti-Flo Company, San Francisco, Calif. Feed and brine treatment. Serial No. 502,579; Aug. 19. Class 6.

Heal, James H., doing business as Evaporating Service & Supply Company, San Francisco, Calif. Feed and brine treatment. Serial No. 506,032; Aug. 19. Class 6.

Heal's Densiti-Flo Company: *See*—
Heal, James H.

Heavner, Earl R., doing business as Pioneer Tool & Engineering Company, Dayton, Ohio. Metal working tools, dies, jigs, fixtures, molds, etc. Serial No. 481,991; Aug. 19. Class 23.

Hermal Shoe Co., Inc., Everett, Mass. Shoes and slippers. Serial No. 514,822; Aug. 19. Class 39.

Holub Industries, Inc., Sycamore, Ill. Bakelite wire connectors; porcelain wire connectors; fuse clip clamps, etc. Serial No. 507,635; Aug. 19. Class 21.

Holyoke Belting Company, Holyoke, Mass. Leather belting. Serial No. 495,779; Aug. 19. Class 35.

Huber, J. M., Corporation, Locust, N. J., and New York, N. Y. Chemical compound. Serial No. 520,810; Aug. 19. Class 6.

Huntington Laboratories, Inc., Huntington, Ind. Perfumed disinfectant and hospital germicide. Serial No. 520,702; Aug. 19. Class 6.

Hyman, Julius, & Company, Denver, Colo. Insecticides. Serial No. 520,812; Aug. 19. Class 6.

Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Pharmaceutical preparations. Serial No. 518,532; Aug. 19. Class 6.

Jacquin, Charles, et Cie, Inc., Philadelphia, Pa. Brandy, gin, rum, etc. Serial No. 508,464; Aug. 19. Class 49.

Jefferson Island Salt Company, Louisville, Ky. Salt dissolvers. Serial No. 509,660; Aug. 19. Class 23.

Johns-Manville Corporation, New York, N. Y. Lubricated vegetable packing for mechanical equipment. Serial No. 512,838; Aug. 19. Class 35.

Jones, Eynon, doing business as Nutritional Products Co., Portland, Oreg. Combination germicide, insecticide, and deodorant. Serial No. 520,509; Aug. 19. Class 6.

Josanna, Inc., New York, N. Y. Ornamental jewelry, not including watches. Serial No. 514,608; Aug. 19. Class 28.

Kalamazoo Vegetable Parchment Company, Parchment, Mich. Paper wash cloths. Serial No. 512,178; Aug. 19. Class 37.

Kirk, C. F., Company, New York, N. Y. Sterile solution. Serial No. 511,167; Aug. 19. Class 6.

Kress, S. H., and Company, New York, N. Y. Powder puffs, nail brushes, bath brushes, and eyebrow brushes. Serial No. 505,754; Aug. 19. Class 29.

Lactona Incorporated, St. Paul, Minn. Hair brushes and hair brush handles. Serial Nos. 518,409–11; Aug. 19. Class 29.

Lactona Incorporated, St. Paul, Minn. Hair brushes and hair brush handles. Serial Nos. 518,413–15; Aug. 19. Class 29.

Lactona Incorporated, St. Paul, Minn. Hair brushes and hair brush handles. Serial No. 518,417; Aug. 19. Class 29.

Lakeside Laboratories, Inc., Milwaukee, Wis. Preparation of gonadotropin hormone. Serial No. 520,221; Aug. 19. Class 6.

Lallemand, E. A., & Son, Nashville, Tenn. Toy rubber stamp set. Serial No. 510,960; Aug. 19. Class 22.

Lanolin Company of America: *See*—
Rose, Rodney S.

Les Cisterciennes Reformees, St. Romuald D'Etchemin, Canada. Chocolate candy bars. Serial No. 498,530; Aug. 19. Class 46.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. Serial No. 521,582; Aug. 19. Class 2.

Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. Serial No. 523,191; Aug. 19. Class 2.

Levy, S. Harold, Inc., New York, N. Y. Apparel for children and girls. Serial No. 503,655; Aug. 19. Class 39.

Life Time Products: *See*—
Morse, Clarence W.

Lilly, Eli, and Company, Indianapolis, Ind. Products containing a combination of measured units of vitamins B complex and C. Serial No. 502,381; Aug. 19. Class 6.

Lion Oil Company, El Dorado, Ark. Fertilizers. Serial No. 512,185; Aug. 19. Class 10.

Logansport Distilling Company, Inc., Philadelphia, Pa. Whiskey. Serial No. 505,758; Aug. 19. Class 49.

Lombard Governor Corporation, Ashland, Mass. Variable speed transmission and variable speed reducing drives; speed responsive mechanical governors, etc. Serial No. 483,625; Aug. 19. Class 23.

Macy, R. H., & Co., Inc., New York, N. Y. Safety-razor blades. Serial No. 483,576; Aug. 19. Class 23.

McCoy, Jones & Company, Inc., Chicago, Ill. Thin, transparent, or translucent plastic film in sheet form. Serial No. 466,654; Aug. 19. Class 42.

Meltonian, E. Brown, & Son, Limited, London, England. Preparations for cleaning, dressing, preserving, and polishing. Serial No. 507,989; Aug. 19. Class 4.

Midwest Mfg. Company, Galesburg, Ill. Steel kitchen cabinets. Serial No. 513,574; Aug. 19. Class 32.

Mierson, Augustus, doing business as Mierson Products Company, San Francisco, Calif. Sanitary napkin disposal cans, disposal cans for waste, wastepaper baskets, etc. Serial No. 489,976; Aug. 19. Class 2.

Mierson Products Company: *See*—
Mierson, Augustus.

Mill Creek Products, Kansas City, Mo. Insecticides. Serial No. 518,771; Aug. 19. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 519,483; Aug. 19. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 520,760; Aug. 19. Class 6.

Morse, Clarence W., doing business as Life Time Products, Los Angeles, Calif. Venetian blind slats. Serial No. 513,895; Aug. 19. Class 32.

Myers, P. R., & Co., New York, N. Y. Cigars. Serial No. 511,101; Aug. 19. Class 17.

Nagle, James M., Provo, Utah. Cream filled dough pastry. Serial No. 515,193; Aug. 19. Class 46.

National Agrol Company, Washington, D. C. Medicinal chewing gum. Serial No. 508,235; Aug. 19. Class 6.

Nehi Corporation, Columbus, Ga. Non-alcoholic, maltless, non-fruit-juice beverage. Serial No. 509,592; Aug. 19. Class 45.

Nelson Tombacher Co., New York, N. Y. Wall fixtures and portable fixtures for supporting electric germicidal lamps. Serial No. 484,581; Aug. 19. Class 21.

Neuhoff, Max M., New York, N. Y. Fountain pens. Serial No. 512,690; Aug. 19. Class 37.

Newark Packing Company, Inc., Newark, N. J. Nut topping for desserts and cakes. Serial No. 494,919; Aug. 19. Class 46.

New York Grande Maison de Blanc Corporation, The, New York, N. Y. Perfume. Serial No. 520,228; Aug. 19. Class 6.

Noramex Company, assignor to Noramex Company, Inc., New York, N. Y. Cream shampoo. Serial No. 511,233; Aug. 19. Class 6.

Noramex Company, assignor to Noramex Company, Inc., New York, N. Y. Brilliantine. Serial No. 511,234; Aug. 19. Class 6.

Noramex Company, assignor to Noramex Company, Inc., New York, N. Y. Cough syrup. Serial No. 511,235; Aug. 19. Class 6.

Noramex Company, Inc., assignee: *See*—
Noramex Company.

North American Products Company, Inc., Wayne, Mich. Automatic hand electric irons. Serial No. 515,386; Aug. 19. Class 21.

Novelte Papeteries, Inc., Colorado Springs, Colo. Stationery. Serial No. 513,195; Aug. 19. Class 37.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetic material. Serial No. 510,608; Aug. 19. Class 6.

Nutritional Products Co.: *See*—
Jones, Eynon.

Nye-Wait Company, Inc., Auburn, N. Y. Rugs and carpets. Serial No. 515,128; Aug. 19. Class 42.

Parfums Verchere (Parfums Jerome) Société à Responsabilité Limitée, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 511,758; Aug. 19. Class 6.

Parfums Volnay: *See*—
Duval, Germaine R.

Parkin, William M., Co., The, Pittsburgh, Pa. Organic compound, or wetting agent, liquid and dry. Serial No. 520,523; Aug. 19. Class 6.

Patch, E. L., Company, The, Stoneham, Mass. Ointment. Serial No. 518,361; Aug. 19. Class 6.

Patch, E. L., Company, The, Stoneham, Mass. Ointment. Serial No. 518,362; Aug. 19. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 518,032; Aug. 19. Class 6.

Pfizer, Chas., & Co., Inc., New York, N. Y. Mixture of ascorbic acid and citrus acid. Serial No. 520,860; Aug. 19. Class 6.

Physicians Supply Company, The: *See*—
Steube, John W.

Picot Laboratories, Inc., Wilmington, Del., and New York, N. Y. Bicarbonate of soda, laxatives, diuretics, etc. Serial No. 510,535; Aug. 19. Class 6.

Pioneer Suspender Company, Philadelphia, Pa. Cigarette cases. Serial No. 511,288; Aug. 19. Class 8.

Pioneer Tool & Engineering Company: *See*—
Heavner, Earl R.

Plaswood Corporation, The, Detroit, Mich. Oil filter cartridges. Serial No. 509,167; Aug. 19. Class 23.

Polacheck, Harold L., New York, N. Y. After-shaving lotion, cologne refresher, and hand and foot lotion. Serial No. 497,039; Aug. 19. Class 6.

Prichard & Constance (Amami) Inc., Bloomsfield, N. J. Pure henna, henna packs, henna tints, and henna rinses. Serial No. 507,843; Aug. 19. Class 6.

Professional Drugs, Inc., New York, N. Y. Antipruritic, analgesic and astringent ointment. Serial No. 520,468; Aug. 19. Class 6.

Quality Products Co., Inc., New York, N. Y. Perfumed sachet in powder form, perfume, and cologne. Serial No. 507,217; Aug. 19. Class 6.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Steel-forged and molded plastic casters. Serial No. 495,824; Aug. 19. Class 19.

Rapinwax Paper Company, Minneapolis, Minn. Transparent wrapping paper. Serial No. 512,749; Aug. 19. Class 37.

Read Machinery Company, Inc., York, Pa. Equipment used in handling, treating or processing materials and products of the bakery and chemical and industrial processing industries. Serial No. 495,507; Aug. 19. Class 23.

Remagin Company, The: *See*—
Baxter, Gerald M.

Revere Silversmiths, Inc., Brooklyn, N. Y. Sterling silver hollow-ware and flatware, etc. Serial No. 519,601; Aug. 19. Class 28.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipsticks, and rouge. Serial No. 508,128; Aug. 19. Class 6.

Rhodes, Albert, doing business as Cleveland Valve Company, Cleveland, Ohio. Valves, faucets, and parts therefor. Serial No. 510,541; Aug. 19. Class 13.

Robbins & Myers, Inc., Springfield, Ohio. Electric motors. Serial No. 495,909; Aug. 19. Class 21.

Roberts, Francis T., Detroit, Mich. General purpose gravity syringe. Serial No. 522,710; Aug. 19. Class 44.

Ronsard Perfumers: *See*—
Guckenheimer, Julius.

Rose, Rodney S., doing business as Lanolin Company of America, Los Angeles, Calif. Cream hair dressing. Serial No. 512,020; Aug. 19. Class 6.

Rosenblum, Janet, Brooklyn, N. Y. Swim suits, bathing hats, rain hats, etc. Serial No. 512,290; Aug. 19. Class 39.

Royce Chemical Company, Carlton Hill, N. J. Wetting out agent used in textile processing. Serial No. 513,536; Aug. 19. Class 6.

S-P Laboratories: *See*—
Superior Products Company.

Salerno-Megowen Biscuit Company, Chicago, Ill. Cookies. Serial No. 511,762; Aug. 19. Class 46.

Saranco Inc., New York, N. Y. Glass bowls. Serial No. 511,648; Aug. 19. Class 33.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 514,625; Aug. 19. Class 39.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. Serial No. 514,626; Aug. 19. Class 32.

Shapiro, Harry, doing business as Chemical Specialties Company, New York, N. Y. Disinfectant. Serial No. 497,975; Aug. 19. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Allergenic extract, Rocky Mountain pollen mixture; and antibiotic, penicillin; etc. Serial No. 469,514; Aug. 19. Class 6.

Shellmar Products Company, assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Pouches, bags, and open-ended tubes of low water vapor permeability packaging materials. Serial No. 491,679; Aug. 19. Class 2.

Shellmar Products Corporation, assignee: *See*—
Shellmar Products Company.

Silver Creek Precision Corporation, Silver Creek, N. Y. Outboard motor. Serial No. 512,623; Aug. 19. Class 23.

Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. Serial No. 503,605; Aug. 19. Class 46.

Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruits. Serial No. 515,914; Aug. 19. Class 46.

Stanley Industries: *See*—
Stanley, J. A.

Stanley, J. A., trading as Stanley Industries, Seattle, Wash. Rodenticides. Serial No. 500,258; Aug. 19. Class 6.

Startex Mills, Tucapau, S. C. Towels. Serial No. 489,364; Aug. 19. Class 42.

Startex Mills, Tucapau, S. C. Towels. Serial No. 489,366; Aug. 19. Class 42.

Stengle, George E., Jacksonville, Fla. Dairy products. Serial No. 486,595; Aug. 19. Class 46.

Stern & Friedman, New York, N. Y. Costume jewelry. Serial No. 504,076; Aug. 19. Class 28.

Steube, John W., doing business as The Physicians Supply Company, Cincinnati, Ohio. Soap. Serial No. 506,481; Aug. 19. Class 4.

Summers, Charles G., Jr., Inc., New Freedom, Pa. Canned cut wax beans, canned white sweet corn, canned lima beans, etc. Serial No. 515,467; Aug. 19. Class 46.

Sun Oil Company, Philadelphia, Pa. Plasticizer for rubber. Serial No. 518,856; Aug. 19. Class 6.

Superior Products Company, doing business under the name S-P Laboratories, Dallas, Tex. Cosmetics and toilet preparations. Serial No. 472,128; Aug. 19. Class 6.

Takaki, Ralph N., doing business as Takaki Sanyodo, Honolulu, T. H. Medicine for the relief of hysteria; irritability, muscular pain, etc. Serial No. 473,348; Aug. 19. Class 6.

Takaki Sanyodo: *See*—
Takaki, Ralph N.

Toren, San Francisco, Calif. Greeting cards and photographic portraits. Serial No. 510,813; Aug. 19. Class 38.

Tracy, M. E., Co., The, Memphis, Tenn. Tablets for asthma and hay fever. Serial No. 521,488; Aug. 19. Class 6.

Traum, David, Company, Incorporated, New York, N. Y. Ironing boards, ironing board covers, and pressing mitts. Serial No. 512,052; Aug. 19. Class 24.

United Powder Puff Company, Inc., New Rochelle, N. Y. Powder puffs. Serial No. 515,471; Aug. 19. Class 29.

U. S. Fiber & Plastics Corp., Stirling, N. J. Tobacco pouches. Serial No. 510,135; Aug. 19. Class 8.

United States Time Corporation, The, Middlebury, Conn. Watches and clocks, and parts therefor. Serial No. 517,439; Aug. 19. Class 27.

Universal Overall Co., Chicago, Ill. Overalls. Serial No. 523,870; Aug. 19. Class 39.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 511,773; Aug. 19. Class 6.

V. P. Winery: *See*—
Vine Products, Ltd.

Vassilatos, William T., doing business as Anchor Shoe Polish Mfg. Co., Chicago, Ill. Shoe dye. Serial No. 511,656; Aug. 19. Class 6.

Ventura-Assael and Company, New York, N. Y. Watches. Serial No. 518,117; Aug. 19. Class 27.

Victor Research Laboratories, New York, N. Y. Photographic timer. Serial No. 510,369; Aug. 19. Class 26.

Victory Packing Company, Los Angeles, Calif. Canned dog and cat food. Serial No. 515,004; Aug. 19. Class 46.

Vine, Harry, doing business as Vineline, Los Angeles, Calif. Men's sport shirts and neckties. Serial No. 514,315; Aug. 19. Class 39.

Vine Products, Ltd., doing business as V. P. Winery, Kingston-on-Thames, England. Wines. Serial No. 510,288; Aug. 19. Class 47.

Vineline: *See*—
Vine, Harry.

Vitarama Corporation, The, Huntington Station, N. Y. Panoramic anti-aircraft gunnery training units. Serial No. 514,155; Aug. 19. Class 26.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Tablets containing niacinamide and ascorbic acid. Serial No. 510,986; Aug. 19. Class 6.

Watchmoket Optical Co. Inc., Providence, R. I. Hole-threading taps. Serial No. 502,778; Aug. 19. Class 23.

Weitz, S., & Company, Inc., Cleveland, Ohio. Topcoats and overcoats. Serial No. 524,093; Aug. 19. Class 39.

Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature alloys. Serial No. 517,942; Aug. 19. Class 14.

Westmoor Manufacturing Co., Minneapolis, Minn. Men's sport shirts, dress shirts, jackets, etc. Serial No. 509,062; Aug. 19. Class 39.
Winthrop Chemical Company, Inc., New York, N. Y. Preparation for use as a cough sedative and expectorant. Serial No. 519,789; Aug. 19. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Decongestant and vasoconstrictor preparation. Serial No. 520,779; Aug. 19. Class 6.
Wonsetler Company: *See*—
Wonsetler, Lloyd A.
Wonsetler, Lloyd A., doing business as Wonsetler Company, Columbiana, Ohio. Machines for drying and elevating hay, grain, tobacco, and the like. Serial No. 512,759; Aug. 19. Class 23.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Insecticide. Serial No. 519,790; Aug. 19. Class 6.
Wyandotte Chemical Corporation, Wyandotte, Mich. Alkaline carbonate composition. Serial No. 507,871; Aug. 19. Class 6.
Zenith Radio Corporation, Chicago, Ill. Electric meters. Serial No. 504,018; Aug. 19. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abrams, M. M., Baltimore, Md. Ladies' hosiery. 432,183; Aug. 19. Class 39.
Ace Engineering and Machine Co., Inc., Philadelphia, Pa. Electric space heaters. 432,113; Aug. 19; Serial No. 510,921; published May 27, 1947. Class 21.
Acme Cotton Products Co., Inc., New York, N. Y. Sanitary napkins. 229,141; renewed June 21, 1947. O. G. Aug. 19. Class 44.
Acme Visible Records, Inc., Chicago, Ill. Visible record cabinets. 432,100; Aug. 19; Serial No. 506,567; published May 13, 1947. Class 32.
Acme White Lead & Color Works, Hamtramck, to Acme White Lead & Co., Detroit, Mich. Paint enamels, paint and varnish thinners, and lacquers. 225,592; renewed Mar. 22, 1947. O. G. Aug. 19. Class 16.
Acme White Lead & Co.: *See*—
Acme White Lead & Color Works.
Acorn Insulated Wire Company, Inc., Brooklyn, N. Y. Insulated electric wires or conductors. 432,064; Aug. 19; Serial No. 492,881; published May 27, 1947. Class 21.
Albers Packing Company, Riverside, Calif., to Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Canned olives. 229,486; renewed June 28, 1947. O. G. Aug. 19. Class 46.
Allen-Bradley Company, Milwaukee, Wis. Apparatus for the control of electric energy. 432,065; Aug. 19; Serial No. 494,644; published May 13, 1947. Class 21.
American Agricultural Chemical Company, The: *See*—
Ashepoo Fertilizer Company.
Virginia-Carolina Chemical Company.
American Bemberg Corporation, New York, N. Y. Artificial silk in thread and yarn form. 222,453; renewed Jan. 4, 1947. O. G. Aug. 19. Class 43.
American Home Foods, Inc.: *See*—
Duff, P., & Sons.
American Metalcraft Corporation, Detroit, Mich. Toy scooters. 432,128; Aug. 19; Serial No. 515,358; published May 6, 1947. Class 22.
American Milk Product Co., to Union Condensed Milk Company, Chicago, Ill. Evaporated milk. 62,894; renewed May 28, 1947. O. G. Aug. 19. Class 46.
American Potash & Chemical Corporation, New York, N. Y. Borax and boric acid. 230,161; renewed July 12, 1947. O. G. Aug. 19. Class 6.
American Silver Company, The, Bristol, to The International Silver Company, Meriden, Conn. Solid nickel, solid silver, and silver-plated spoons, forks, sugar-shells, etc. 60,593; re-renewed Feb. 12, 1947. O. G. Aug. 19. Classes 23 and 28.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton and thread. 62,948; re-renewed June 4, 1947. O. G. Aug. 19. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, thread, and sewing-cotton. 63,137–9; re-renewed June 11, 1947. O. G. Aug. 19. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, thread and sewing-cotton. 63,208; re-renewed June 11, 1947. O. G. Aug. 19. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-silk, and thread. 63,632; re-renewed July 2, 1947. O. G. Aug. 19. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-silk, and thread. 63,634; re-renewed July 2, 1947. O. G. Aug. 19. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-silk, and thread. 63,636–7; re-renewed July 2, 1947. O. G. Aug. 19. Class 43.
American Washboard Company, The, Cleveland, Ohio, to National Washboard Company, Chicago, Ill. Washboards. 62,794; re-renewed May 28, 1947. O. G. Aug. 19. Class 24.
Anchor Cap & Closure Corporation, Long Island City, N. Y., to Anchor Hocking Glass Corporation, Lancaster, Ohio. Closure caps. 228,771; renewed June 7, 1947. O. G. Aug. 19. Class 50.
Anchor Hocking Glass Corporation: *See*—
Anchor Cap & Closure Corporation.
Antonacci, Antonio, doing business as Antonacci Wine Co., Hoboken, N. J. Wines. 432,150; Aug. 19. Class 47.
Antonacci Wine Co.: *See*—
Antonacci, Antonio.
Antrol Laboratories, Inc., Los Angeles, Calif., to Boyle-Midway Inc., New York, N. Y. Insecticides. 225,488; renewed Mar. 22, 1947. O. G. Aug. 19. Class 6.
Archer, A. W., Co. Inc., New York, N. Y. Yarn and machine thread. 229,234; renewed June 21, 1947. O. G. Aug. 19. Class 43.
Arco Company, The, to The Arco Company, Cleveland, Ohio. Cement. 227,551; renewed May 10, 1947. O. G. Aug. 19. Class 12.
Arco Company, The, to The Arco Company, Cleveland, Ohio. Lacquers. 229,122; renewed June 21, 1947. O. G. Aug. 19. Class 16.
Arms, Leland J., San Francisco, Calif. Sound recordings of the magnetized wire type. 432,149; Aug. 19. Class 21.
Aron, J., & Company, Inc., New Orleans, La. Green coffee. 223,704; renewed Feb. 8, 1947. O. G. Aug. 19. Class 46.
Aron, J., & Company, Inc., New Orleans, La. Green coffee. 226,080; renewed Mar. 29, 1947. O. G. Aug. 19. Class 46.
Art & Sign Brush Manufacturing Corporation, Long Island City, N. Y. Paint brushes. 432,166; Aug. 19. Class 29.
Asbestos Manufacturing Co., Huntington, Ind. Asbestos brake linings, asbestos brake blocks, asbestos clutch facings, etc. 227,361; renewed May 3, 1947. O. G. Aug. 19. Class 35.
Aschenbach & Miller, Inc., Philadelphia, Pa. Salve. 59,552; renewed Jan. 8, 1947. O. G. Aug. 19. Class 6.
Ashepoo Fertilizer Company, Charleston, S. C., to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 61,504; re-renewed Mar. 26, 1947. O. G. Aug. 19. Class 10.
Associated Merchandising Corporation. Electric irons. 432,115; Aug. 19; Serial No. 511,856; published May 27, 1947. Class 21.
Atlantic Refining Company, The: *See*—
Atlantic Refining Company.
Atlantic Refining Company, Franklin and Philadelphia, to The Atlantic Refining Company, Philadelphia, Pa. Lubricating-oils. 61,283; re-renewed Mar. 12, 1947. O. G. Aug. 19. Class 15.
Automatic Metal Products Corporation, Brooklyn, N. Y. Frictionally operated pyrophoric cigar lighters. 432,080; Aug. 19; Serial No. 497,693; published May 13, 1947. Class 34.
Babcock & Wilcox Company, The, New York, N. Y. Refractory concrete. 432,130; Aug. 19; Serial No. 516,525; published May 13, 1947. Class 12.
Baby Craft Carriage Co.: *See*—
Brodsky, Irving.
Barney & Gegenheimer, New York, N. Y., to R. R. Donnelley & Sons Company, Chicago, Ill. Printing equipment. 225,937; renewed Mar. 29, 1947. O. G. Aug. 19. Class 23.
Bath, John, & Company, Inc., Worcester, Mass. Taps, die blocks, hobs, thread-rolling dies, etc. 226,623; renewed Apr. 12, 1947. O. G. Aug. 19. Class 23.
Battle, John R., doing business as Industrial Oil Equipment Co., Philadelphia, Pa., to Gray Company, Inc., Minneapolis, Minn. Lubricators. 222,925; renewed Jan. 11, 1947. O. G. Aug. 19. Class 23.
Bazley, Ernest S., doing business as The Bazley Market, to Bazley and Junedale Markets Co., Chicago, Ill. Butter. 224,600; renewed Mar. 1, 1947. O. G. Aug. 19. Class 46.
Bazley, Ernest S., doing business as The Bazley Market, to Bazley and Junedale Markets Co., Chicago, Ill. Bacon. 229,211; renewed June 21, 1947. O. G. Aug. 19. Class 46.
Bazley and Junedale Markets Co.: *See*—
Bazley, Ernest S.
Bazley Market, The: *See*—
Bazley, Ernest S.
Beau Claire Fashions, Inc.: *See*—
Frohman & Altman, Inc.
Beck, Milton G., Brooklyn, N. Y. Catalytic cigarette lighters. 432,098; Aug. 19; Serial No. 506,086; published Feb. 25, 1947. Class 34.
Beckett, R. W., Engineering Company, Elyria, Ohio. Domestic and industrial oil burners. 432,117; Aug. 19; Serial No. 512,230; published May 13, 1947. Class 34.

Bendix Aviation Corporation, Teterboro, N. J. Valve mechanisms. 432,056; Aug. 19; Serial No. 477,053; published Mar. 11, 1947. Class 13.
Best Foods, Inc., The: *See*—
Force Food Company, The.
H-O Hornbys Oatmeal Company, The.
Best Manufacturing & Equipment Company, Wichita, Kans. Lawn mowers. 432,110; Aug. 19; Serial No. 509,690; published May 6, 1947. Class 23.
Bickman Gall Cure Company, to The Bickmore Company, Old Town, Maine. Salves. 30,113; re-renewed June 1, 1947. O. G. Aug. 19. Class 6.
Bickmore Company, The: *See*—
Bickman Gall Cure Company.
Bliss, Alonzo O., Medical Company, The, Washington, D. C. Internal herb remedy. 229,533; renewed June 28, 1947. O. G. Aug. 19. Class 6.
Blumenfield, Lewis, doing business as LaSalle Neckwear Company, Philadelphia, Pa. Neckties and scarfs. 432,172; Aug. 19. Class 39.
Bogen, David, Co., Inc., New York, N. Y. Sound equipment. 432,144; Aug. 19. Class 21.
Borck & Stevens Incorporated, Bridgeport, Conn. Bread, coffee cakes, crullers, etc. 229,102; renewed June 21, 1947. O. G. Aug. 19. Class 46.
Borgfeldt, Geo., & Co., to Geo. Borgfeldt Corporation, New York, N. Y. China for domestic and household purposes. 63,524; re-renewed June 25, 1947. O. G. Aug. 19. Class 30.
Borgfeldt, Geo., Corporation: *See*—
Borgfeldt, Geo., & Co.
Bourjois, Inc., New York, N. Y. Toilet soap. 229,493; renewed June 28, 1947. O. G. Aug. 19. Class 4.
Bowen, Mollie: *See*—
McNamara, Eunice W.
Boyle-Midway Inc.: *See*—
Antrol Laboratories, Inc.
Cole, G. W., Company.
Brodsky, Irving, doing business as Baby Craft Carriage Co., Brooklyn, N. Y. Doll carriages. 432,079; Aug. 19; Serial No. 497,526; published May 6, 1947. Class 22.
Brown, Farmer, Inc.: *See*—
Brown, Raymond T.
Brown, R. T., Cannery: *See*—
Brown, Raymond T.
Brown, Raymond T., doing business as R. T. Brown Cannery, Springfield, Mass., assignor to Farmer Brown Inc. Mixture of whole, sliced, and chopped fresh unfrozen vegetables packaged in containers. 432,143; Aug. 19. Class 46.
Brown Shoe Company, Inc., St. Louis, Mo. Shoes. 229,673; renewed July 5, 1947. O. G. Aug. 19. Class 39.
Brown's, Jim, Toy Company, Akron, Ohio. Metal fixture. 432,089; Aug. 19; Serial No. 503,421; published May 27, 1947. Class 13.
Buckland Knitwear, Inc., New York, N. Y. Sweaters. 432,162; Aug. 19. Class 39.
Calidad Robes, Inc., Los Angeles, Calif. Lounging robes, bath robes, and beach robes. 432,148; Aug. 19. Class 39.
Capstan Glass Company, Connellsville, to Anchor Hocking Glass Corporation, Lancaster, Pa. Tumblers, glasses, glass bottles, etc. 228,353; renewed May 31, 1947. O. G. Aug. 19. Class 33.
Carson Pirie Scott & Co., Chicago, Ill., to Ely & Walker Dry Goods Company, St. Louis, Mo. Broadcloth of cotton, silk, cotton and silk, wool and cotton and wool in the piece. 222,546; renewed Jan. 4, 1947. O. G. Aug. 19. Class 42.
Carter, Jane, Inc., New York, N. Y. Blouses for girls. 432,086; Aug. 19; Serial No. 501,713; published Mar. 4, 1947. Class 39.
Casey, Matthew A., Montclair, N. J. Brackets. 432,097; Aug. 19; Serial No. 505,949; published May 27, 1947. Class 13.
Cathcart, A. H., & James S. Thompson Company, St. Paul, Minn., to Kay Daumit, Inc., Chicago, Ill. Shampoo. 229,678; renewed July 5, 1947. O. G. Aug. 19. Class 6.
Cavalier Corporation, Chattanooga, Tenn. Combination desk and chest. 432,104; Aug. 19; Serial No. 507,234; published May 27, 1947. Class 32.
Cellas', Inc., to Peter C. Sozzie, New York, N. Y. Tomato sauce, macaroni and olive oil. 229,937; renewed July 12, 1947. O. G. Aug. 19. Class 46.
Century Furs, New York, N. Y. Fur coats and fur jackets for ladies and misses. 432,134; Aug. 19. Class 39.
Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Lawn sprinklers. 432,058; Aug. 19; Serial No. 488,192; published Apr. 29, 1947. Class 13.
Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Receptacles for household use. 432,059; Aug. 19; Serial No. 488,198; published Apr. 29, 1947. Class 13.
Chula Vista Citrus Association, The: *See*—
Sweetwater Fruit Company.
Clark, Elizabeth G., New York, N. Y. Eye cream, cleansing cream, tissue cream, and skin lotion. 432,152; Aug. 19. Class 6.
Cohen, Goldman & Co. Inc., New York, N. Y. Men's, boys', and children's outer garments. 228,314; renewed May 31, 1947. O. G. Aug. 19. Class 39.
Cohn & Rosenberger, Inc., to Coro, Inc., New York, N. Y. Pearls, pearl necklaces, brooches, etc. 228,716; renewed June 7, 1947. O. G. Aug. 19. Class 28.
Cole, G. W., Company, Rahway, N. J., and New York, N. Y., to Boyle-Midway Inc, New York, N. Y. Oil. 61,545–6; re-renewed Mar. 26, 1947. O. G. Aug. 19. Class 15.
Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 63,219; re-renewed June 11, 1947. O. G. Aug. 19. Class 4.
Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Liquid and powder perfumes, and toilet waters. 63,264; re-renewed June 11, 1947. O. G. Aug. 19. Class 6.
Colgate & Company, Jersey City, N. J., and New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving stick and shaving soap. 228,517; renewed June 7, 1947. O. G. Aug. 19. Class 4.
Colgate & Company, Jersey City, N. J., and New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream. 229,287; renewed June 21, 1947. O. G. Aug. 19. Class 6.
Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.
Colgate & Company.
Colson Bros.: *See*—
Colson, Clem B.
Colson, Clem B., doing business as Colson Bros., Los Angeles, Calif. Detachable Hollywood bed legs. 432,176; Aug. 19. Class 32.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Dish, silver, and glass cleaning machines and metal-parts-cleaning machines. 223,173; renewed Jan. 18, 1947. O. G. Aug. 19. Class 23.
Columbia Industries, Long Island City, N. Y. Phonograph record cabinets. 432,094; Aug. 19; Serial No. 504,747; published Mar. 18, 1947. Class 32.
Commercial Milling Co., Detroit, Mich., to International Milling Company, Wilmington, Del. Wheat flour. 224,211; renewed Feb. 22, 1947. O. G. Aug. 19. Class 46.
Coolene Laboratories: *See*—
Guaranteed Products, Inc.
Concert Master Mfg. Company: *See*—
Jackson, P. D.
Conn, C. G., Ltd., Elkhart, Ind. Magnetic wire recording and reproducing apparatus and wire spools, etc. 432,062; Aug. 19; Serial No. 492,311; published May 13, 1947. Class 21.
Continental Corporation: *See*—
Jackson, P. D.
Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.
Crestlee Inc., New York, N. Y. Ladies', misses', and juniors' dresses of knitted, netted, and textile fabrics. 432,157; Aug. 19. Class 39.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 432,105; Aug. 19; Serial No. 508,102; published May 6, 1947. Class 13.
Curan & Joyce Co., Inc., Lawrence, Mass. Ginger ale. 229,535; renewed June 28, 1947. O. G. Aug. 19. Class 45.
Daumit, Kay, Inc.: *See*—
Cathcart, A. H., & James S. Thompson Company.
Decorite, Inc., Atlanta, Ga. Mouldings. 432,082; Aug. 19; Serial No. 497,995; published Aug. 20, 1946. Class 12.
Densten Felt and Hair Company, Inc., Philadelphia, Pa. Floor coverings. 229,390; renewed June 28, 1947. O. G. Aug. 19. Class 50.
Detroit White Lead Works to Rogers Paint Products, Inc., Detroit, Mich. Dry, paste, and ready-mixed paints, paint enamels, and lacquers. 223,858; renewed Feb. 15, 1947. O. G. Aug. 19. Class 16.
Diamond Rubber Co., The, to The B. F. Goodrich Company, Akron, Ohio. Rubber specialties. 29,557; re-renewed Feb. 2, 1947. O. G. Aug. 19. Class 44.
Diamond Rubber Co., The, to The B. F. Goodrich Company, Akron, Ohio. Rubber belting, packing, hose, and woven cotton-and-rubber hose. 59,632–4; re-renewed Jan. 15, 1947. O. G. Aug. 19. Class 35.
Dickinson, Albert, Company, The, Chicago, Ill. Timothy-seed. 60,321; re-renewed Feb. 5, 1947. O. G. Aug. 19. Class 1.
Dickinson, Albert, Company, The, Chicago, Ill. Grass-seeds, grain-seeds, timothy-seed, etc. 61,430; re-renewed Mar. 19, 1947. O. G. Aug. 19. Class 1.
Dickinson, Albert, Company, The, Chicago, Ill. Grass-seed, timothy-seed, grain-seed, etc. 61,431; re-renewed Mar. 19, 1947. O. G. Aug. 19. Class 1.
Dickinson, Albert, Company, The, Chicago, Ill. Grass-seeds, grain-seeds, timothy-seed and clover-seed. 61,692; re-renewed Apr. 2, 1947. O. G. Aug. 19. Class 1.
Dickinson, Albert, Company, The, Chicago, Ill. Farm and grass seeds. 226,951; renewed Apr. 26, 1947. O. G. Aug. 19. Class 1.
Dictaphone Corporation, Bridgeport, Conn. Hearing tubes. 224,070; renewed Feb. 15, 1047. O. G. Aug. 19. Class 36.
Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws. 60,357; re-renewed Feb. 5, 1947. O. G. Aug. 19. Class 23.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Files and rasps. 61,499; re-renewed Mar. 26, 1947. O. G. Aug. 19. Class 23.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Paint. 62,783; re-renewed May 28, 1947. O. G. Aug. 19. Class 16.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Graphite. 62,784; re-renewed May 28, 1947. O. G. Aug. 19. Class 1.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Stove-polish. 62,976; re-renewed June 4, 1947. O. G. Aug. 19. Class 4.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Graphite. 62,977; re-newed June 4, 1947. O. G. Aug. 19. Class 1.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 63,119; re-renewed June 4, 1947. O. G. Aug. 19. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead and crayon pencils. 63,498; re-renewed June 25, 1947. O. G. Aug. 19. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead and crayon pencils. 63,528; re-renewed June 25, 1947. O. G. Aug. 19. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 226,182; renewed Apr. 5, 1947. O. G. Aug. 19. Class 37.

Donnelley, R. R., & Sons Company: *See*—
Barney & Gegenheimer.

Dri-Zone Corporation, Kansas City, Mo. Water-proofing compounds. 432,106; Aug. 19; Serial No. 508,588; published May 27, 1947. Class 12.

Duff, P., & Sons, Pittsburgh, Pa., to American Home Foods, Inc., New York, N. Y. Molasses. 61,346–7; re-renewed Mar. 19, 1947. O. G. Aug. 19. Class 46.

Duggan's Company: *See*—
Duggans Distillers Products Corporation.

Duggans Distillers Products Corporation, doing business as Duggan's Company, Newark, N. J. Bourbon liqueur. 432,187; Aug. 19. Class 49.

Du Pont, E. I., de Nemours and Company: *See*—
Eastern Dynamite Company, The.
Harrison Bros. & Co.

Du Pont, E. I. de Nemours and Company, Wilmington, Del. Dye-stuffs. 227,749; renewed May 17, 1947. O. G. Aug. 19. Class 6.

Eagle Roller Mill Company, The, New Ulm, Minn. Wheat flour. 225,824; renewed Mar. 29, 1947. O. G. Aug. 19. Class 46.

Eastern Dynamite Company, The, Kenvil, N. J., to E. I. du Pont de Nemours and Company, Wilmington, Del. High explosives and blasting supplies. 62,480; re-renewed May 7, 1947. O. G. Aug. 19. Class 9.

Eastern Oregon Produce Company, Nyssa, Oreg. Fresh vegetables. 432,185; Aug. 19. Class 46.

Easy Washing Machine Corporation: *See*—
Zuill, Walter J.

Eckerson & Company, Jersey City, N. J., to Swift Company, Chicago, Ill. Mayonnaise, Russian dressing, sandwich spread. 223,037; renewed Jan. 11, 1947. O. G. Aug. 19. Class 46.

Eddystone Manufacturing Company, The, Eddystone and Philadelphia, to The Eddystone Manufacturing Company, Eddystone, Pa. Printed and dyed textile fabrics. 63,671; re-renewed July 2, 1947. O. G. Aug. 19. Class 42.

Ekco Products Company, Chicago, Ill. Kitchen strainers, base metal bake pans, and cooking hollow ware. 432,092; Aug. 19; Serial No. 504,608; published May 27, 1947. Class 13.

Ekco Products Company, Chicago, Ill. Kitchen strainers, base metal bake pans, and cooking hollow ware. 432,093; Aug. 19; Serial No. 504,610; published May 27, 1947. Class 13.

Ekco Products Company, Chicago, Ill. Kitchen tools. 432,101; Aug. 19; Serial No. 506,587; published May 27, 1947. Class 13.

Electric Machinery Mfg. Company, Minneapolis, Minn. Adjustable electronic speed controls. 432,108; Aug. 19; Serial No. 509,143; published May 13, 1947. Class 21.

Electronic Units, Inc., Dayton, Ohio. Artificial fish lures. 432,096; Aug. 19; Serial No. 505,812; published May 6, 1947. Class 22.

Elmo Sales Corporation, Philadelphia, Pa. Shampoo. 432,161; Aug. 19. Class 6.

Ely & Walker Dry Goods Company: *See*—
Carson Pirie Scott & Co.

Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery. 224,241; renewed Feb. 22, 1947. O. G. Aug. 19. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Children's sainsook underwear of textile fabrics. 225,212; renewed Mar. 15, 1947. O. G. Aug. 19. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Textile towels. 225,653; renewed Mar. 22, 1947. O. G. Aug. 19. Class 42.

Ely & Walker Dry Goods Company, St. Louis, Mo. Piece goods made of cotton, wool, silk, etc. 226,716; renewed Apr. 19, 1947. O. G. Aug. 19. Class 42.

Endicott-Johnson Company, to Endicott Johnson Corporation, Endicott, N. C. Boots and shoes. 63,468; re-renewed June 25, 1947. O. G. Aug. 19. Class 39.

Endicott Johnson Corporation: *See*—
Endicott-Johnson Company.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. 227,400; renewed May 3, 1947. O. G. Aug. 19. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 229,914; renewed July 12, 1947. O. G. Aug. 19. Class 22.

Erie Resistor Corporation, Erie, Pa. Electrical condenser assemblies and parts thereof. 432,083; Aug. 19; Serial No. 498,760; published Mar. 25, 1947. Class 21.

F & F Laboratories, Inc.: *See*—
Woodward, John G., & Co. (Inc.).

Fairbank, N. K., Company, The, Chicago, Ill., St. Louis, Mo., New York, N. Y., and Montreal, Quebec, Canada, to Lever Brothers Company, Cambridge, Mass. Detergent and washing powders. 30,115; re-renewed June 1, 1947. O. G. Aug. 19. Class 4.

Fairbank, N. K., Company, The, Chicago, Ill., St. Louis, Mo., New York, N. Y., and Montreal, Quebec, Canada, to Lever Brothers Company, Cambridge, Mass. Detergent and washing powders. 30,219; re-renewed June 15, 1947. O. G. Aug. 19. Class 4.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Washing or soap powder. 60,074; re-renewed Jan. 29, 1947. O. G. Aug. 19. Class 4.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Soap. 62,357; re-renewed Apr. 30, 1947. O. G. Aug. 19. Class 4.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Soap. 63,626; re-renewed July 2, 1947. O. G. Aug. 19. Class 4.

Fairchild Bros. & Foster, New York, N. Y., to Sterling Drug Inc., Wilmington, Del. Preparation of alkaline salts. 229,912; renewed July 12, 1947. O. G. Aug. 19. Class 6.

Fascinator Blouse Co., Inc., New York, N. Y. Ladies' and children's blouses. 432,201; Aug. 19. Class 39.

Fitzpatrick Bros., Chicago, Ill. Soap, soap powder, soap flour, etc. 229,468; renewed June 28, 1947. O. G. Aug. 19. Class 4.

Florist's Foil Bank Manufacturing Company, Detroit, Mich. Display stands. 432,095; Aug. 19; Serial No. 505,693; published May 13, 1947. Class 32.

Force Food Company, The, New York and Buffalo, to The Best Foods, Inc., New York, N. Y. Cooked flaked wheat. 60,099; re-renewed Jan. 29, 1947. O. G. Aug. 19. Class 46.

Forrest Addition, Flowery Branch, Ga. Wardrobes. 224,690; renewed Mar. 1, 1947. O. G. Aug. 19. Class 32.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 223,778; renewed Feb. 8, 1947. O. G. Aug. 19. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 224,271; renewed Feb. 22, 1947. O. G. Aug. 19. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Foster-Milburn Company, Buffalo, N. Y. Bitters. 63,417; re-renewed June 18, 1947. O. G. Aug. 19. Class 6.

French, Samuel H., & Co., to Samuel H. French Paint Co., Philadelphia, Pa. Mortar-colorings. 59,972; re-renewed Jan. 22, 1947. O. G. Aug. 19. Class 12.

French, Samuel H., Paint Co.: *See*—
French, Samuel H., & Co.

Fries Bros., Inc.: *See*—
Fries, Harold H.

Fries, Harold H., to Fries Bros., Inc., New York, N. Y. Chlorid of ethyl. 63,705; re-renewed July 2, 1947. O. G. Aug. 19. Class 6.

Frohman & Altman, Inc., to Beau Claire Fashions, Inc., New York, N. Y. Ladies' and misses' dresses, coats, and suits. 229,140; renewed June 21, 1947. O. G. Aug. 19. Class 39.

Fuller, D. B., & Co., Inc.: *See*—
Vandam, Albert H., Co., Inc.

Galion Iron Works & Mfg. Co., The, Galion, to The Jeffrey Manufacturing Company, Columbus, Ohio. Material-handling apparatus. 223,949; renewed Feb. 15, 1947. O. G. Aug. 19. Class 23.

Gallowhur Chemical Corporation: *See*—
Peerless Products Co.

Gardner, Anna M., New York, N. Y. Flower arranger. 432,081; Aug. 19; Serial No. 497,931; published May 27, 1947. Class 13.

General Cable Corporation, New York, N. Y. Insulated electric wires and cables. 432,119; Aug. 19; Serial No. 512,663; published May 27, 1947. Class 21.

General Dry Batteries, Inc., Lakewood, Ohio. Dry cell batteries. 432,118; Aug. 19; Serial No. 512,250; published May 27, 1947. Class 21.

General Electric Company, Schenectady, N. Y. Rosettes. 60,523; re-renewed Feb. 12, 1947. O. G. Aug. 19. Class 21.

General Shoe Corporation, Nashville, Tenn. Shoes. 432,197; Aug. 19. Class 39.

George Brothers Mfg. Co., New York, N. Y. Shoe polishes and shoe creams. 228,051; renewed May 24, 1947. O. G. Aug. 19. Class 4.

Gillman Knitwear Company, Cincinnati, Ohio. Men's and boys' sweaters, jackets, knitted sport shirts, etc. 432,147; Aug. 19. Class 39.

Gleitsman, Chopp & Sadowsky, Inc., New York, N. Y. Girls' and misses' blouses. 432,195; Aug. 19. Class 39.

Goldman, Robert, doing business as Roberta Blouse Co., New York, N. Y. Women's blouses. 432,181; Aug. 19. Class 39.

Goodrich, B. F., Company, The: *See*—
Diamond Rubber Co., The.

Goodrich, B. F., Company, The. New York, N. Y. Sport shoes. 225,517; renewed Mar. 22, 1947. O. G. Aug. 19. Class 39.

Gray Company, Inc.: *See*—
Battle, John R.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Cocoa and chocolate. 63,071; re-renewed June 4, 1947. O. G. Aug. 19. Class 46.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Fruits and vegetables, canned, dried, and prepared; catsups, etc. 63,309; re-renewed June 11, 1947. O. G. Aug. 19. Class 46.

Great Atlantic & Pacific Tea Co., The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Co., New York, N. Y. Coffee. 228,894; renewed June 14, 1947. O. G. Aug. 19. Class 46.

Grover Photo Products, Los Angeles, Calif. Electric light fixtures. 432,114; Aug. 19; Serial No. 511,148; published May 27, 1947. Class 21.

Guaranteed Products, Inc., doing business as Coolene Laboratories, to Swedish Shampoo Laboratories, New York, N. Y. Foot cream. 222,407; renewed Jan. 4, 1947. O. G. Aug. 19. Class 6.

Guild, Irwin C., New York, N. Y. Ladies', misses', and junior misses' dresses, blouses, slacks, etc. 432,180; Aug. 19. Class 39.

Guinness, Arthur, Son & Company, Limited: *See*—
Guinness, Arthur, Son & Co. Limd.

Guinness, Arthur, Son & Co. Limd., to Arthur Guinness, Son & Company, Limited, London, England. Stout. 63,040–1; re-renewed June 4, 1947. O. G. Aug. 19. Class 48.

Gyco Instruments, Inc., Bloomfield, N. J. Variable transformers. 432,090; Aug. 19; Serial No. 503,725; published May 6, 1947. Class 21.

H-O Hornbys Oatmeal Company, The, New York and Buffalo, to The Best Foods, Inc., New York, N. Y. Cooked rolled oats. 59,917; re-renewed Jan. 22, 1947. O. G. Aug. 19. Class 46.

Hallock-Denton Co., Newark, N. J. Glycerin, sweet oil, camphorated oil, etc. 230,143; renewed July 12, 1947. O. G. Aug. 19. Class 6.

Hammel Riglander & Co., to Hammel, Riglander & Co., Inc., New York, N. Y. Pliers. 62,997; re-renewed June 4, 1947. O. G. Aug. 19. Class 23.

Hammel, Riglander & Co., Inc.: *See*—
Hammel Riglander & Co.

Hammond Cannery: *See*—
Hammond, Frank E.

Hammond, Frank E., doing business as Hammond Cannery, West Alexandria, Ohio. Canned tomatoes. 432,135; Aug. 19. Class 46.

Harris & Tipograph, Inc., to Harris & Tipograph, Inc., New York, N. Y. Sweatbands. 211,088; renewed Apr. 6, 1946. O. G. Aug. 19. Class 39.

Harrison Bros. & Co., Philadelphia, Pa., to E. I. du Pont de Nemours and Company, Wilmington, Del. Article for removing paint, oil, varnishes, etc. 29,411–12; re-renewed Jan. 5, 1947. O. G. Aug. 19. Class 16.

Hawley & Hoops, New York, N. Y. Candy, chocolates, and bonbons. 61,348–9; re-renewed Mar. 19, 1947. O. G. Aug. 19. Class 46.

Hawley & Hoops, New York, N. Y. Candy. 222,931; renewed Jan. 11, 1947. O. G. Aug. 19. Class 46.

Hazellte, Inc., New York, N. Y. Lenses for automobile headlights. 432,126; Aug. 19; Serial No. 513,886; published May 13, 1947. Class 34.

Hearst Corporation, The: *See*—
King Features Syndicate, Inc.

Higginsville Milling Company, The, to Charles Banks Stout, doing business as The Higginsville Milling Company, Higginsville, Mo. Wheat flour. 27,820; re-renewed Feb. 18, 1946. O. G. Aug. 19. Class 46.

Hoffman, F., -La Roche & Cie., Basel, Switzerland, to Hoffman-La Roche Inc., Nutley, N. J. Products for use in medicine and pharmacy, disinfectants, and perfumes. 29,994; re-renewed May 11, 1947. O. G. Aug. 19. Class 6.

Hoffman-La Roche Inc.: *See*—
Hoffman, F., -La Roche & Cie.

Hollywood Doll Manufacturing Company: *See*—
Ippolito, Domenick.

Horlacher Brewing Company, Allentown, Pa. Beer. 432,154; Aug. 19. Class 48.

Howell Products, Inc., Holmes, Pa. Sectional overhead doors. 432,123; Aug. 19; Serial No. 513,181; published May 27, 1947. Class 12.

Hubbard Pants Company, Inc., Bremen, Ga. Men's and boys' trousers. 432,200; Aug. 19. Class 39.

Hulseberg & Krudener, Inc., New York and Brooklyn, to Hulseberg & Krudener, Inc., Brooklyn, N. Y. Cheese. 229,288; renewed June 21, 1947. O. G. Aug. 19. Class 46.

Ideal Novelty & Toy Co., Brooklyn, to Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. 229,836; renewed July 5, 1947. O. G. Aug. 19. Class 22.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Storage-battery terminals, plugs, screws, etc. 229,206; renewed June 21, 1947. O. G. Aug. 19. Class 21.

Indestro Mfg. Co., to Indestro Manufacturing Corp., Chicago, Ill. Nut-wrench sets, socket-wrench sets, ratchet-handle wrenches, etc. 229,445; renewed June 28, 1947. O. G. Aug. 19. Class 23.

Indestro Manufacturing Corp.: *See*—
Indestro Mfg. Co.

Indian River Producers, Inc., Fort Pierce, Fla. Fresh citrus fruits. 432,174; Aug. 19. Class 46.

Industrial Oil Equipment Co.: *See*—
Battle, John Rome.

International Milling Company: *See*—
Commercial Milling Co.
New Prague Flouring Mill Company.
Wells Flour Milling Company.

International Musical Corporation, Jersey City and Hoboken, to Oscar Schmidt-International, Incorporated, Jersey City, N. J. Musical instruments. 227,835; renewed May 17, 1947. O. G. Aug. 19. Class 36.

International Salt Company, Inc., New York, N. Y., to International Salt Company, Inc., Scranton, Pa. Salt. 228,303; renewed May 31, 1947. O. G. Aug. 19. Class 46.

International Salt Company, Inc., New York, N. Y., to International Salt Company, Inc., Scranton, Pa. Salt. 229,297; renewed June 21, 1947. O. G. Aug. 19. Class 46.

International Silver Company, The: *See*—
American Silver Company, The.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,067–8; Aug. 19; Serial Nos. 496,793–4; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,069; Aug. 19; Serial No. 496,808; published May 13, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,070; Aug. 19; Serial No. 496,810; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,071; Aug. 19; Serial No. 496,812; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,072; Aug. 19; Serial No. 496,814; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,073; Aug. 19; Serial No. 496,828; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,074; Aug. 19; Serial No. 496,833; published May 6, 1947. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,075; Aug. 19; Serial No. 496,840; published May 6, 1947. Class 22.

Ivers & Pond Piano Co., Boston, Mass., to Ivers & Pond Piano Co., Bronx, N. Y. Piano and furniture polish. 219,243; renewed Oct. 12, 1946. O. G. Aug. 19. Class 16.

Jacobson Sales Co., Memphis, Tenn. Hosiery and underwear. 432,194; Aug. 19. Class 39.

Jackson Brewing Company, New Orleans, La. Malt sirup. 225,381; renewed Mar. 15, 1947. O. G. Aug. 19. Class 48.

Jackson Company to Nashua Manufacturing Company, Nashua, N. H. Cotton piece goods and cotton blankets. 62,554; re-renewed May 14, 1947. O. G. Aug. 19. Class 42.

Jackson, P. D., doing business as Concert Master Mfg. Company, and Continental Corporation, Chicago, Ill., and Newark, N. J., to Continental Corporation, Chicago, Ill. Radio vacuum tubes. 226,115; renewed Mar. 29, 1947. O. G. Aug. 19. Class 21.

Jeffery Manufacturing Company, The: *See*—
Galion Iron Works & Mfg. Co., The.

Johnston, F. A., Jr., and Associates, Inc., St. Louis, Mo. Games. 432,129; Aug. 19; Serial No. 516,190; published May 6, 1947. Class 22.

Jung, L. E., New Orleans, La., to L. E. Jung & Wulff Co., Inc., New York, N. Y. Nonalcoholic, maltless flavoring extracts. 225,390; renewed Mar. 15, 1947. O. G. Aug. 19. Class 45.

Jung, L. E., & Wulff Co., Inc.: *See*—
Jung, L. E.

Kaiser Company, Inc., Oakland, Calif. Steel construction materials. 432,138; Aug. 19. Class 12.

Kammerer, H. A., Inc., Mount Vernon, N. Y. Metal window sash and screens. 432,125; Aug. 19; Serial No. 513,661; published May 13, 1947. Class 12.

Keen Kola Manufacturing Company, Dallas, Tex. Beverage, Nonalcoholic, noncereal maltless. 227,539; renewed May 10, 1947. O. G. Aug. 19. Class 45.

Kelley-How-Thomson Co., Duluth, Minn. Stoves and ranges. 63,335; re-renewed June 18, 1947. O. G. Aug. 19. Class 34.

Kelley-How-Thomson Co., Duluth, Minn. Pocket knives, razors, scissors, etc. 63,395; re-renewed June 18, 1947. O. G. Aug. 19. Class 23.

Kelley-How-Thompson Co., Duluth, Minn. Hammers, screw drivers, and shovels. 63,396; re-renewed June 18, 1947. O. G. Aug. 19. Class 23.

Kelley-How-Thomson Co., Duluth, Minn. Washing machines, wash tubs, wash boilers, etc. 63,397; re-renewed June 18, 1947. O. G. Aug. 19. Class 24.

Kelley-How-Thomson Co., Duluth, Minn. Sewing machines. 63,398; re-renewed June 18, 1947. O. G. Aug. 19. Class 23.

Kelley-How-Thomson Co., Duluth, Minn. Barbed wire, oil cans, milk-cans, etc. 63,499; re-renewed June 25. 1947. O. G. Aug. 19. Classes 2 and 13.

Kelley-How-Thomson Co., Duluth, Minn. Lawn mowers. 63,500; re-renewed June 25, 1947. O. G. Aug. 19. Class 23.

Keystone Roofing Manufacturing Company, York, Pa. Thermal insulating material. 432,099; Aug. 19; Serial No. 506,240; published May 27, 1947. Class 12.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoons. 222,508; renewed Jan. 4, 1947. O. G. Aug. 19. Class 38.

Klauber, Eleanor F., doing business as Klauber Novelty Co., Chicago, Ill. Card games. 432,127; Aug. 19; Serial No. 515,352; published May 6, 1947. Class 22.

Klauber Novelty Co.: *See*—
Klauber, Eleanor F.

Klein, Sam, Newark, N. J. Effervescent foot bath. 432,171; Aug. 19. Class 6.

Koegel's, Charles, Sons, Inc., Holyoke and Springfield, to Charles Koegel's Sons, Inc., Holyoke, Mass. Slitting machines. 230,064; renewed July 12, 1947. O. G. Aug. 19. Class 23.

Krapes, Charles, doing business as Ro-Lynn Frocks, assignor to Ro-Lynn Frocks, Inc., New York, N. Y. Girls' dresses. 432,164; Aug. 19. Class 39.

Kubatzky, Woodrow P., doing business as Winco Distributing Company, St. Louis, Mo. Baffle type window ventilators. 432,132; Aug. 19; Serial No. 516,988; published May 27, 1947. Class 34.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Varnish, japan, filler, etc. 228,326; renewed May 31, 1947. O. G. Aug. 19. Class 16.

Kurfees, J. F., Paint Company, Incorporated, Louisville, Ky. Mixed paint. 229,489–90; renewed June 28, 1947. O. G. Aug. 19. Class 16.

Kuris, Jack, New York, N. Y. Watches. 432,204; Aug. 19. Class 27.

Lacomma, Jack, Egg Co.: *See*—
Primak, Jacob.

Larned Company, The, Detroit, Mich., to Whitehall Pharmacal Company, New York, N. Y. Medicinal preparation. 224,925; renewed Mar. 8, 1947. O. G. Aug. 19. Class 6.

LaSalle Neckwear Company: *See*—
Blumenfield, Lewis.

La Union Agricola Sociedad Anonima, Barcelona, Spain. Brandy. 432,139; Aug. 19. Class 49.

Les Parfums De Rosine, Inc., New York, N. Y., to Les Parfums De Rosine, S. A. R. L., Paris, France. Toilet articles. 225,834; renewed Mar. 29, 1947. O. G. Aug. 19. Class 6.

Les Parfums De Rosine, Inc., New York, N. Y., to Les Parfums De Rosine, S. A. R. L., Paris, France. Toilet articles. 226,404; renewed Apr. 5, 1947. O. G. Aug. 19. Class 6.

Les Parfums De Rosine, Inc., New York, N. Y., to Les Parfume De Rosine, S. A. R. L., Paris, France. Toilet articles. 226,406; renewed Apr. 6, 1947. O. G. Aug. 19. Class 6.

Les Parfums De Rosine, S. A. R. L.: *See*—
Les Parfums De Rosine, Inc.

Lever Brothers Company: *See*—
Fairbank, N. K., Company, The.
Union Oil Company.

Lever Brothers Company, Portland, Maine, and Cambridge, Mass., to Lever Brothers Company, Cambridge, Mass. Cleansing, polishing, or scouring preparation. 60,261; re-renewed Feb. 5, 1947. O. G. Aug. 19. Class 4.

Lever Brothers Company, Cambridge, Mass. Soap. 61,633; re-renewed Apr. 2, 1947. O. G. Aug. 19. Class 4.

Levering Coffee Company, The: *See*—
Levering Coffee Co.

Levering Coffee Co., to The Levering Coffee Company, Baltimore, Md. Coffee. 60,103; re-renewed Jan. 29, 1947. O. G. Aug. 19. Class 46.

Levey Brothers & Company, to Shield Press, Incorporated, Indianapolis, Ind. Blank-books, checks, letter-heads, etc. 59,853; re-renewed Jan. 22, 1947. O. G. Aug. 19. Class 37.

Lindroth's, Inc., Brooklyn, N. Y. Candies, ice creams, and water ices. 432,199; Aug. 19. Class 46.

Loffredo Equipment, Inc., The, Waukesha, Wis. Portable folding barbecue grills. 432,177; Aug. 19. Class 34.

Los Angeles Soap Company, Los Angeles, Calif. Soda. 228,991; renewed June 14, 1947. O. G. Aug. 19. Class 6.

Los Angeles Soap Company, Los Angeles, Calif. Flakes and powdered soap. 229,360; renewed June 28, 1947. O. G. Aug. 19. Class 4.

Lowe Brothers Company, The, Dayton, Ohio. Paints in dry, paste, or ready-mixed form, etc. 432,091; Aug. 19; Serial No. 504,188; published Apr. 1, 1947. Class 16.

Lubin-Weeker Co., Inc., New York, N. Y. Outer shirts. 432,136; Aug. 19. Class 39.

Lubin-Weeker Co., Inc., New York, N. Y. Boys' pajamas. 432,145; Aug. 19. Class 39.

M & R Dietetic Laboratories, Inc., Columbus, Ohio. Condensed milk product. 432,084; Aug. 19; Serial No. 499,256; published Mar. 25, 1947. Class 46.

MacAndrews & Forbes Company, Camden, N. J., and New York, N. Y., to MacAndrews & Forbes Company, Camden, N. J. Composite board and lumber. 229,304; renewed June 21, 1947. O. G. Aug. 19. Class 12.

Madelon Modes, Inc.: *See*—
Shirley Modes, Inc.

Magazine Repeating Razor Company, New York, N. Y., to Magazine Repeating Razor Company, Chicago, Ill. Safety razors and razor blades. 224,639; renewed Mar. 1, 1947. O. G. Aug. 19. Class 23.

Mahlena Products, Incorporated, Asheville, N. C. Foot powder. 432,188; Aug. 19. Class 6.

Major Industries Co., Inc., Redondo Beach, Calif. Concrete building blocks. 432,124; Aug. 19; Serial No. 513,568; published May 13, 1947. Class 12.

Mallernee, Robert E., doing business as Ranch House, Dellroy, Ohio. Ice cream. 432,189; Aug. 19. Class 46.

Manhattan Medicine Co., to Whitehall Pharmacal Company, New York, N. Y. Remedy for diseased conditions of the blood, the liver, etc. 61,257; re-renewed Mar. 12, 1947. O. G. Aug. 19. Class 6.

Marinello Company, to Sales Affiliates, Inc., New York, N. Y. Toilet preparations for use on the skin. 222,965; renewed Jan. 11, 1947. O. G. Aug. 19. Class 6.

Martin Fish Lure Co., Seattle, Wash. Fish lures and fish baiting devices. 432,061; Aug. 19; Serial No. 490,679; published May 6, 1947. Class 22.

Mawer-Gulden-Annis, Inc.: *See*—
Albers Packing Company.

McKesson & Robbins, to McKesson & Robbins, Incorporated, New York, N. Y. Medicinal preparation. 59,757; re-renewed Jan. 15, 1947. O. G. Aug. 19. Class 6.

McKesson & Robbins, to McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic preparations. 59,788; re-renewed Jan. 15, 1947. O. G. Aug. 19. Class 6.

McKesson & Robbins, Incorporated: *See*—
McKesson & Robbins.

McNamara, Eunice W., doing business as Mollie Bowen, Brooklyn, N. Y. Brassières, corsets, bathing suits, etc. 432,133; Aug. 19. Class 39.

Meredith Publishing Company: *See*—
Successful Farming Publishing Company.

Meyer, N. S., Inc., New York, N. Y. Insignia, buttons, and ornaments, etc. 222,437; renewed Jan. 4, 1947. O. G. Aug. 19. Class 50.

Miles, Dr., Medical Company, The, to Miles Laboratories, Inc., Elkhart, Ind. Remedies for torpid liver, biliousness, constipation, etc. 61,728; re-renewed Apr. 2, 1947. O. G. Aug. 19. Class 6.

Miles Laboratories, Inc.: *See*—
Miles, Dr., Medical Company, The.

Minicrafters of Baltimore, Baltimore, Md. Toy and model airplanes and parts thereof. 432,076; Aug. 19; Serial No. 497,399; published May 6, 1947. Class 22.

Mirenta, A. C.: *See*—
Mirenta, A., & Company, Inc.

Mirenta, A., & Company, Inc., to A. C. Mirenta, Tacoma, Wash. Deodorant. 228,388; renewed May 31, 1947. O. G. Aug. 19. Class 6.

Mishawaka Rubber and Woolen Manufacturing Company: *See*—
Mishawaka Manufacturing Company.

Mishawaka Woolen Manufacturing Company, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Wool boots and lumbermen's socks. 29,476; re-renewed Jan. 19, 1947. O. G. Aug. 19. Class 39.

Mishawaka Woolen Manufacturing Company, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Wool boots. 29,878; re-renewed Apr. 20, 1947. O. G. Aug. 19. Class 39.

Missouri Butterine Co.: *See*—
St. Louis Independent Packing Company.

Mixing Equipment Co., Inc., New York, to Mixing Equipment Co., Inc., Rochester, N. Y. Electrically-operated mixing equipment. 227,991; renewed May 17, 1947. O. G. Aug. 19. Class 21.

Mohawk Rubber Company, The, Akron, Ohio. Non-metallic tires and tubes, camelback for retreading and recapping tires, etc. 432,102; Aug. 19; Serial No. 506,764; published May 27, 1947. Class 35.

Montal Watch Fittings Limited, Birmingham, England. Watch fittings, watches, and watch cases. 432,184; Aug. 19. Class 27.

Morgan Crucible Company Limited, The, London, England. Brushes. 57,382; re-renewed Nov. 13, 1946. O. G. Aug. 19. Class 21.

Narrow Fabric Co., The, West Reading and Reading, Pa. Elastic fabric in the piece. 228,871; renewed June 14, 1947. O. G. Aug. 19. Class 42.

Narrow Fabric Co., The, West Reading and Reading, Pa. Sanitary napkins. 229,254; renewed June 21, 1947. O. G. Aug. 19. Class 44.

Nashua Manufacturing Company: *See*—
Jackson Company.

National Refining Company, The, to The National Refining Company, Cleveland, Ohio. Illuminating-oil. 63,966; re-renewed July 16, 1947. O. G. Aug. 19. Class 15.

National Screen Company, Inc., Suffolk, Va. Window screens. 432,109; Aug. 19; Serial No. 509,235; published May 13, 1947. Class 12.

National Washboard Company: *See*—
American Washboard Company, The.

New Prague Flouring Mill Company, New Prague, Minn., to International Milling Company, Wilmington, Del. Wheat-flour. 61,905–6; re-renewed Apr. 9, 1947. O. G. Aug. 19. Class 46.

Newsome, John Parks, Inc., North Birmingham, Ala. Furniture. 432,066; Aug. 19; Serial No. 496,457; published May 27, 1947. Class 32.

North American Cement Corporation, Albany, to North American Cement Corporation, New York, N. Y. Portland cement. 228,241–2; renewed May 24, 1947. O. G. Aug. 19. Class 12.

North Atlantic Packing Company, Bar Harbor, Maine. Canned seafood chowder, canned clam chowder, sardine cocktail chowder, etc. 432,198; Aug. 19. Class 46.

Norwich Pharmacal Company, The, Norwich, N. Y. Pepto-bismol; a liquid demulcent preparation. 224,933; renewed Mar. 8, 1947. O. G. Aug. 19. Class 6.

Odell Company, Inc., The, Newark, N. J. Hair tonic, hair dressing, and eau de quinine. 229,378; renewed June 28, 1947. O. G. Aug. 19. Class 6.

Ohio Willow Wood Company, The: *See*—
Sterling Stocking Co.

Okonite Company, The, Passaic, N. J. Non-metallic tape, non-metallic sheaths, and insulation. 432,088; Aug. 19; Serial No. 503,319; published May 27, 1947. Class 21.

Oliver-Finnie Co., Memphis, Tenn. Chocolate and candies. 22,832; renewed Jan. 11, 1947. O. G. Aug. 19. Class 46.

Osborn Paper Company, Marion, Ind. Writing tablets, school tablets, composition books, etc. 226,935; renewed Apr. 26, 1947. O. G. Aug. 19. Class 37.

Oscar Schmidt-International, Incorporated: *See*—
International Musical Corporation.

Page, L. C., & Company Inc.: *See*—
Page, L. C., & Company, (Inc.)

Page, L. C., & Company, (Inc.), to L. C. Page & Company Inc., Boston, Mass. Narrative and story books. 59,826; re-renewed Jan. 22, 1947. O. G. Aug. 19. Class 38.

Pears, A. & F., Limited: *See*—
Pears, A. & F., Lim'd.

Pears, A. & F., Lim'd, London, to A. & F. Pears Limited, Isleworth, England. Perfumed fancy soaps. 62,384; re-renewed May 7, 1947. O. G. Aug. 19. Class 4.

Peerless Products Co., Los Angeles, Calif., to Gallowhur Chemical Corporation, New York, N. Y. Preparation for exterminating moths. 223,015; renewed Jan. 11, 1947. O. G. Aug. 19. Class 6.

Perma Board Corporation, New York, N. Y. Flush doors. 432,116; Aug. 19; Serial No. 512,200; published May 27, 1947. Class 12.

Phoenix Oil Company, The, Cleveland, Ohio. Oil soap. 225,781; renewed Mar. 22, 1947. O. G. Aug. 19. Class 4.

Pictsweet Foods, Inc., Mount Vernon, Wash. Canned peas. 432,167; Aug. 19. Class 46.

Pierce, S. S., Co., Boston, Mass. Canned vegetables, nuts, spices, etc. 62,560; re-renewed May 14, 1947. O. G. Aug. 19. Class 46.

Pierce, S. S., Co., Boston, Mass. Cigarettes. 229,043; renewed June 21, 1947. O. G. Aug. 19. Class 17.

Plankinton Packing Co., Milwaukee, Wis. Fresh and cold-storage eggs. 227,681; renewed May 10, 1947. O. G. Aug. 19. Class 46.

Polizzi, Daniel D., doing business as Polizzi Precision Products Co., North Hollywood, Calif. Lock nuts. 432,087; Aug. 19; Serial No. 502,008; published May 27, 1947. Class 13.

Polizzi Precision Products Co.: *See*—
Polizzi, Daniel D.

Pomette Dress Corporation, New York, N. Y. Misses' and women's dresses. 432,140; Aug. 19. Class 39.

Power, D., & Sons Limited, Walsall, England. Leather gloves. 432,146; Aug. 19. Class 39.

Precision Welder and Machine Company, Cincinnati, Ohio. Resistance welding machines. 432,196; Aug. 19. Class 21.

Primak, Jacob, doing business as Jack Lacomma Egg Co., Los Angeles, Calif. Fresh eggs. 432,153; Aug. 19. Class 46.

Process Equipment Engineers, Inc., Belding, Mich. Metallic pipe and metallic pipe fittings. 432,077; Aug. 19; Serial No. 497,495; published May 27, 1947. Class 13.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 225,057; renewed Mar. 8, 1947. O. G. Aug. 19. Class 4.

Queen Dress & Skirt Company, Milwaukee, Wis. Dresses and frocks for women and children. 228,758; renewed June 7, 1947. O. G. Aug. 19. Class 39.

Railton, B. A., Co., Chicago, Ill. Sugars, soft and powdered; flour. 226,793–4; renewed Apr. 19, 1947. O. G. Aug. 19. Class 46.

Railway Equipment and Publication Co., The, New York, N. Y. Periodical. 225,187; renewed Mar. 15, 1947. O. G. Aug. 19. Class 38.

Ranch House: *See*—
Mallernee, Robert E.

Rayburn, Lea A., Morristown, Tenn. Hosiery. 432,142; Aug. 19. Class 39.

Raye, Alma, Cosmetic Company, Los Angeles, Calif. Tissue cream, night cream, texture cream, etc. 432,159; Aug. 19. Class 6.

Raye, Nan, Frocks, Inc., New York, N. Y. Women's and misses' dresses. 432,163; Aug. 19. Class 39.

Rayflex Fabrics, Inc., New York, N. Y. Wide woven elastic fabric. 432,190; Aug. 19. Class 42.

Remington Radio Corp., White Plains, N. Y. Electrical phonographs and radio receiving sets and radio transmitting sets. 432,151; Aug. 19. Class 21.

Reynolds International Pen Company, Chicago, Ill., now by change of name Reynolds Pen Company. Fountain pens. 432,155; Aug. 19. Class 37.

Reynolds Pen Company: *See*—
Reynolds International Pen Company.

Rich's Inc.: *See*—
Rich, M., & Bros. Co.

Rich, M., & Bros. Co., to Rich's Inc., Atlanta, Ga. Artificial-silk textiles, awning fabrics, textile and woven bed coverlets, etc. 226,788; renewed Apr. 19, 1947. O. G. Aug. 19. Class 42.

Rich, M., & Bros. Co., to Rich's Inc., Atlanta, Ga. Linen, silk, cotton and worsted braids, artificial flowers, unmounted beaded bags, etc. 227,357; renewed May 3, 1947. O. G. Aug. 19. Class 40.

Rieger Manufacturing Co., The, Miamisburg, Ohio. Lawn sprinklers. 432,060; Aug. 19; Serial No. 489,988; published Apr. 8, 1947. Class 13.

Roberta Blouse Co.: *See*—
Goldman, Robert.

Rogers Paint Products, Inc.: *See*—
Detroit White Lead Works.

Ro-Lynn Frocks: *See*—
Krapes, Charles.

Ro-Lynn Frocks, Inc.: *See*—
Krapes, Charles.

Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. 432,085; Aug. 19; Serial No. 499,510; published Nov. 5, 1946. Class 46.

Rowles, E. W. A., Co, Chicago, to E. W. A. Rowles Co., Arlington Heights, Ill. Blackboards. 227,116; renewed Apr. 26, 1947. O. G. Aug. 19. Class 50.

Royal Baking Powder Co., Jersey City, N. J., and New York, N. Y., to Standard Brands Incorporated, New York, N. Y. Yeast. 63,538; re-renewed June 25, 1947. O. G. Aug. 19. Class 46.

Safir Plan, Inc., New York, N. Y. Men's robes made of all silk foulard. 432,168; Aug. 19. Class 39.

Sagner's, A., Son, Baltimore, Md. Men's clothing. 432,173; Aug. 19. Class 39.

St. Louis Independent Packing Company, doing business as Missouri Butterine Co., to St. Louis Independent Packing Company, St. Louis, Mo. Oleomargarine. 223,304; renewed Feb. 1, 1947. O. G. Aug. 19. Class 46.

Saks & Company, New York, N. Y. Ladies' and misses' fur coats made of mink. 432,175; Aug. 19. Class 39.

Sales Affiliates, Inc.: *See*—
Marinello Company.

Salvatore, Amedeo, New York, N. Y. Fur coats. 432,193; Aug. 19. Class 39.

Saranac Pulp & Paper Company, Inc., Plattsburg, to B-F-D Company, New York, N. Y. Crepe tissue paper, toilet tissue paper, heavy crepe paper, etc. 223,973; renewed Feb. 15, 1947. O. G. Aug. 19. Class 37.

Scherl & Roth, Inc.: *See*—
Simson & Frey, Inc.

Schorber's, Mrs., Irvington, N. J. Noodles. 432,192; Aug. 19. Class 46.

Schrock Bros. Co., Congerville, Ill. Fertilizer. 432,205; Aug. 19. Class 10.

Schwartz & Benjamin, Inc., New York, N. Y. Women's shoes. 432,182; Aug. 19. Class 39.

Seeman Brothers, Inc., New York, N. Y. Raspberry sirup, grape juice, orange juice, etc. 228,346; renewed May 31, 1947. O. G. Aug. 19. Class 45.

Shield Press, Incorporated: *See*—
Levey Brothers & Company.

Shirley Modes, Inc., New York, N. Y., now by change of name Madelon Modes, Inc., to Madelon Modes, Inc. Women's apparel. 229,740; renewed July 5, 1947. O. G. Aug. 19. Class 39.

Shreve & Adams, Inc., New York, N. Y. Hosiery. 229,651; renewed July 5, 1947. O. G. Aug. 19. Class 39.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boys' clothing. 432,158; Aug. 19. Class 39.

Simson & Frey, Inc., New York, N. Y., to Scherl & Roth, Inc., Cleveland, Ohio. Violin and cello strings. 229,228; renewed June 21, 1947. O. G. Aug. 19. Class 36.

Smith Brothers Publishers, Inc., New York, N. Y. Magazine. 228,895; renewed June 14, 1947. O. G. Aug. 19. Class 38.

Southern States Iron Roofing Company, Savannah, Ga. Asbestos siding. 432,179; Aug. 19. Class 12.

Sozzle, Peter C.: *See*—
Cellas', Inc.

Sport Miss, Inc., New York, N. Y. Misses' and girls' blouses, outer skirts, jackets, etc. 432,186; Aug. 19. Class 39.

Standard Brands Incorporated: *See*—
Royal Baking Powder Co.

Standard Diary Company, The, Cambridge, Mass. Diaries. 227,728; renewed May 17, 1947. O. G. Aug. 19. Class 37.

Stanley Works, The, New Britain, Conn. Hand planes. 230,038; renewed July 12, 1947. O. G. Aug. 19. Class 23.

Stearns Electric Paste Co., Buffalo, N. Y., to Stearns Electric Paste Co., Chicago, Ill. Rat and roach exterminator. 63,294; re-renewed June 11, 1947. O. G. Aug. 19. Class 6.

Sterling Drug Inc.: *See*—
Fairchild Bros. & Foster.

Sterling Stocking Co., to The Ohio Willow Wood Company, Mount Sterling, Ohio. Stump stocking and stump socks. 230,012; renewed July 12, 1947. O. G. Aug. 19. Class 39.

Stolman, David J., Gloversville, N. Y. Leather clothing, wool and cotton jacket style. 432,156; Aug. 19. Class 39.

Stout, Charles B.: *See*—
Higginsville Milling Company, The.

Studebaker Corporation, The, to The Studebaker Corporation, South Bend, Ind. Automobiles and structural parts thereof. 229,607; renewed July 5, 1947. O. G. Aug. 19. Class 19.

Successful Farming Publishing Company, to Meredith Publishing Company, Des Moines, Iowa. Monthly newspaper. 61,626; re-renewed Mar. 26, 1947. O. G. Aug. 19. Class 38.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Superior Shoe Company, Chicago, Ill. Children's shoes. 432,169; Aug. 19. Class 39.

Superior Wall Products Co., Philadelphia, Pa. Pressed wood fiber wall boards. 432,160; Aug. 19. Class 12.

Swedish Shampoo Laboratories: *See*—
Guaranteed Products, Inc.

Sweetwater Fruit Company, Bonita, to The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrous fruits. 223,715; renewed Feb. 8, 1947. O. G. Aug. 19. Class 46.

Sweetwater Fruit Company, Bonita, to The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrous fruits. 226,065; renewed May 24, 1947. O. G. Aug. 19. Class 46.

Swift & Company: *See*—
Eckerson Company.
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Glue. 223,781; renewed Feb. 8, 1947. O. G. Aug. 19. Class 5.

Swift and Company, to Swift & Company, Chicago, Ill. Fertilizer. 228,204; renewed May 24, 1947. O. G. Aug. 19. Class 10.

Tavart Company, Ltd., Los Angeles, Calif. Overhead door mounting hardware. 432,103; Aug. 19; Serial No. 506,972; published Mar. 4, 1947. Class 13.

Telleoptic Company, The, Racine, Wis. Back-up lights for automobiles. 432,063; Aug. 19; Serial No. 492,592; published May 13, 1947. Class 21.

Tenaly, B. M., Shoe Mfg. Co., Inc., Lynn, Mass. Shoes. 432,178; Aug. 19. Class 39.

Thrilloplane Company, Los Angeles, Calif. Toy merry-go-rounds. 432,078; Aug. 19; Serial No. 497,510; published May 6, 1947. Class 22.

Toledo Scale Company, to Toledo Scale Company, Toledo, Ohio. Weighing scales, weighing machines, accounting machines, etc. 224,940; renewed Mar. 8, 1947. O. G. Aug. 19. Class 26.

Tomlinson of High Point, High Point, N. C. Articles of furniture. 432,202; Aug. 19. Class 32.

Transvision Inc., New Rochelle, N. Y. Television transmitting sets and/or television receiving sets. 432,111; Aug. 19; Serial No. 510,625; published May 13, 1947. Class 21.

Tyree, J. S., Chemist, Inc., Washington, D. C. Dentifrices and liquid dentifrices. 229,987; renewed July 12, 1947. O. G. Aug. 19. Class 6.

Udylite Corporation, The: *See*—
Udylite Process Company.

Udylite Process Company, Kokomo, Ind., to The Udylite Corporation, Detroit, Mich. Materials for cadmium plating. 229,519; renewed June 28, 1947. O. G. Aug. 19. Class 6.

Ullman Products Corporation, Brooklyn, N. Y. Permanent magnets. 432,122; Aug. 19; Serial No. 513,004; published May 27, 1947. Class 21.

Uncle Jo Company, Fort Worth, Tex. Nonalcoholic carbonated beverages. 432,137; Aug. 19. Class 45.

Underground Specialties, Inc., New York, N. Y. Multilayer rubber insulation sheet members. 432,203; Aug. 19. Class 21.

Union Condensed Milk Company: *See*—
American Milk Product Co.

Union Oil Company, Providence, R. I., to Lever Brothers Company, Cambridge, Mass. Cotton-seed oils. 60,296; re-renewed Feb. 5, 1947. O. G. Aug. 19. Class 46.

Universal Clay Products Company, The, Sandusky, Ohio. Electrical insulators. 432,107; Aug. 19; Serial No. 508,758; published May 27, 1947. Class 21.

Universal Milk Company, The, New York, N. Y., to The Universal Milk Company, Dover, Del. Condensed milk. 225,838; renewed Mar. 29, 1947. O. G. Aug. 19. Class 46.

Van Ameringen, Arnold L., to van Ameringen-Haebler, Inc., New York, N. Y. Perfumes, essences of perfumes, essences for perfumery materials, etc. 229,950; renewed July 12, 1947. O. G. Aug. 19. Class 6.

Van Ameringen, Arnold L., to van Ameringen-Haebler, Inc., New York, N. Y. Natural and synthetic essential oils. 230,168; renewed July 12, 1947. O. G. Aug. 19. Class 6.

Van Ameringen-Haebler, Inc.: *See*—
Van Ameringen, Arnold L.

Vandam, Albert H., Co., Inc., assignor, by mesne assignments, to D. B. Fuller & Co., Inc., New York, N. Y. Ladies', misses', and girls' dresses, blouses, playsuits, etc. 432,141; Aug. 19. Class 39.

Vintage Wines, Inc., New York, N. Y. Wines. 432,165; Aug. 19. Class 47.

Virginia-Carolina Chemical Company, Jersey City, N. J., Richmond and Norfolk, Va., Charleston, S. C., Savannah and Atlanta, Ga., Montgomery, Ala., Durham, N. C., and Memphis, Tenn., to The American Agricultural Chemical Company, New York, N. Y. Fertilizers. 61,315; re-renewed Mar. 12, 1947. O. G. Aug. 19. Class 10.

Waddell and Son, Lindsay, Calif. Fresh citrus fruits. 432,057; Aug. 19; Serial No. 484,764; published Feb. 11, 1947. Class 46.

Wahl, Martin C., El Centro, Calif. Fresh cantaloupes and fresh vegetables. 229,855; renewed July 5, 1947. O. G. Aug. 19. Class 46.

Washington Manufacturing Co., Nashville, Tenn. Work shirts, overalls, and work pants. 224,141; renewed Feb. 22, 1947. O. G. Aug. 19. Class 39.

Weil, Lewis P., Germantown, Pa. Electric nursery lamps. 432,112; Aug. 19; Serial No. 510,819; published May 27, 1947. Class 21.

Wells Flour Milling Company, Wells, Minn., to International Milling Company, Wilmington, Del. Wheat-flour. 61,915–16; re-renewed Apr. 9, 1947. O. G. Aug. 19. Class 46.

Westcott Rule Company, Incorporated, Seneca Falls, N. Y. Desk rulers. 229,767; renewed July 5, 1947. O. G. Aug. 19. Class 26.

Western Paper Goods Co., The, Cincinnati, Ohio. Correspondence envelopes and printing paper. 432,191; Aug. 19. Class 37.

Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., now by change of name Westinghouse Electric Corporation. Metal hardening electric furnaces and ammonia dissociators. 432,055; Aug. 19; Serial No. 462,383; published Apr. 8, 1947. Class 21.

West Penn Cement Company, Butler, Pa. Cement. 229,241; renewed June 21, 1947. O. G. Aug. 19. Class 12.

White-Haines Optical Company, The, Columbus, Ohio. Spectacle frames. 230,098; renewed July 12, 1947. O. G. Aug. 19. Class 26.

Whitehall Pharmacal Company: *See*—
Larned Company, The.
Manhattan Medicine Co.

Wilkening Manufacturing Company, Philadelphia, Pa. Toy. 432,120; Aug. 19; Serial No. 512,944; published May 6, 1947. Class 22.

Willys-Overland Company, The, to Willys-Overland Motors, Inc., Toledo, Ohio. Passenger-carrying automobiles. 228,146; renewed May 24, 1947. O. G. Aug. 19. Class 19.

Willys-Overland Motors, Inc.: *See*—
Willys-Overland Company.

Wilson, H. A., Company, The, Newark, N. J. Contacts for electrical circuits. 432,121; Aug. 19; Serial No. 512,946; published May 27, 1947. Class 21.

Winco Distributing Company: *See*—
Kubatzky, Woodrow P.

Wolf, Jacques, & Co., Clifton, N. J. Calcium carragheen sulfate. 432,170; Aug. 19. Class 6.

Woodward, John G., & Co., (Inc.), Council Bluffs, Iowa, to F & F Laboratories, Inc., Chicago, Ill. Candy. 228,295; renewed May 31, 1947. O. G. Aug. 19. Class 46.

Worumbo Manufacturing Company, Bath, Maine, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 228,745; renewed June 7, 1947. O. G. Aug. 19. Class 42.

Wright, William E., & Sons Company, Orange, N. J., to William E. Wright & Sons Company, West Warren, Mass. Bias-fold tapes and trimmings of fabrics. 229,766; renewed July 5, 1947. O. G. Aug. 19. Class 40.

Yale & Towne Manufacturing Company, The: *See*—
Yale & Towne Mfg. Co., The.

Yale & Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Company, New York, N. Y. Locks and keys. 63,654; re-renewed July 2, 1947. O. G. Aug. 19. Class 25.

Youngs Rubber Corporation: *See*—
Youngs Rubber Corporation, Inc.

Youngs Rubber Corporation, Inc., to Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 229,993; renewed July 12, 1947. O. G. Aug. 19. Class 44.

Zippo Manufacturing Company, Bradford, Pa. Flints for pyrophoric type lighters. 432,131; Aug. 19; Serial No. 516,805; published May 27, 1947. Class 34.

Zulli, Walter J., to Easy Washing Machine Corporation, Syracuse, N. Y. Washing-machines. 61,797; re-renewed Apr. 2, 1947. O. G. Aug. 19. Class 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Graphite. Joseph Dixon Crucible Company. 62,784; re-renewed May 28, 1947. O. G. Aug. 19.

Graphite. Joseph Dixon Crucible Company. 62,977; re-renewed June 4, 1947. O. G. Aug. 19.

Grass-seed, timothy-seed, grain-seed, etc. Albert Dickinson Company. 61,431; re-renewed Mar. 19, 1947. O. G. Aug. 19.

Grass-seeds, grain-seeds, timothy-seed, and clover-seed. Albert Dickinson Company. 61,692; re-renewed Apr. 2, 1947. O. G. Aug. 19.

Grass-seeds, grain-seeds, timothy-seed, etc. Albert Dickinson Company. 61,430; re-renewed Mar. 19, 1947. O. G. Aug. 19.

Seeds, Farm and grass. Albert Dickinson Company. 226,951; renewed Apr. 26, 1947. O. G. Aug. 19.

Timothy-seed. Albert Dickinson Company. 60,321; re-renewed Feb. 5, 1947. O. G. Aug. 19.

CLASS 2

Wire, oil cans, milk-cans, etc., Barbed. Kelley-How-Thomson Co. 63,499; re-renewed June 25, 1947. O. G. Aug. 19.

CLASS 4

Cleansing, polishing, or scouring preparation. Lever Brothers Company. 60,261; re-renewed Feb. 5, 1947. O. G. Aug. 19.

Detergent and washing powders. N. K. Fairbank Company. 30,115; re-renewed June 1, 1947. O. G. Aug. 19.

Detergent and washing powders. N. K. Fairbank Company. 30,219; re-renewed June 15, 1947. O. G. Aug. 19.

Polishes and shoe creams, Shoe. George Brothers Mfg. Co. 228,051; renewed May 24, 1947. O. G. Aug. 19.

Shaving stick and shaving soap. Colgate & Company. 228,517; renewed June 7, 1947. O. G. Aug. 19.

Soap. N. K. Fairbank Company. 62,357; re-renewed Apr. 30, 1947. O. G. Aug. 19.

Soap. N. K. Fairbank Company. 63,626; re-renewed July 2, 1947. O. G. Aug. 19.

Soap. Lever Brothers Company. 61,633; re-renewed Apr. 2, 1947. O. G. Aug. 19.

Soap. Procter & Gamble Company. 225,057; renewed Mar. 8, 1947. O. G. Aug. 19.

Soap, Flakes and powdered. Los Angeles Soap Company. 229,360; renewed June 28, 1947. O. G. Aug. 19.

Soap, Oil. Phoenix Oil Company. 225,781; renewed Mar. 22, 1947. O. G. Aug. 19.

Soap, soap powder, soap flour, etc. Fitzpatrick Bros. 229,468; renewed June 28, 1947. O. G. Aug. 19.

Soap, Toilet. Bourjois, Inc. 229,493; renewed June 28, 1947. O. G. Aug. 19.

Soaps. Colgate & Co. 63,219; re-renewed June 11, 1947. O. G. Aug. 19.

Soaps, Perfumed fancy. A. & F. Pears Lim'd. 62,384; re-renewed May 7, 1947. O. G. Aug. 19.

Stove-polish. Joseph Dixon Crucible Company. 62,976; re-renewed June 4, 1947. O. G. Aug. 19.

Washing or soap powder. N. K. Fairbank Company. 60,074; re-renewed Jan. 29, 1947. O. G. Aug. 19.

CLASS 5

Glue. Swift and Company. 223,781; renewed Feb. 8, 1947. O. G. Aug. 19.

CLASS 6

Antiseptic preparation. McKesson & Robbins. 59,788; re-renewed Jan. 15, 1947. O. G. Aug. 19.

Bitters. Foster-Milburn Company. 63,417; re-renewed June 18, 1947. O. G. Aug. 19.

Borax and boric acid. American Potash & Chemical Corporation. 230,161; renewed July 12, 1947. O. G. Aug. 19.

Calcium carragheen sulfate. Jacques Wolf & Co. 432,170; Aug. 19.

Chlorid of ethyl. H. H. Fries. 63,705; re-renewed July 2, 1947. O. G. Aug. 19.

Cream, cleansing cream, tissue cream, and skin lotion, Eye. E. G. Clark. 432,152; Aug. 19.

Cream, Dental. Colgate & Company. 229,287; renewed June 21, 1947. O. G. Aug. 19.

Cream, night cream, texture cream, Tissue. Alma Raye Cosmetic Company. 432,159; Aug. 19.

Dentifrices and liquid dentifrices. J. S. Tyree, Chemist, Inc. 229,987; renewed July 12, 1947. O. G. Aug. 19.

Deodorant. A. Mirenta & Company, Inc. 228,388; renewed May 31, 1947. O. G. Aug. 19.

Dye-stuffs. E. I. du Pont de Nemours and Company. 227,749; renewed May 17, 1947. O. G. Aug. 19.

Exterminator, Rat and roach. Stearns Electric Paste Co. 63,294; re-renewed June 11, 1947. O. G. Aug. 19.

Foot bath, Effervescent. S. Klein. 432,171; Aug. 19.

Foot cream. Guaranteed Products, Inc. 222,407; renewed Jan. 4, 1947. O. G. Aug. 19.

Foot powder. Mahlena Products, Incorporated. 432,188; Aug. 19.

Glycerin, sweet oil, camphorated oil, etc. Hallock-Denton Co. 230,143; renewed July 12, 1947. O. G. Aug. 19.

Herb remedy, Internal. Alonzo O. Bliss Medical Company. 229,533; renewed June 28, 1947. O. G. Aug. 19.

Insecticides. Antrol Laboratories, Inc. 225,488; renewed Mar. 22, 1947. O. G. Aug. 19.

Materials for cadmium plating. Udylite Process Company. 229,519; renewed June 28, 1947. O. G. Aug. 19.

Medicinal preparation. Larned Company. 224,925; renewed Mar. 8, 1947. O. G. Aug. 19.

Medicinal preparation. McKesson & Robbins. 59,757; re-renewed Jan. 15, 1947. O. G. Aug. 19.

Oils, Natural and synthetic essential. A. L. van Ameringen. 230,168; renewed July 12, 1947. O. G. Aug. 19.

Pepto-bismol; a liquid demulcent preparation. Norwich Pharmacal Company. 224,993; renewed Mar. 8, 1947. O. G. Aug. 19.

Perfumes and toilet waters, Liquid and powder. Colgate & Co. 63,264; re-renewed June 11, 1947. O. G. Aug. 19.

Perfumes, essences of perfumes, essences for perfumery materials, etc. A. L. van Amerigen. 229,950; renewed July 12, 1947. O. G. Aug. 19.

Preparation for exterminating moths. Peerless Products Co. 223,015; renewed Jan. 11, 1947. O. G. Aug. 19.

Preparation of alkaline salts. Fairchild Bros. & Foster. 229,912; renewed July 12, 1947. O. G. Aug. 19.

Products for use in medicine and pharmacy, disinfectants, and perfumes. F. Hoffman-La Roche & Cie. 29,994; re-renewed May 11, 1947. O. G. Aug. 19.

Remedies for torpid liver, biliousness, constipation, etc. Dr. Miles Medical Company. 61,728; re-renewed Apr. 2, 1947. O. G. Aug. 19.

Remedy for diseased conditions of the blood, the liver, etc. Manhattan Medicine Co. 61,257; re-renewed Mar. 12, 1947. O. G. Aug. 19.

Salve. Aschenbach & Miller, Inc. 59,552; re-renewed Jan. 8, 1947. O. G. Aug. 19.

Salves. Bickman Gall Cure Company. 30,113; re-renewed June 1, 1947. O. G. Aug. 19.

Shampoo. A. H. Cathcart & James S. Thompson Company. 229,678; renewed July 5, 1947. O. G. Aug. 19.

Shampoo. Elmo Sales Corporation. 432,161; Aug. 19.

Soda. Los Angeles Soap Company. 228,991; renewed June 14, 1947. O. G. Aug. 19.

Toilet articles. Les Parfums De Rosine, Inc. 225,834; renewed Mar. 29, 1947. O. G. Aug. 19.

Toilet articles. Les Parfums De Rosine, Inc. 226,404; renewed Apr. 5, 1947. O. G. Aug. 19.

Toilet articles. Les Parfums De Rosine, Inc. 226,406; renewed Apr. 5, 1947. O. G. Aug. 19.

Toilet preparations for use on the skin. Marinello Company. 222,965; renewed Jan. 11, 1947. O. G. Aug. 19.

Tonic, hair dressing, and eau de quinine, Hair. Odell Company, Inc. 229,378; renewed June 28, 1947. O. G. Aug. 19.

CLASS 9

Explosives and blasting supplies, High. Eastern Dynamite Company. 622,480; re-renewed May 7, 1947. O. G. Aug. 19.

CLASS 10

Fertilizer. Schrock Bros. Co. 432,205; Aug. 19.
Fertilizer. Swift and Company. 228,204; renewed May 24, 1947. O. G. Aug. 19.
Fertilizers. Ashepoo Fertilizer Company. 61,504; re-renewed Mar. 26, 1947. O. G. Aug. 19.
Fertilizers. Virginia-Carolina Chemical Company. 61,315; re-renewed Mar. 12, 1947. O. G. Aug. 19.

CLASS 12

Board and lumber, Composite. MacAndrews & Forbes Company. 229,304; renewed June 21, 1947. O. G. Aug. 19.
Building blocks, Concrete. Major Industries Co., Inc. 432,124; Aug. 19; Serial No. 513,568; published May 13, 1947.
Cement. Arco Company. 227,551; renewed May 10, 1947. O. G. Aug. 19.
Cement. West Penn Cement Company. 229,241; renewed June 21, 1947. O. G. Aug. 19.
Cement, Portland. North American Cement Corporation. 228,241–2; renewed May 24, 1947. O. G. Aug. 19.
Concrete, Refractory. Babcock & Wilcox Company. 432,130; Aug. 19; Serial No. 516,525; published May 13, 1947.
Construction materials, Steel. Kaiser Company, Inc. 432,138; Aug. 19.
Doors, Flush. Perma Board Corporation. 432,116; Aug. 19; Serial No. 512,200; published May 27, 1947.
Doors, Sectional overhead. Howell Products, Inc. 432,123; Aug. 19; Serial No. 513,181; published May 27, 1947.
Insulating material, Thermal. Keystone Roofing Manufacturing Company. 432,099; Aug. 19; Serial No. 506,240; published May 27, 1947.
Mortar-colorings. Samuel H. French & Co. 59,972; re-renewed Jan. 22, 1947. O. G. Aug. 19.
Mouldings. Decorite, Inc. 432,082; Aug. 19; Serial No. 497,995; published Aug. 20, 1946.
Sash and screens, Metal window. H. A. Kammerer, Inc. 432,125; Aug. 19; Serial No. 513,661; published May 13, 1947.
Screens, Window. National Screen Company, Inc. 432,109; Aug. 19; Serial No. 509,235; published May 13, 1947.
Siding, Asbestos. Southern States Iron Roofing Company. 432,179; Aug. 19.
Wall boards, Pressed wood fiber. Superior Wall Products Co. 432,160; Aug. 19.
Water-proofing compounds. Dri-Zone Corporation. 432,106; Aug. 19; Serial No. 508,588; published May 27, 1947.

CLASS 13

Brackets. M. A. Casey. 432,097; Aug. 19; Serial No. 505,949; published May 27, 1947.
Fasteners, Separable slide. Crown Fastener Corporation. 432,105; Aug. 19; Serial No. 508,102; published May 6, 1947.
Flower arranger. A. M. Gardner. 432,081; Aug. 19; Serial No. 497,931; published May 27, 1947.
Hardware, Overhead door mounting. Tavart Company, Ltd. 432,103; Aug. 19; Serial No. 506,972; published Mar. 4, 1947.
Lawn sprinklers. Rieger Manufacturing Co. 432,060; Aug. 19; Serial No. 489,988; published Apr. 8, 1947.
Lock nuts. D. D. Polizzi. 432,087; Aug. 19; Serial No. 502,008; published May 27, 1947.
Metal fixture. Jim Brown's Toy Company. 432,089; Aug. 19; Serial No. 503,421; published May 27, 1947.
Pipe and metallic pipe fittings, Metallic. Process Equipment Engineers, Inc. 432,077; Aug. 19; Serial No. 497,495; published May 27, 1947.
Receptacles for household use. Chicago Flexible Shaft Company. 432,059; Aug. 19; Serial No. 488,198; published Apr. 29, 1947.
Sprinklers, Lawn. Chicago Flexible Shaft Company. 432,058; Aug. 19; Serial No. 488,192; published Apr. 29, 1947.
Strainers, base metal bake pans, and cooking hollow ware. Ekco Products Company. 432,093; Aug. 19; Serial No. 504,610; published May 27, 1947.
Strainers, base metal bake pans and cooking hollow ware, Kitchen. Ekco Products Company. 432,092; Aug. 19; Serial No. 504,608; published May 27, 1947.
Tools, Kitchen. Ekco Products Company. 432,101; Aug. 19; Serial No. 506,587; published May 27, 1947.
Valve mechanisms. Bendix Aviation Corporation. 432,056; Aug. 19; Serial No. 477,053; published Mar. 11, 1947.
Wire, oil cans, milk-cans, etc., Barbed. Kelley-How-Thomson Co. 63,499; re-renewed June 25, 1947. O. G. Aug. 19.

CLASS 15

Illuminating-oil. National Refining Company. 63,966; re-renewed July 16, 1947. O. G. Aug. 19.
Lubricating-oils. Atlantic Refining Company. 61,283; re-renewed Mar. 12, 1947. O. G. Aug. 19.
Oil. G. W. Cole Company. 61,545–6; re-renewed Mar. 26, 1947. O. G. Aug. 19.

CLASS 16

Article for removing paint, oil, varnishes, etc. Harrison Bros. & Co. 29,411–12; re-renewed Jan. 5, 1947. O. G. Aug. 19.
Lacquers. Arco Company. 229,122; renewed June 21, 1947. O. G. Aug. 19.
Paint. Joseph Dixon Crucible Company. 62,783; re-renewed May 28, 1947. O. G. Aug. 19.
Paint enamels, paint and varnish thinners, and lacquers. Acme White Lead & Color Works. 225,592; renewed Mar. 22, 1947. O. G. Aug. 19.
Paint, Mixed. J. F. Kurfees Paint Company, Incorporated. 229,489–90; renewed June 28, 1947. O. G. Aug. 19.
Paints in dry, paste, or ready-mixed form, etc. Lowe Brothers Company. 432,091; Aug. 19; Serial No. 504,188; published Apr. 1, 1947.
Paints, paint enamels, and lacquers, Dry, paste and ready-mixed. Detroit White Lead Works. 223,858; renewed Feb. 15, 1947. O. G. Aug. 19.
Polish, Piano and furniture. Ivers & Pond Piano Co. 219,243; renewed Oct. 12, 1946. O. G. Aug. 19.
Varnish, japan, filler, etc. J. F. Kurfees Paint Company, Incorporated. 228,326; renewed May 31, 1947. O. G. Aug. 19.

CLASS 17

Cigarettes. S. S. Pierce Co. 229,043; renewed June 21, 1947. O. G. Aug. 19.

CLASS 19

Automobiles and structural parts thereof. Studebaker Corporation. 229,607; renewed July 5, 1947. O. G. Aug. 19.
Automobiles, Passenger-carrying. Willys-Overland Company. 228,148; renewed May 24, 1947. O. G. Aug. 19.

CLASS 21

Apparatus for the control of electric energy. Allen-Bradley Company. 432,065; Aug. 19; Serial No. 494,644; published May 13, 1947.
Batteries, Dry cell. General Dry Batteries, Inc. 432,118; Aug. 19; Serial No. 512,250; published May 27, 1947.
Brushes. Morgan Crucible Company Limited. 57,382; re-renewed Nov. 13, 1946. O. G. Aug. 19.
Condenser assemblies and parts thereof, Electrical. Erie Resistor Corporation. 432,083; Aug. 19; Serial No. 498,760; published Mar. 25, 1947.
Contacts for electrical circuits. H. A. Wilson Company. 432,121; Aug. 19; Serial No. 512,946; published May 27, 1947.
Electrical insulators. Universal Clay Products Company. 432,107; Aug. 19; Serial No. 508,758; published May 27, 1947.
Electrical phonographs and radio receiving sets and radio transmitting sets. Remington Radio Corp. 432,151; Aug. 19; Serial No. 508,758; published May 27, 1947.
Furnaces and ammonia dissociators, Metal hardening electric. Westinghouse Electric & Manufacturing Company. 432,055; Aug. 19; Serial No. 462,383; published Apr. 8, 1947.
Insulated electric wires and cables. General Cable Corporation. 432,119; Aug. 19; Serial No. 512,663; published May 27, 1947.
Insulation sheet members, Multi-layer rubber. Underground Specialties, Inc. 432,203; Aug. 19.
Irons, electric. Associated Merchandising Corporation. 432,115; Aug. 19; Serial No. 511,856; published May 27, 1947.
Lamps, Electric nursery. L. P. Weil. 432,112; Aug. 19; Serial No. 510,819; published May 27, 1947.
Light fixtures, Electric. Grover Photo Products. 432,114; Aug. 19; Serial No. 511,148; published May 27, 1947.
Lights for automobiles, Back-up. Teleoptic Company. 432,063; Aug. 19; Serial No. 492,592; published May 13, 1947.
Magnets, Permanent. Ullman Products Corporation. 432,122; Aug. 19; Serial No. 513,004; published May 27, 1947.
Mixing equipment, Electrically-operated. Mixing Equipment Co., Inc. 227,991; renewed May 17, 1947. O. G. Aug. 19.
Rosettes. General Electric Company. 60,523; re-renewed Feb. 12, 1947. O. G. Aug. 19.
Sound equipment. David Bogen Co., Inc. 432,144; Aug. 19.
Sound recordings of the magnetized wire type. L. J. Arms. 432,149; Aug. 19.
Space heaters, Electric. Ace Engineering and Machine Co., Inc. 432,113; Aug. 19; Serial No. 510,921; published May 27, 1947.
Speed controls, Adjustable electronic. Electric Machinery Mfg. Company. 432,108; Aug. 19; Serial No. 509,143; published May 13, 1947.
Storage-battery terminals, plugs, screws, etc. Imperial Brass Manufacturing Company. 229,206; renewed June 21, 1947. O. G. Aug. 19.
Tape, non-metallic sheaths and insulation, Non-metallic. Okonite Company. 432,088; Aug. 19; Serial No. 503,319; published May 27, 1947.

Television transmitting sets and/or television receiving sets. Transvision Inc. 432,111; Aug. 19; Serial No. 510,625; published May 13, 1947.
Transformers, Variable. Gyco Instruments, Inc. 432,090; Aug. 19; Serial No. 503,725; published May 6, 1947.
Tubes, Radio vacuum. P. D. Jackson. 226,115; renewed Mar. 29, 1947. O. G. Aug. 19.
Welding machines, Resistance. Precision Welder and Machine Company. 432,196; Aug. 19.
Wire recording and reproducing apparatus and wire spools, etc., Magnetic. C. G. Conn Ltd. 432,062; Aug. 19; Serial No. 492,311; published May 13, 1947.
Wires or conductors, Insulated electric. Acorn Insulated Wire Company, Inc. 432,064; Aug. 19; Serial No. 492,881; published May 27, 1947.

CLASS 22

Dolls. Ideal Novelty & Toy Co. 229,836; renewed July 5, 1947. O. G. Aug. 19.
Dolls and dolls' clothes. D. Ippolito. 432,067–8; Aug. 19; Serial Nos. 496,793–4; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,069; Aug. 19; Serial No. 496,808; published May 13, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,070; Aug. 19; Serial No. 496,810; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,071; Aug. 19; Serial No. 496,812; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,072; Aug. 19; Serial No. 496,814; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,073; Aug. 19; Serial No. 496,828; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,074; Aug. 19; Serial No. 496,833; published May 6, 1947.
Dolls and dolls' clothes. D. Ippolito. 432,075; Aug. 19; Serial No. 496,840; published May 6, 1947.
Doll carriages. I. Brodsky. 432,079; Aug. 19; Serial No. 497,526; published May 6, 1947.
Fish lures and fish baiting devices. Martin Fish Lure Co. 432,061; Aug. 19; Serial No. 490,679; published May 6, 1947.
Fish lures, Artificial. Electronic Units, Inc. 432,096; Aug. 19; Serial No. 505,812; published May 6, 1947.
Fishing line. Enterprise Manufacturing Company. 227,409; renewed May 3, 1947. O. G. Aug. 19.
Fishing reels. Enterprise Manufacturing Company. 229,914; renewed July 12, 1947. O. G. Aug. 19.
Game. F. A. Johnston, Jr., and Associates, Inc. 432,129; Aug. 19; Serial No. 516,190; published May 6, 1947.
Games, Card. E. F. Klauber. 432,127; Aug. 19; Serial No. 515,352; published May 6, 1947.
Toy. Wilkening Manufacturing Company. 432,120; Aug. 19; Serial No. 512,944; published May 6, 1947.
Toy and model airplanes. Minicrafters of Baltimore. 432,076; Aug. 19; Serial No. 497,399; published May 6, 1947.
Toy merry-go-rounds. Thrilloplane Company. 432,078; Aug. 19; Serial No. 497,510; published May 6, 1947.
Toy scooters. American Metalcraft Corporation. 432,128; Aug. 19; Serial No. 515,358; published May 6, 1947.

CLASS 23

Cleaning machines, and metal-parts-cleaning machines, Dish, silver, and glass. Colt's Patent Fire Arms Manufacturing Company. 223,173; renewed Jan. 18, 1947. O. G. Aug. 19.
Files and rasps. Henry Disston & Sons, Incorporated. 61,499; re-renewed Mar. 26, 1947. O. G. Aug. 19.
Hammers, screw drivers, and shovels. Kelley-How-Thomson Co. 63,396; re-renewed June 18, 1947. O. G. Aug. 19.
Knives, razors, scissors, etc., Pocket. Kelley-How-Thomson Co. 63,395; re-renewed June 18, 1947. O. G. Aug. 19.
Lubricators. J. R. Battle. 222,925; renewed Jan. 11, 1947. O. G. Aug. 19.
Material-handling apparatus. Galion Iron Works & Mfg. Co. 223,949; renewed Feb. 15, 1947. O. G. Aug. 19.
Mowers, Lawn. Best Manufacturing & Equipment Company. 432,110; Aug. 19; Serial No. 509,690; published May 6, 1947.
Mowers, Lawn. Kelley-How-Thomson Co. 63,500; re-renewed June 25, 1947. O. G. Aug. 19.
Nut-wrench sets, socket-wrench sets, ratchet-handle wrenches, etc. Indestro Mfg. Co. 229,445; renewed June 28, 1947. O. G. Aug. 19.
Planes, Hand. Stanley Works. 230,038; renewed July 12, 1947. O. G. Aug. 19.
Pliers. Hammel Riglander & Co. 62,997; re-renewed June 4, 1947. O. G. Aug. 19.
Printing equipment. Barney & Gegenheimer. 225,937; renewed Mar. 29, 1947. O. G. Aug. 19.
Razors and razor blades, Safety. Magazine Repeating Razor Company. 224,639; renewed Mar. 1, 1947. O. G. Aug. 19.
Saws. Henry Disston & Sons, Incorporated. 60,357; re-renewed Feb. 5, 1947. O. G. Aug. 19.
Sewing machines. Kelley-How-Thomson Co. 63,398; re-renewed June 18, 1947. O. G. Aug. 19.
Slitting machines. Charles Koegel's Sons, Inc. 230,064; renewed July 12, 1947. O. G. Aug. 19.
Spoons, forks, sugar-shells, etc., Solid nickel, solid silver, and silver-plated. American Silver Company. 60,593; re-renewed Feb. 12, 1947. O. G. Aug. 19.
Taps, die blocks, hobs, thread-rolling dies, etc. John Bath & Company, Inc. 226,623; renewed Apr. 12, 1947. O. G. Aug. 19.

CLASS 24

Washboards. American Washboard Company. 62,794; re-renewed May 28, 1947. O. G. Aug. 19.
Washing-machines. W. J. Zulli. 61,797; re-renewed Apr. 2, 1947. O. G. Aug. 19.
Washing machines, wash tubs, wash boilers, etc. Kelley-How-Thomson Co. 63,397; re-renewed June 18, 1947. O. G. Aug. 19.

CLASS 25

Locks and keys. Yale & Towne Mfg. Co. 63,654; re-renewed July 2, 1947. O. G. Aug. 19.

CLASS 26

Frames, Spectacle. White-Haines Optical Company. 230,098; renewed July 12, 1947. O. G. Aug. 19.
Rulers, Desk. Westcott Rule Company, Incorporated. 229,767; renewed July 5, 1947. O. G. Aug. 19.
Scales, weighing machines, counting machines, etc., Weighing. Toledo Scale Company. 224,940; renewed Mar. 8, 1947. O. G. Aug. 19.

CLASS 27

Fittings, watches, and watch cases, Watch. Montal Watch Fittings Limited. 432,184; Aug. 19.
Watches. J. Kuris. 432,204; Aug. 19.

CLASS 28

Pearls, pearl necklaces, brooches, etc. Cohn & Rosenberger, Inc. 228,716; renewed June 7, 1947. O. G. Aug. 19.
Solid nickel, solid silver, and silver-plated spoons, forks, sugar-shells, etc. American Silver Company. 60,593; re-renewed Feb. 12, 1947. O. G. Aug. 19.

CLASS 29

Brushes, Paint. Art & Sign Brush Manufacturing Corporation. 432,166; Aug. 19.

CLASS 30

China for domestic and household purposes. Geo. Borgfeldt & Co. 63,524; re-renewed June 25, 1947. O. G. Aug. 19.

CLASS 32

Bed legs, Detachable Hollywood. C. B. Colson. 432,176; Aug. 19.
Cabinets, Phonograph record. Columbia Industries. 432,094; Aug. 19; Serial No. 504,747; published Mar. 18, 1947.
Cabinets, Visible record. Acme Visible Records, Inc. 432,100; Aug. 19; Serial No. 506,567; published May 13, 1947.
Desk and chest, Combination. Cavalier Corporation. 432,104; Aug. 19; Serial No. 507,234; published May 27, 1947.
Furniture. John Parks Newsome, Inc. 432,066; Aug. 19; Serial No. 496,457; published May 27, 1947.
Furniture, Articles of. Tomlinson of High Point. 432,202; Aug. 19.
Stands, Display. Florist's Foil Bank Manufacturing Company. 432,095; Aug. 19; Serial No. 505,693; published May 13, 1947.
Wardrobes. Forrest Addition. 224,690; renewed Mar. 1, 1947. O. G. Aug. 19.

CLASS 33

Tumblers, glasses, glass bottles, etc. Capstan Glass Company. 228,353; renewed May 31, 1947. O. G. Aug. 19.

CLASS 34

Burners, Domestic and industrial oil. R. W. Beckett Engineering Company. 432,117; Aug. 19; Serial No. 512,230; published May 13, 1947.
Flints for pyrophoric type lighters. Zippo Manufacturing Company. 432,131; Aug. 19; Serial No. 516,805; published May 27, 1947.
Grills, Portable folding barbecue. Loffredo Equipment, Inc. 432,177; Aug. 19.
Lenses for automobile headlights. Hazelite, Inc. 432,126; Aug. 19; Serial No. 513,886; published May 13, 1947.
Lighters, Catalytic cigarette. M. G. Beck. 432,098; Aug. 19; Serial No. 506,086; published Feb. 25, 1947.
Lighters, Frictionally operated pyrophoric cigar. Automatic Metal Products Corporation. 432,080; Aug. 19; Serial No. 497,693; published May 13, 1947.
Stoves and ranges. Kelley-How-Thomson Co. 63,335; re-renewed June 18, 1947. O. G. Aug. 19.
Ventilators, Baffle type window. W. P. Kubatzky. 432,132; Aug. 19; Serial No. 516,988; published May 27, 1947.

CLASS 35

Belting, packing, hose, and woven cotton-and-rubber hose. Rubber. Diamond Rubber Co. 59,632–4; re-renewed Jan. 15, 1947. O. G. Aug. 19.
Brake linings, asbestos brake blocks, asbestos clutch facings, etc., Asbestos. Asbestos Manufacturing Co. 227,361; renewed May 3, 1947. O. G. Aug. 19.
Tires and tubes, camelback for retreading and recapping tires, etc., Non-metallic. Mohawk Rubber Company. 432,102; Aug. 19; Serial No. 506,764; published May 27, 1947.

CLASS 36

Hearing tubes. Dictaphone Corporation. 224,070; renewed Feb. 15, 1947. O. G. Aug. 19.
Musical instruments. International Musical Corporation. 227,835; renewed May 17, 1947. O. G. Aug. 19.
Violin and cello strings. Simson & Frey, Inc. 229,228; renewed June 21, 1947. O. G. Aug. 19.

CLASS 37

Blank-books, checks, letter-heads, etc. Levey Brothers & Company. 59,853; re-renewed Jan. 22, 1947. O. G. Aug. 19.
Diaries. Standard Diary Company. 227,728; renewed May 17, 1947. O. G. Aug. 19.
Envelopes and printing paper, Correspondence. Western Paper Goods Co. 432,191; Aug. 19.
Paper, toilet tissue paper, heavy crepe paper, etc. Saranac Pulp & Paper Company, Inc. 223,973; renewed Feb. 15, 1947. O. G. Aug. 19.
Pencils. Joseph Dixon Crucible Company. 63,119; re-renewed June 4, 1947. O. G. Aug. 19.
Pencils. Joseph Dixon Crucible Company. 226,182; renewed Apr. 5, 1947. O. G. Aug. 19.
Pencils, Lead and crayon. Joseph Dixon Crucible Company. 63,498; re-renewed June 25, 1947. O. G. Aug. 19.
Pencils, Lead and crayon. Joseph Dixon Crucible Company. 63,528; re-renewed June 25, 1947. O. G. Aug. 19.
Pens, Fountain. Reynolds International Pen Company. 432,155; Aug. 19.
Tablets, school tablets, composition books, etc., Writing. Osborn Paper Company. 226,935; renewed Apr. 26, 1947. O. G. Aug. 19.

CLASS 38

Books, Narrative and story. L. C. Page & Company, (Inc.) 59,826; re-renewed Jan. 22, 1947. O. G. Aug. 19.
Cartoons. King Features Syndicate, Inc. 222,508; renewed Jan. 4, 1947. O. G. Aug. 19.
Magazine. Smith Brothers Publishers, Inc. 228,895; renewed June 14, 1947. O. G. Aug. 19.
Newspaper, Monthly. Successful Farming Publishing Company. 61,626; re-renewed Mar. 26, 1947. O. G. Aug. 19.
Periodical. Railway Equipment and Publication Co. 225,187; renewed Mar. 15, 1947. O. G. Aug. 19.

CLASS 39

Apparel, Women's. Shirley Modes, Inc. 229,740; renewed July 5, 1947. O. G. Aug. 19.
Blouses for girls. Jane Carter, Inc. 432,086; Aug. 19; Serial No. 501,713; published Mar. 4, 1947.
Blouses, Girls' and misses'. Gleitsman, Chopp & Sadowsky, Inc. 432,195; Aug. 19.
Blouses, Ladies' and children's. Fascinator Blouse Co., Inc. 432,201; Aug. 19.
Blouses, outer skirts, jackets, etc., Misses' and girls'. Sport Miss, Inc. 432,186; Aug. 19.
Blouses, Women's. R. Goldman. 432,181; Aug. 19.
Boots and lumbermen's socks, Wool. Mishawaka Woolen Manufacturing Company. 29,476; re-renewed Jan. 19, 1947. O. G. Aug. 19.
Boots and shoes. Endicott-Johnson Company. 63,468; re-renewed June 25, 1947. O. G. Aug. 19.
Boots, Wool. Mishawaka Woolen Manufacturing Company. 29,878; re-renewed Apr. 20, 1947. O. G. Aug. 19.
Brassières, corsets, bathing suits, etc. E. W. McNamara. 432,133; Aug. 19.
Clothing, Men's. A. Sagner's Son. 432,173; Aug. 19.
Clothing, Men's and boys'. Jacob Siegel Company. 432,158; Aug. 19.
Clothing, wool and cotton jacket style, Leather. D. J. Stolman. 432,156; Aug. 19.
Coats and fur jackets, Fur. Century Furs. 432,134; Aug. 19.
Coats, Fur. A. Salvatore. 432,193; Aug. 19.
Coats made of mink, Ladies' and misses' fur. Saks & Company. 432,175; Aug. 19.
Dresses and frocks for women and children. Queen Dress & Skirt Company. 228,758; renewed June 7, 1947. O. G. Aug. 19.
Dresses, blouses, playsuits, etc., Ladies', misses', and girls'. Albert H. Vandam Co., Inc. 432,141; Aug. 19.
Dresses, blouses, slacks, etc., Ladies', misses', and junior misses'. I. C. Guild. 432,180; Aug. 19.
Dresses, coats, and suits, Ladies' and misses'. Frohman & Altman, Inc. 229,140; renewed June 21, 1947. O. G. Aug. 19.
Dresses, Girls'. C. Krapes. 432,164; Aug. 19.
Dresses, Misses' and women's. Pomette Dres Corporation. 432,140; Aug. 19.
Dresses of knitted, netted, and textile fabrics, Ladies', misses', and juniors'. Crestlee Inc. 432,157; Aug. 19.
Dresses, Women's and misses'. Nan Raye Frocks, Inc. 432,163; Aug. 19.
Gloves, Leather. D. Power & Sons Limited. 432,146; Aug. 19.
Hosiery. Ely & Walker Dry Goods Company. 224,241; renewed Feb. 22, 1947. O. G. Aug. 19.
Hosiery. L. A. Rayburn. 432,142; Aug. 19.
Hosiery. Shreve & Adams, Inc. 229,651; renewed July 5, 1947. O. G. Aug. 19.
Hosiery and underwear. Jacobson Sales Co. 432,194; Aug. 19.
Hosiery, Ladies'. M. M. Abrams. 432,183; Aug. 19.
Neckties and scarfs. L. Blumenfield. 432,172; Aug. 19.
Outer garments, Men's, boys', and children's. Cohen, Goldman & Co. Inc. 228,314; renewed May 31, 1947. O. G. Aug. 19.
Pajamas, Boys'. Lubin-Weeker Co., Inc. 432,145; Aug. 19.
Robes, bath robes, and beach robes, Lounging. Calidad Robes, Inc. 432,148; Aug. 19.
Robes made of all silk foulard, Men's. Safir Plan, Inc. 432,168; Aug. 19.
Shirts, outer. Lubin-Weeker Co., Inc. 432,136; Aug. 19.
Shirts, overalls, and work pants, Work. Washington Manufacturing Co. 224,141; renewed Feb. 22, 1947. O. G. Aug. 19.
Shoes. Brown Shoe Company, Inc. 229,673; renewed July 5, 1947. O. G. Aug. 19.
Shoes. General Shoe Corporation. 432,197; Aug. 19.
Shoes. B. M. Tenaly Shoe Mfg. Co., Inc. 432,178; Aug. 19.
Shoes, Children's. Superior Shoe Company. 432,169; Aug. 19.
Shoes, Sport. B. F. Goodrich Company. 225,517; renewed Mar. 22, 1947. O. G. Aug. 19.
Shoes, Women's. Schwartz & Benjamin, Inc. 432,182; Aug. 19.
Stockings and stump socks, Stump. Sterling Stocking Co. 230,012; renewed July 12, 1947. O. G. Aug. 19.
Sweatbands. Harris & Tipograph, Inc. 211,088; renewed Apr. 6, 1946. O. G. Aug. 19.
Sweaters. Buckland Knitwear, Inc. 432,162; Aug. 19.
Sweaters, jackets, knitted sport shirts, etc., Men's and boys'. Gillman Knitwear Company. 432,147; Aug. 19.
Trousers, Men's and boys'. Hubbard Pants Company, Inc. 432,200; Aug. 19.
Underwear of textile fabrics, Children's nainsook. Ely & Walker Dry Goods Company. 225,212; renewed Mar. 15, 1947. O. G. Aug. 19.

CLASS 40

Braids, artificial flowers, unmounted beaded bags, Linen, silk cotton and worsted. M. Rich & Bros. Co. 227,357; renewed May 3, 1947. O. G. Aug. 19.
Tapes and trimmings of fabric, Biasfold. William E. Wright & Sons Company. 229,766; renewed July 5, 1947. O. G. Aug. 19.

CLASS 42

Broadcloth of cotton silk, cotton and silk, wool, and cotton and wool in the piece. Carson Pirie Scott & Co. 222,546; renewed Jan. 4, 1947. O. G. Aug. 19.
Elastic fabric in the piece. Narrow Fabric Co. 228,871; renewed June 14, 1947. O. G. Aug. 19.
Piece goods, and cotton blankets, Cotton. Jackson Company. 62,554; re-renewed May 14, 1947. O. G. Aug. 19.
Piece goods made of cotton, wool, silk, etc. Ely & Walker Dry Goods Company. 226,716; renewed Apr. 19, 1947. O. G. Aug. 19.
Piece goods, Woolen. Forstmann & Huffmann Company. 223,778; renewed Feb. 8, 1947. O. G. Aug. 19.
Piece goods, Woolen. Forstmann & Huffmann Company. 224,271; renewed Feb. 22, 1947. O. G. Aug. 19.
Textile fabrics, Printed and dyed. Eddystone Manufacturing Company. 63,671; re-renewed July 2, 1947. O. G. Aug. 19.
Textiles, awning fabrics, textile and woven bed coverlets, etc., Artificial-silk. M. Rich & Bros. Co. 226,788; renewed Apr. 19, 1947. O. G. Aug. 19.
Towels, Textile. Ely & Walker Dry Goods Company. 225,653; renewed Mar. 22, 1947. O. G. Aug. 19.
Woolen goods in the piece. Worumbo Manufacturing Company. 228,745; renewed June 7, 1947. O. G. Aug. 19.
Woven elastic fabric, Wide. Rayflex Fabrics, Inc. 432,190; Aug. 19.

CLASS 43

Silk in thread and yarn form, Artificial. American Bemberg Corporation. 222,453; renewed Jan. 4, 1947. O. G. Aug. 19.
Spool-cotton, sewing-cotton and thread. American Thread Company. 62,948; re-renewed June 4, 1947. O. G. Aug. 19.

Spool-cotton, sewing-silk, and thread. American Thread Company. 63,632; re-renewed July 2, 1947. O. G. Aug. 19.
Spool-cotton, sewing-silk, and thread. American Thread Company. 63,634; re-renewed July 2, 1947. O. G. Aug. 19.
Spool-cotton, sewing-silk and thread. American Thread Company. 63,636–7; re-renewed July 2, 1947. O. G. Aug. 19.
Spool-cotton, thread, and sewing-cotton. American Thread Company. 63,137–9; re-renewed June 11, 1947. O. G. Aug. 19.
Spool-cotton, thread and sewing-cotton. American Thread Company. 63,208; re-renewed June 11, 1947. O. G. Aug. 19.
Yarn and machine thread. A. W. Archer Co. Inc. 229,234; renewed June 21, 1947. O. G. Aug. 19.

CLASS 44

Prophylactic rubber articles. Youngs Rubber Corporation, Inc. 229,993; renewed July 12, 1947. O. G. Aug. 19.
Rubber specialties. Diamond Rubber Co. 29,557; re-renewed Feb. 2, 1947. O. G. Aug. 19.
Sanitary napkins. Acme Cotton Products Co., Inc. 229,141; renewed June 21, 1947. O. G. Aug. 19.
Sanitary napkins. Narrow Fabric Co. 229,254; renewed June 21, 1947. O. G. Aug. 19.

CLASS 45

Beverage, Nonalcoholic, noncereal maltless. Keen Kola Manufacturing Company. 227,539; renewed May 10, 1947. O. G. Aug. 19.
Beverages, nonalcoholic carbonated. Uncle Jo Company. 432,137; Aug. 19.
Flavoring extracts, Nonalcoholic, maltless. L. E. Jung. 225,390; renewed Mar. 15, 1947. O. G. Aug. 19.
Ginger ale. Curran & Joyce Co., Inc. 229,535; renewed June 28, 1947. O. G. Aug. 19.
Sirup, grape juice, orange juice, etc., Raspberry. Seeman Brothers, Inc. 228,346; renewed May 31, 1947. O. G. Aug. 19.

CLASS 46

Bacon. E. S. Bazley. 229,211; renewed June 21, 1947. O. G. Aug. 19.
Bread, coffee cakes, crullers, etc. Borck & Stevens Incorporated. 229,102; renewed June 21, 1947. O. G. Aug. 19.
Butter. E. S. Bazley. 224,600; renewed Mar. 1, 1947. O. G. Aug. 19.
Candies, ice creams, and water ices. Lindroth's, Inc. 432,199; Aug. 19.
Candy. Hawley & Hoops. 222,931; renewed Jan. 11, 1947. O. G. Aug. 19.
Candy. John G. Woodward & Co., (Inc.). 228,295; renewed May 31, 1947. O. G. Aug. 19.
Candy, chocolates, and bonbons. Hawley & Hoops. 61,348–9; re-renewed Mar. 19, 1947. O. G. Aug. 19.
Canned olives. Albers Packing Company. 229,486; renewed June 28, 1947. O. G. Aug. 19.
Canned peas. Pictsweet Foods, Inc. 432,167; Aug. 19.
Canned seafood chowder, canned clam chowder, sardine cocktail chowder, etc. North Atlantic Packing Company. 432,198; Aug. 19.
Canned tomatoes. F. E. Hammond. 432,135; Aug. 19.
Canned vegetables, nuts, spices, etc. S. S. Pierce Co. 62,560; re-renewed May 14, 1947. O. G. Aug. 19.
Cantaloupes and fresh vegetables, Fresh. M. C. Wahl. 229,855; renewed July 5, 1947. O. G. Aug. 19.
Cheese. Hulseberg & Krudener, Inc. 229,288; renewed Jun 21, 1947. O. G. Aug. 19.
Chocolate and candies. Oliver-Finnie Co. 222,832; renewed Jan. 11, 1947. O. G. Aug. 19.
Cocoa and chocolate. Great Atlantic & Pacific Tea Company. 63,071; re-renewed June 4, 1947. O. G. Aug. 19.
Coffee. Great Atlantic & Pacific Tea Co. 228,894; renewed June 14, 1947. O. G. Aug. 19.
Coffee. Levering Coffee Co. 60,103; re-renewed Jan. 29, 1947. O. G. Aug. 19.
Coffee, Green. J. Aron & Company, Inc. 223,704; renewed Feb. 8, 1947. O. G. Aug. 19.
Coffee, Green. J. Aron & Company, Inc. 226,080; renewed Mar. 29, 1947. O. G. Aug. 19.
Eggs, Fresh. J. Primak. 432,153; Aug. 19.
Eggs, Fresh and cold-storage. Plankinton Packing Co. 227,681; renewed May 10, 1947. O. G. Aug. 19.
Flour, Wheat. Commercial Milling Co. 224,211; renewed Feb. 22, 1947. O. G. Aug. 19.
Flour, Wheat. Eagle Roller Mill Company. 225,824; renewed Mar. 29, 1947. O. G. Aug. 19.
Fresh unfrozen vegetables, Mixture of whole, sliced, and chopped. R. T. Brown. 432,143; Aug. 19.
Fruit, Fresh citrus. Indian River Producers, Inc. 432,174; Aug. 19.
Fruits and vegetables, canned, dried, and prepared; catsups, etc. Great Atlantic & Pacific Tea Company. 63,309; renewed June 11, 1947. O. G. Aug. 19.
Fruits, Fresh citrous. Sweetwater Fruit Company. 228,065; renewed May 24, 1947. O. G. Aug. 19.
Fruits, Fresh citrus. Sweetwater Fruit Company. 223,715; renewed Feb. 8, 1947. O. G. Aug. 19.
Fruits, Fresh citrus. Waddell and Son. 432,057; Aug. 19; Serial No. 484,764; published Feb. 11, 1947.
Fruits, fresh vegetables and fresh melons, Fresh deciduous. Rose Valley Produce Company. 432,085; Aug. 19; Serial No. 499,510; published Nov. 5, 1946.
Ice cream. R. E. Mallernee. 432,189; Aug. 19.
Mayonnaise, Russian dressing, sandwich spread. Eckerson & Company. 223,037; renewed Jan. 11, 1947. O. G. Aug. 19.
Milk, Condensed. Universal Milk Company. 225,838; renewed Mar. 29, 1947. O. G. Aug. 19.
Milk, Evaporated. American Milk Product Co. 62,894; re-renewed May 28, 1947. O. G. Aug. 19.
Milk product, Condensed. M & R Dietetic Laboratories, Inc. 432,084; Aug. 19; Serial No. 499,256; published Mar. 25, 1947.
Molasses. P. Duff & Sons. 61,346–7; re-renewed Mar. 19, 1947. O. G. Aug. 19.
Noodles. Mrs. Schorber's. 432,192; Aug. 19.
Oats, Cooked rolled. H-O Hornbys Oatmeal Company. 59,917; re-renewed Jan. 22, 1947. O. G. Aug. 19.
Oils, Cotton-seed. Union Oil Company. 60,298; re-renewed Feb. 5, 1947. O. G. Aug. 19.
Oleomargarine. St. Louis Independent Packing Company. 223,304; renewed Feb. 1, 1947. O. G. Aug. 19.
Salt. International Salt Company, Inc. 228,303; renewed May 31, 1947. O. G. Aug. 19.
Salt. International Salt Company, Inc. 229,297; renewed June 21, 1947. O. G. Aug. 19.
Sugars, soft and powdered; flour. B. A. Railton Co. 226,793–4; renewed Apr. 19, 1947. O. G. Aug. 19.
Tomato sauce, macaroni and olive oil. Cellas', Inc. 229,937; renewed July 12, 1947. O. G. Aug. 19.
Vegetables, Fresh. Eastern Oregon Produce Company. 432,185; Aug. 19.
Wheat, Cooked flaked. Force Food Company. 60,099; re-renewed Jan. 29, 1947. O. G. Aug. 19.
Wheat-flour. Higginsville Milling Company. 27,820; re-renewed Feb. 18, 1946. O. G. Aug. 19.
Wheat-flour. New Prague Flouring Mill Company. 61,905–6; re-renewed Apr. 9, 1947. O. G. Aug. 19.
Wheat-flour. Wells Flour Milling Company. 61,915–16; re-renewed Apr. 9, 1947. O. G. Aug. 19.
Yeast. Royal Baking Powder Co. 63,538; re-renewed June 25, 1947. O. G. Aug. 19.

CLASS 47

Wines. A. Antonacci. 432,150; Aug. 19.
Wines. Vintage Wines, Inc. 432,165; Aug. 19.

CLASS 48

Beer. Horlacher Brewing Company. 432,154; Aug. 19.
Malt sirup. Jackson Brewing Company. 225,381; renewed Mar. 15, 1947. O. G. Aug. 19.
Stout. Arthur Guinness Son & Co. Limd. 63,040–1; renewed June 4, 1947. O. G. Aug. 19.

CLASS 49

Bourbon liqueur. Duggans Distillers Products Corporation. 432,187; Aug. 19.
Brandy. La Union Agricola Sociedad Anonima. 432,139; Aug. 19.

CLASS 50

Blackboards. E. W. A. Rowles Co. 227,116; renewed Apr. 26, 1947. O. G. Aug. 19.
Closure caps. Anchor Cap & Closure Corporation. 228,771; renewed June 7, 1947. O. G. Aug. 19.
Floor coverings. Depsten Felt and Hair Company, Inc. 229,390; renewed June 28, 1947. O. G. Aug. 19.
Insignia, buttons, and ornaments, etc. N. S. Meyer, Inc. 222,437; renewed Jan. 4, 1947. O. G. Aug. 19.

LIST OF PLANT PATENTEES

Eddie, H. M., and Sons Limited, assignee: *See*—
Eddie Henry M.

Eddie, Henry M., near Sardis, assignor to H. M. Eddie and Sons Limited, New Westminster County, British Columbia, Canada. Rose plant. 753; Aug. 19.

Krebs, Alfred, Montebello, assignor of one-half to E. E. Marsh, Pasadena, Calif. Rose plant. 752; Aug. 19.

Marsh, Edward E., assignee: *See*—
Kreb, Alfred.

LIST OF DESIGN PATENTEES

American Blower Corporation, assignee: *See*—
Koch, John B.

Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Surgical lamp. 147,312; Aug. 19.

Banner Products Company, assignee: *See*—
Panik, Joseph J.

Barrios, Elvira B., New York, N. Y. Perfume bottle or similar article. 147,313; Aug. 19.

Belle, Barbara, New York, N. Y. Music information chart. 147,314; Aug. 19.

Benz, Cyril C., Los Angeles, Calif. Smoking pipe. 147,315; Aug. 19.

Berger, Jakob, assignee: *See*—
Gottfried, Louis.

Bingman, Robert E., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio cabinet or the like. 147,316; Aug. 19.

Borg-Warner Corporation, assignee: *See*—
Keller, Leonard.

Breen, Cydney E., Los Angeles, Calif. Photographic printer or the like. 147,317; Aug. 19.

Carpenter, James M., Atlantic City, N. J. Shoe. 147,318; Aug. 19.

Chapman, Howard D., Tulsa, Okla. Permanent wave machine. 147,319; Aug. 19.

Consolidated Molded Products Corporation: *See*—
Jones, William T.

Cuccio, John D., Los Angeles, Calif. Baby walker or similar article. 147,320; Aug. 12.

Dunn, William J., Winnetka, Ill., and R. R. Richolt, Tujunga, Calif., assignors to General American Transportation Corporation, Chicago, Ill. Child's toilet seat. 147,321; Aug. 19.

Eisenberg, Ben, Larchmont, and O. B. Schwarz, New York, N. Y., assignors to Leistra Laboratories, Inc. Foot pedal control for electric circuits. 147,322; Aug. 19.

Erlanger, Helmut, San Francisco, Calif. Desk type cigarette lighter. 147,323; Aug. 19.

Florence Stove Company: *See*—
Kruck, R. E.

Frei, Otto, New York, N. Y. Lace or similar article. 147,324; Aug. 19.

Frei, Otto, New York, N. Y. Lace or similar article. 147,325; Aug. 19.

Gargano, Frank J., Providence, R. I. Brooch. 147,326; Aug. 19.

Gottfried, Louis, assignor of one-half to J. Berger, New York, N. Y. Baby carriage or similar article. 147,327; Aug. 19.

Gottfried, Louis, assignor of one-half to J. Berger, New York, N. Y. Baby carriage or similar article. 147,328; Aug. 19.

Hallicrafters Co., The, assignee: *See*—
Latham, Richard S.

Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Case for religious shrine or the like. 147,329; Aug. 19.

Kasen, Daniel, Newark, N. J. Button or similar article. 147,330; Aug. 19.

Kasen, Daniel, Newark, N. J. Button or similar article. 147,331; Aug. 19.

Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 147,332; Aug. 19.

Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 147,333; Aug. 19.

Keller, Leonard, Tuckahoe, N. Y., assignor to Borg-Warner Corporation, Chicago, Ill. Sink. 147,334; Aug. 19.

Knight, George C., Detroit, Mich. Fog lamp for automobiles. 147,335; Aug. 19.

Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Ventilating fan. 147,336; Aug. 19.

Koenigsberger, Franz, New York, N. Y. Decorative cover for bottles. 147,337; Aug. 19.

Kruck, Ralph E., Longmeadow, assignor to Florence Stove Company, Gardner, Mass. Combined range top and back guard assembly. 147,338; Aug. 19.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Toy steamboat. 147,339; Aug. 19.

Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Peg board. 147,340; Aug. 19.

Latham, Richard S., Chicago, Ill., assignor to The Hallicrafters Co. Speaker. 147,341; Aug. 19.

Madsen, John S., New York, N. Y. Tablecloth or similar article. 147,342; Aug. 19.

McMichael, Joseph D., Jr., assignor to St. Louis Shipbuilding & Steel Co., St. Louis, Mo. Towboat. 147,343; Aug. 19.

McMichael, Joseph D., Jr., assignor to St. Louis Shipbuilding & Steel Co., St. Louis, Mo. Towboat. 147,344; Aug. 19.

Moran, Ralph V., assignor to V. Moran, Bradford, Pa. Coin bank. 147,345; Aug. 19.

Moran, Ralph V., assignor to V. Moran, Bradford, Pa. Coin bank. 147,346; Aug. 19.

Moran, Vic, assignee: *See*—
Moran, Ralph V.

Morris, Harry, Chicago, Ill. Plastic fabric. 147,347; Aug. 19.

Noma Electric Corporation, assignee: *See*—
Larsen, Olai F., Jr.

Panik, Joseph J., Detroit, Mich., assignor to Banner Products Company, Milwaukee, Wis. Resistance welding machine. 147,348; Aug. 19.

Patti, Fred D., Chicago, Ill. Knife or similar article. 147,349; Aug. 19.

Raffman, Edwin M., Jr., Wichita, Kans. Infants' step device. 147,350; Aug. 19.

Remington Rand Inc., assignee: *See*—
Streng, Jan.

St. Louis Shipbuilding & Steel Co., assignee: *See*—
McMichael, Joseph D., Jr.

Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 147,351; Aug. 19.

Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 147,352; Aug. 19.

Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 147,353; Aug. 19.

Sherr, Isaac B., Los Angeles, Calif. Cigarette dispenser. 147,354; Aug. 19.

Streng, Jan, Mason, N. H., assignor to Remington Rand Inc., Buffalo, N. Y. Bookkeeping machine. 147,355; Aug. 19.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe. 147,356; Aug. 19.

United Shoe Machinery Corporation, assignee: *See*—
Stritter, Karl A.

Watkins, Frank W., Cleveland, Ohio. Lighting fixture. 147,357; Aug. 19.

Wilde, Hans W., North Bergen, N. J. Textile fabric. 147,358; Aug. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Chester E., Highland, and T. B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Mercaptan extraction. 2,425,776; Aug. 19.

Adams, Chester E., Highland, and T. B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Extraction of mercaptans from hydrocarbon oil. 2,425,777; Aug. 19.

Adams, George P., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Core covering apparatus with tension controlling and stopping means. 2,425,977; Aug. 19.

Agamalite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Follower retainer for napkin dispensers. 2,426,136; Aug. 19.

Alexander, Harvey B., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Propellent powder. 2,425,854; Aug. 19.

Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of metal hydrides. 2,425,711; Aug. 19.

Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of alkaline earth hydrides. 2,425,712; Aug. 19.

Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing system. 2,425,778; Aug. 19.

Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head. 2,425,779; Aug. 19.

Alvira, Alfonso: *See*—
Hausz, Walter, and Alvira.

American Machine and Metals, Inc., assignee: *See*—
Bassett, Rex E., Jr.

American Smelting and Refining Company, assignee: *See*—
Forbes, Gordon B.

American Steel Foundries, assignee: *See*—
Bachman, Fred E.

American Telephone and Telegraph Company, assignee: *See*—
Hanley, Frank H.
Hoinkis, William, and Perry.
Neiswinter, James T.

American Type Founders, Inc., assignee: *See*—
Seybold, Frederick W.

Anaconda Wire & Cable Company, assignee: *See*—
Flynn, Edward S.

Anderson, Arthur N., Brooklyn, N. Y. Life raft releasing mechanism. 2,425,910; Aug. 19.

Anderson, Arthur N., Brooklyn, assignor to H. M. Anderson, New York, N. Y. Stowage bracket for floats on shipboard. 2,425,911; Aug. 19.

Anderson, Helen M., assignee: *See*—
Anderson, Arthur N.

Anderson, Louis E., Jr., and R. A. Coolahan, assignors to Hercules Powder Company, Wilmington, Del. Foundry mold coating. 2,425,978; Aug. 19.

Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Self-propelled implement. 2,425,855; Aug. 19.

Anthony Company, assignee: *See*—
Novotney, Frank A.

Appel, Harry A., Bronx County, N. Y., and E. J. Le Blanc, Middlesex County, Mass. Apparatus for grinding food in a vacuum chamber. 2,425,912; Aug. 19.

Applegate, Lindsay M., Portland, Oreg. Stereoscopic range and height finder with adjustable reticles. 2,425,713; Aug. 19.

Armstrong Cork Company, assignee: *See*—
Berger, John L.

Armstrong Siddeley Motors Limited, assignee: *See*—
Heppner, Fritz A. M.

Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,425,856; Aug. 19.

Asselin, James H., Winnetka, Ill. Rail brace. 2,426,137; Aug. 19.

Asselin, James H., Winnetka, Ill. Rail brace. 2,426,138; Aug. 19.

Attorney General of the United States, The: *See*—
Dietz, Karl.
Hepp, Rudolf.
Mertens, Willi.

Axe, William H.: *See*—
Schulze, Walter A., and Axe.

Babson Bros. Co., assignee: *See*—
Thomas, Chester A.

Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster for railway brake rigging. 2,425,979; Aug. 19.

Bacon, Leslie R.: *See*—
Wegst, Walter F., Bacon, Vaughn, and Crawford.

Baer, John M., Chicago, Ill., assignor to The Guardite Corporation. Quick freezing of foods. 2,425,714; Aug. 19.

Baerwalde, Emil, Cleveland, Ohio. Adjusting means for lathe attachments. 2,425,780; Aug. 19.

Baird, John L., deceased, London, England; K. E. Shelley, executor. Screen for television. 2,425,980; Aug. 19.

Baird Machine Company, The, assignee: *See*—
Bunnell, Earl C.

Bak, Alfred, Irene, S. Dak. Heat indicator. 2,426,077; Aug. 19.

Bard, Elliott, and M. J. Kobilsky, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn. Balanced frequency discriminator. 2,425,981; Aug. 19.

Barnes, Charles H., Washington, D. C. Fire extinguisher. 2,425,715; Aug. 19.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Apparatus for detecting flaws in rails. 2,425,857; Aug. 19.

Barnett, Katharine, assignee: *See*—
Blomberg, Otto J.

Barrow, Wilmer L., Newton, Mass., assignor to Research Corporation, New York, N. Y. Electromagnetic horn. 2,425,716; Aug. 19.

Bassett, Rex E., Jr., Miami Beach, Fla., assignor, by mesne assignments, to American Machine and Metals, Inc., East Moline, Ill. Washing machine transmission. 2,426,078; Aug. 19.

Bay Chemical Company, Inc., assignee: *See*—
Comstock, Rock L., and Reeves.

Bazley, Ralph L., Jackson Heights, N. Y., assignor to Square D Company, Detroit, Mich. Grinding machine. 2,425,982; Aug. 19.

Beach, Leland K., Mountainside, N. J., assignor to Standard Oil Development Company. Isomerizing tertiary olefins. 2,425,858; Aug. 19.

Bean, Frank R., assignor to F. A. Smith Manufacturing Company, Rochester, N. Y. Thermostatic switch assembly. 2,425,717; Aug. 19.

Beard, Charles L., Lancaster, Pa. Angle shrinker. 2,425,913; Aug. 19.

Beebe, Stanley J., Norfolk, Va. Sugar dispenser. 2,425,718; Aug. 19.

Belger, Lawrence E.: *See*—
Laube, Grover, and Belger.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bouton, George M., and Schumacher.
Llewellyn, Frederick B.

Bendix Aviation Corporation, assignee: *See*—
Gartner, John.
Jandasek, Joseph.

Bendix Products Corporation, assignee: *See*—
Mock, Frank C.

Bengenheimer, Melvin, East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal and magnetic trip circuit breaker. 2,425,983; Aug. 19.

Berger, John L., Columbia, assignor to Armstrong Cork Company, Lancaster, Pa. Manufacture of linoleum. 2,425,719; Aug. 19.

Bergman, Charles P., Brooklyn, N. Y., assignor to Rockwell Manufacturing Company. Compound meter. 2,425,720; Aug. 19.

Bergstrom, Carl P., and A. J. Herard, Jr., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Cloth roll mechanism for looms. 2,425,781; Aug. 19.

Bichsel, Harry J.: *See*—
Mahoney, John R., and Bichsel.

Bicknell, Frank A.: *See*—
Bishop, Benjamin S. T., and Bicknell.

Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Dispensing cabinet structure. 2,425,915; Aug. 19.

Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel cabinet structure. 2,425,916; Aug. 19.

Bishop, Benjamin S. T., Shrewsbury, and F. A. Bicknell, assignors to Leland-Gifford Company, Worcester, Mass. Tool control mechanism for machine tools. 2,426,139; Aug. 19.

Blackley, James L., and W. P. V. Ross, assignors to The Duplex Printing Press Company, Battle Creek, Mich. Double adjustment for plate cylinders. 2,425,914; Aug. 19.

Blackman, Stanley, Brooklyn, N. Y. Cleaning capsules and the like. 2,425,984; Aug. 19.

Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Thiophene compounds and methods of obtaining the same. 2,425,721; Aug. 19.

Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Thiophene compounds and methods for obtaining the same. 2,425,722; Aug. 19.

Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Thiophene compounds and methods for obtaining the same. 2,425,723; Aug. 19.

Bliss, E. W., Company, assignee: *See*—
Rode, Fredrich J.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Remote controlled electrical indicator. 2,426,079; Aug. 19.

Blomberg, Otto J., Chicago, assignor, by mesne assignments, of one-half to K. C. Barnett, Glencoe, Ill. Clutch wear signal. 2,425,985; Aug. 19.

Bludworth, Joseph E., and C. Hutson. Cumberland, Md., assignors to Celanese Corporation of America. Preparation of filaments. 2,425,782; Aug. 19.

Bohm, Daniel, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Method and apparatus for forming the rims of cylindrical shells. 2,425,986; Aug. 19.

Bohnengel, Andrew J., deceased, Toledo, Ohio; A. M. Streicher, executor, and H. B. Bohnengel, executrix, assignors to H. B. Bohnengel. Measuring tape feed. 2,425,724; Aug. 19.

Bohnengel, Harriet B., executrix, assignee: *See*—
Bohnengel, Andrew J.

Bollaert, Armand R., Palos Verdes, Calif., assignor to Great Lakes Carbon Corporation. Nonsettling mineral fillers. 2,426,140; Aug. 19.

Bouton, George M., Madison, and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Casting and rapid analysis of alloys. 2,425,725; Aug. 19.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit for measuring minimum values of unidirectional voltage pulses. 2,425,987; Aug. 19.

Braaten, Oscar M., Rock Island, Ill., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Cutter grinder. 2,425,859; Aug. 19.

Brady, Raymond A., San Francisco, Calif. Conveyor. 2,425,860; Aug. 19.

Braitberg, Leo D.: *See*—
Friedman, Harris L., and Braitberg.

Brignola, Nicholas F., Troy, N. Y. Ear spatula. 2,425,917; Aug. 19.

Brisben, Ernest J., East Cleveland, Ohio. Chuck tool holder. 2,425,988; Aug. 19.

Brown, Alexander P., Beechhurst, Long Island, N. Y. Piano action. 2,425,989; Aug. 19.

Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Cleveland, Ohio. Agitator nozzle. 2,425,918; Aug. 19.

Brown, Henry T., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic conversion of mixtures of alkyl chlorides and petroleum fractions. 2,425,861; Aug. 19.

Bryant Electric Company, The, assignee: *See*—
Hodgkins, Charles H.

Bucknam, James H., Cranford, and I. P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company. Blow pipe nozzle. 2,425,709; Aug. 19.

Bucknam, James H., Cranford, and I. P. Thompson, Elizabeth, N. J., assignors to The Linde Air Products Company. Blow pipe nozzle. 2,425,710; Aug. 19.

Budd Company, The, assignee: *See*—
Watter, Michael.

Budnick, Joseph F., Forest Hills, N. Y. Scale compass. 2,425,862; Aug. 19.

Buescher, Wilbert C., Alhambra, assignor to General Controls Co., Glendale, Calif. Control device. 2,425,990; Aug. 19.

Bunnell, Earl C., assignor to The Baird Machine Company, Stratford, Conn. Continuous operation multispindle machine. 2,425,726; Aug. 19.

Buquor, Adolph P., Washington, D. C., assignor to Martin-Parry Corporation, York, Pa. Firing platform for artillery. 2,425,783; Aug. 19.

Burgess, Frank: *See*—
Gray, James J., and Burgess.

Burk, Robert E., D. D. Coffman, and G. H. Kalb, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of difluoroethane. 2,425,991; Aug. 19.

Butz, Clarence, Muscatine, Iowa. Ham press. 2,425,727; Aug. 19.

Byron Jackson Co., assignee: *See*—
Mullinix, Gird E.

Cadwallader, Alvin A., assignor to Teleflex Incorporated, Philadelphia, Pa. Quick-acting connection. 2,425,992; Aug. 19.

Camerson, William J., assignee: *See*—
Sheiffele, Arthur L.

Campbell, Donald J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bleaching cotton textile goods. 2,426,142; Aug. 19.

Campbell, Donald L.: *See*—
Murphree, Eger V., Tyson, Campbell, and Martin.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Roberts, Frederick H., and Fife.
Toussaint, Walter J., and Fife.

Carborundum Company, The, assignee: *See*—
McMullen, John C.

Carlson, Frank E., Cleveland Heights, Ohio, assignor to General Electric Company. Light projection apparatus. 2,425,863; Aug. 19.

Carroll, Elbert H., West Boylston, Mass. Ski binding hitch. 2,425,993; Aug. 19.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Filament supporting structure for incandescent lamps. 2,425,864; Aug. 19.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Filament supporting structure for incandescent lamps. 2,425,865; Aug. 19.

Cary, Francis C.: *See*—
Hyblnette, Sven E., and Cary.

Case, J. I., Company, assignee: *See*—
Krause, Norman R.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Hutson.

Chapman, James, Halewood near Liverpool, and J. W. C. Crawford, Frodsham via Warrington, England, assignors to Imperial Chemical Industries Limited. Photochemical chlorination of polyvinyl chloride. 2,426,080; Aug. 19.

Charney, Aaron, Chicago, Ill. Glove. 2,425,784; Aug. 19.

Cheek, Millard F., Liberty, Mo. Wheelborrow. 2,426,081; Aug. 19.

Chilton, William D., Memphis, Tenn., assignor to General Motors Corporation, Detroit, Mich. Press feed. 2,425,994; Aug. 19.

Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Treating oxidized ores of zinc. 2,425,995; Aug. 19.

Chrysler Corporation, assignee: *See*—
Matulaitis, Victor E.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Djerassi, Carl, and Scholz.

Cincinnati Milling Machine Co., The, assignee: *See*—
Braaten, Oscar M.
Vancil, Edgar D., and Hassman.

Clark Equipment Company, assignee: *See*—
Williams, Alfred O.

Clark, Victor R., Chicago, Ill. Applying multiple-belts. 2,425,785; Aug. 19.

Clyne, Joseph, Bronx, N. Y. Garment construction. 2,426,144; Aug. 19.

Cobb, Thomas S., Fort Lauderdale, Fla. Mattress. 2,425,728; Aug. 19.

Coburn, William K., Cambridge, assignor to Serdex, Inc., Boston, Mass. Chronometric recorder. 2,426,145; Aug. 19.

Coffman, Donald D.: *See*—
Burk, Robert E., Coffman, and Kalb.

Coley, Nelson B.: *See*—
Wight, Sedgwick N., Field, and Coley.

Combined Locks Paper Co., assignee: *See*—
Muggleton, Gerald D.

Combined Metals Reduction Company, assignee: *See*—
Christensen, Niels C.

Commerce, Government of the United States, as represented by the Secretary of the Department of: *See*—
Saunders, James B.

Comstock, Rock L., Weeks, La., and H. F. Reeves, Jr., Wyandotte, Mich., assignors to Bay Chemical Company, Inc., New Orleans, La. Stabilization of furfural. 2,426,143; Aug. 19.

Cone, John H., Goose Creek, Tex., assignor to Standard Oil Development Company. Eliminating foaming in the recovery of sulphuric acid from an olefin recovery operation. 2,426,082; Aug. 19.

Confections, Inc., assignee: *See*—
Kooman, Jacob B.

Conklin, Edward R., Wauseon, Ohio. Popgun. 2,425,866; Aug. 19.

Conn, C. G., Ltd., assignee: *See*—
Kent, Earle L.

Conti, Eugene, Jackson Heights, N. Y., assignor to Herz Manufacturing Corporation. Machine for forming drinking cups. 2,425,786; Aug. 19.

Coolahan, Robert A.: *See*—
Anderson, Louis E., Jr., and Coolahan.

Cordes, Charles P., Elizabeth, N. J. Percussion drum. 2,425,996; Aug. 19.

Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn. Tappet. 2,426,083; Aug. 19.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.

Cotton, William, Limited, assignee: *See*—
Lynam, John E.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Making metal molding material. 2,425,919; Aug. 19.

Cox, Paul F., Los Angeles, Calif. Single-acting flat-bed web perfecting printing press. 2,425,920; Aug. 19.

Cracraft, Clarence A., Peabody, Kans. Stabilizer for motor-driven vehicles. 2,425,787; Aug. 19.

Crane Packing Company, assignee: *See*—
Payne, Frank E.

Crawford, Duncan J.: *See*—
Wegst, Walter F., Bacon, Vaughn, and Crawford.

Crawford, John W. C.: *See*—
Chapman, James, and Crawford.

Criner, Harry E., and B. A. Rose, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor-slot ventilation for dynamo-electric machines. 2,425,997; Aug. 19.

Crise, George W., assignor to Crise Manufacturing Company, Columbus, Ohio. Thermostat control mechanism for heating systems. 2,425,998; Aug. 19.

Crise Manufacturing Company, assignee: *See*—
Crise, George W.

Crockett, Thomas E., Tulsa, Okla. Device for holding objects to be copied or photographed. 2,425,921; Aug. 19.

Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P., and Herard.

Crosby, Howard M., Schenectady, N. Y., assignor to General Electric Company. Signal portraying apparatus. 2,425,999; Aug. 19.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency discriminator circuit. 2,425,922; Aug. 19.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency divider and discriminator circuit. 2,425,923; Aug. 19.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation detector. 2,425,924; Aug. 19.

Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.

Crowley, Henry L., & Company, Inc., assignee: *See*—
Hossenlopp, Arthur M.

Crown Fastener Corporation, assignee: *See*—
Willis, Charles C.

Cutler, Day E., assignor to The J. S. McCormick Co., Pittsburgh, Pa. Production of mold parts. 2,426,000; Aug. 19.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W.

Davis, Ernest W., River Forest, Ill. Lubricating apparatus. 2,425,867; Aug. 19.

Davis, Harold G., Brooklyn, N. Y. Calendar stand with memoranda paper supply device. 2,425,925; Aug. 19.

Deere & Company, assignee: *See*—
Andrews, Norman F.

Dellinger Manufacturing Company, assignee: *See*—
Sensenig, Miles L.

Deloghia, Louis E., Agawam, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Protective means for heating furnace fronts. 2,426,084; Aug. 19.

Deming Company, The, assignee: *See*—
Samelson, Bernard.

Denault, Clinton L., Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety mechanism. 2,426,001; Aug. 19.

Den Besten, Cornelius: *See*—
Den Besten, Gerrit and C.

Den Besten, Gerrit, Newton, Iowa, and C. Den Besten, Corsica, S. Dak. Fifth wheel. 2,426,002; Aug. 19.

Denzler, Felix F., Pomona, Calif. Alarm system. 2,426,085; Aug. 19.

De Sherbinin, William N., Mount Kisco, N. Y. Toy block. 2,425,729; Aug. 19.

Dietz, Karl, Kronberg in Taunus, Germany; vested in the Attorney General of the United States. Preparing cement powders and acidproof mortars. 2,425,976; Aug. 19.

Dillon, Lyle, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for logging drill holes. 2,425,868; Aug. 19.

Dillon, Lyle, San Gabriel, assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for logging drill holes. 2,425,869; Aug. 19.

Dixen, Einar B., Seattle, Wash. Mortising guide. 2,426,003; Aug. 19.

Dixon, Charles H., assignor to Ex-Cell-O Corporation, Detroit, Mich. Vending machine. 2,425,870; Aug. 19.

Djerassi, Carl, Chatham, and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Thymoxy-acetamidines. 2,425,730; Aug. 19.

Dodwell, John M., Shawbridge, Quebec, Canada. Clutch. 2,425,731; Aug. 19.

Duplex Printing Press Company, The, assignee: *See*—
Blackley, James L., and Ross.

Du Pont, E. I., de Nemours & Co., assignee: *See*—
Burk, Robert E., Coffman, and Kalb.
Campbell, Donald J.
Gresham, William F.
Grigsby, William E.
Hamblet, Clement H., and McAlevy.
Reichert, Joseph S., and Hawkinson.
Rothrock, Henry S.
Wall, William C., and Wilkens.
Wilson, Cyril D.

Eastman Kodak Company, assignee: *See*—
Hull, David C.

Edwards, Hilbert E., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laundry apparatus. 2,425,788; Aug. 19.

Eichorst, Herman H., San Diego, Calif. Safety wire twisting apparatus. 2,425,871; Aug. 19.

Elliott, Herschel A., assignor to Hercules Powder Company, Wilmington, Del. Lead resinate and producing. 2,425,926; Aug. 19.

Elrad, William R., University Heights, Ohio. Bedpost rail socket. 2,425,927; Aug. 19.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Loughlin China Company, Newell, W. Va. Cup decorating machine. 2,425,928; Aug. 19.

English Electric Company Limited, The, assignee: See—
Welsh, Robert J.

Evans, John R., Windsor, Ontario, Canada. Steam boiler furnace. 2,426,004; Aug. 19.

Ex-Cell-O Corporation, assignee: *See*—
Dixon, Charles H.

Exner, Donald W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator fault protection. 2,426,005; Aug. 19.

Fairey Aviation Company, The, assignee: See—
Forsyth, Archibald G.

Farnsworth Television and Radio Corporation, assignee: *See*—
Salinger, Hans W. G.

Fehr, David D., Winkler, Manitoba, Canada. Free-winged aircraft. 2,426,086; Aug. 19.

Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Conversion of hydrosulfides to neutral sulfur substances. 2,426,087; Aug. 19.

Field, Donald C.: *See*—
Thomas, Robert M., and Field.

Field, Oscar S.: *See*—
Wight, Sedgwick N., Field, and Coley.

Field, William J.: *See*—
Gille, Willis H., Field, and Upton.

Fife, Harvey R.: *See*—
Roberts, Frederick H., and Fife.
Toussaint, Walter J., and Fife.

Filbert, Bryson M., Wooster, Tex., assignor to Standard Oil Development Company. Eliminating foaming in the recovery of sulphuric acid from an olefin recovery operation. 2,426,088; Aug. 19.

Fisler, William O., Normandy, assignor to Skinner & Kennedy Stationery Co., St. Louis, Mo. Fan. 2,425,789; Aug. 19.

Fitzgerald, Edward B., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Hydraulic control for electric motors. 2,426,006; Aug. 19.

Fitzgerald, Walter H., Jr., Carrollton, Tex. Operation indicator for airplane engines. 2,426,089; Aug. 19.

Fitzpatrick, Hugh P.: *See*—
Frank, Edward J., and Fitzpatrick.

Flanders, John: *See*—
Jones, Elwyn, and Flanders.

Fletcher, Roland A., San Diego, Calif. Bed switch. 2,425,790; Aug. 19.

Flynn, Edward S., Hastings-on-Hudson, assignor to Anaconda Wire & Cable Company, New York, N. Y. Electrical oil. 2,425,791; Aug. 19.

Forbes, Gordon B., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Machine for automatically punching converter tuyères. 2,425,792; Aug. 19.

Forsland, Audre C., Virginia, Minn. Combination collar pin. 2,425,872; Aug. 19.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Variable pitch propeller arrangement. 2,426,007; Aug. 19.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Power unit for aircraft and the like. 2,426,008; Aug. 19.

Fort Howard Paper Company, assignee: *See*—
Agamaite, Edward, Jr.

Fosnot, Louis P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Impact wrench. 2,425,793; Aug. 19.

Foster, William P., Jersey City, N. J., assignor to General Cable Corporation, New York, N. Y. Method of and apparatus for preparing photographic overlay chart. 2,425,929; Aug. 19.

Frank, Edward J., Springfield, and H. P. Fitzpatrick, Philadelphia, Pa., assignors to General Electric Company. Electric switch. 2,426,009; Aug. 19.

Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Wrap spindle. 2,426,010; Aug. 19.

Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Glucose bisulfite compounds of alkoxy amino pyridine. 2,426,011; Aug. 19.

Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Glucosidamino compounds of alkoxy pyridine. 2,426,012; Aug. 19.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Apparatus for producing justified type matter. 2,426,146; Aug. 19.

Furman, Frank J.: *See*—
Rabenda, Edward J., and Furman.

Galbraith, Howard, Vallejo, Calif. Bevel device. 2,425,732; Aug. 19.

Garcia, Henry and L., Salinas, Calif. Bridle bit. 2,425,930; Aug. 19.

Garcia, Leslie: *See*—
Garcia, Henry and L.

Gartner, John, Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Coil winding method. 2,426,090; Aug. 19.

General Cable Corporation, assignee: *See*—
Foster, William P.

General Controls Co., assignee: *See*—
Buescher, Wilbert C.

General Electric Company, assignee: *See*—
Carlson, Frank E.
Cartun, Paul O.
Crosby, Howard M.
Frank, Edward J., and Fitzpatrick.
Hausz, Walter, and Alvira.
McClain, Joseph W.
Townsend, Mark A.
Walle, Ludwig S.

General Motors Corporation, assignee: *See*—
Chilton, William D.

General Railway Signal Company, assignee: *See*—
Wight, Sedgwick N., Field, and Coley.

Geser, Josefine R., Zurich, Switzerland. Auxiliary ribbon feed device for typewriters. 2,425,794; Aug. 19.

Gessler, Frederick A., assignor, by mesne assignments, to Globe Milker, Inc., Des Moines, Iowa. Claw assembly for milking machines. 2,425,873; Aug. 19.

Gillard, Herbert W.: *See*—
Green, Walter H., and Gillard.

Gille, Willis H., St. Paul, W. J. Field, and A. P. Upton, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control apparatus for positioned device. 2,425,733; Aug. 19.

Gille, Willis H., St. Paul, W. J. Field, and T. J. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic amplifier controlled relay. 2,425,734; Aug. 19.

Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Demountable valve guard for saxophones and the like. 2,425,795; Aug. 19.

Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Octave valve control mechanism for saxophones and the like. 2,425,796; Aug. 19.

Gillespie, Elwyn R., Richmond, Calif. Heating system. 2,425,797; Aug. 19.

Glascote Products, Inc., assignee: *See*—
Brown, Carl S.

Globe Milker, Inc., assignee: *See*—
Gessler, Frederick A.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impedance type distance relay. 2,425,735; Aug. 19.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distance-type product-responsive relay. 2,426,013; Aug. 19.

Golick, Alexander J., assignor, by mesne assignments, to Monsanto Chemical Company, Seattle, Wash. Hydraulic tensile testing machine. 2,425,931; Aug. 19.

Goodson, G. F., assignee: *See*—
Loewe, Peter L.

Gorin, Everett: *See*—
Brown, Henry T., and Gorin.

Gray, James J., Liverpool, and F. Burgess, Widnes, England, assignors to Imperial Chemical Industries Limited. Production of chlorinated aliphatic nitriles. 2,426,091; Aug. 19.

Gray, Kenneth J., Pasadena, Calif. Savings bank. 2,425,874; Aug. 19.

Great Lakes Carbon Corporation, assignee: *See*—
Bollaert, Armand R.

Great Lakes Steel Corporation, assignee: *See*—
Hall, William J.

Green, Walter H., Batavia, and H. W. Gillard, Oak Park, assignors to Infilco Incorporated, Chicago, Ill. Grit separator. 2,425,932; Aug. 19.

Gregory, Waylande C., Bound Brook, N. J. Composite decorative unit. 2,425,933; Aug. 19.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acyl cyanides. 2,426,014; Aug. 19.

Grigsby, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tertiary ethers. 2,426,015; Aug. 19.

Grogan, Elmer H., Danville, Ill. Automatic photo printer. 2,426,092; Aug. 19.

Guardite Corporation, The, assignee: *See*—
Baer, John M.
Heineman, Arnold H.

Gustin, Daniel S., and A. W. Wainio, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic coating apparatus. 2,426,016; Aug. 19.

Hall, Cortice H., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Overload release mechanism. 2,425,736; Aug. 19.

Hall, William J., Detroit, Mich., assignor to Great Lakes Steel Corporation. Metal nailing beam. 2,425,798; Aug. 19.

Hamblet, Clement H., Gordon Heights, and A. McAlevy, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 1,3-butylene glycol. 2,426,017; Aug. 19.

Hamer, Leland S., Long Beach, Calif. Construction for pipe-line fittings. 2,425,934; Aug. 19.

Hamilton, John C., Merced, Calif. Wiener roasting clamp. 2,425,799; Aug. 19.

Hamilton, Vivian E., Jr., Shreveport, La. Cable for reinforcing pipe during bending operation. 2,425,800; Aug. 19.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 2,425,801; Aug. 19.

Hanna, Clinton R., Pittsburgh, and L. B. Lynn, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gyroscope controlled antenna stabilizer. 2,425,737; Aug. 19.

Hansen, William W., Garden City, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Tunable high-frequency electron tube structure. 2,425,738; Aug. 19.

Harcourt, George A.: *See*—
Sproule, William K., and Harcourt.

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control network. 2,426,018; Aug. 19.

Hardman, Stuart F., Mendon, Utah. Stage lighting. 2,426,093; Aug. 19.

Harris, Fred E., Nutley, A. S. Hegeman, Jr., Glen Ridge, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Inc., New York, N. Y. Connector. 2,425,802; Aug. 19.

Harris, Frederic R., New York, N. Y., assignor to New Jersey Shipbuilding Corporation, Barber, N. J. Building ships. 2,426,094; Aug. 19.

Harris, Walter R., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ward Leonard control system. 2,426,019; Aug. 19.

Hartford National Bank and Trust Company, assignee: *See*—
Bard, Elliott, and Kobilsky.
Labin, Edouard.

Hassman, Fred A.: *See*—
Vancil, Edgar D., and Hassman.

Hauck, Frederick P., Detroit, Mich. Coloring garnet. 2,426,020; Aug. 19.

Hausz, Walter, and A. Alvira, Schenectady, N. Y., assignors to General Electric Company. Pulsed oscillator. 2,426,021; Aug. 19.

Hawkinson, Alfred T.: *See*—
Reichert, Joseph S., and Hawkinson.

Hayman, Richard L., North Hollywood, Calif. Tube holding block. 2,425,935; Aug. 19.

Hebner, Philip G.: *See*—
Matteson, Arch R., and Hebner.

Hecker, Harvard K., Clayton, Mo. Work holding mechanism. 2,426,095; Aug. 19.

Hegeman, Andrew S., Jr.: *See*—
Harris, Fred E., Hegeman, and Snook.

Heineman, Arnold H., Chicago, Ill., assignor to The Guardite Corporation. Splash shield for vacuum coolers. 2,426,096; Aug. 19.

Heller, Philip, New York, N. Y. Attachable tray for armchairs, bridge tables, and the like. 2,426,097; Aug. 19.

Hemphill Company, assignee: *See*—
Fregeolle, Oscar.

Henderson, George C., Detroit, Mich. Monorail track support. 2,425,739; Aug. 19.

Hepp, Rudolf, Berlin, Germany; vested in the Attorney General of the United States. Apparatus for taking folded or unfolded sheets of paper from a pile thereof and conveying the same to a device for further treatment. 2,425,936; Aug. 19.

Heppner, Fritz A. M., Leamington Spa, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Compound internal-combustion turbine plant. 2,426,098; Aug. 19.

Herard, Archibald J., Jr.: *See*—
Bergstrom, Carl P., and Herard.

Hercules Powder Company, assignee: *See*—
Alexander, Harvey B.
Anderson, Louis E., Jr. and Coolahan.
Elliott, Herschel A.
Trowell, William W.

Herman, Edward O., Mill Valley, Calif. Cargo brace. 2,425,875; Aug. 19.

Herro, James M.: *See*—
Skwierawski, Arthur H.

Hershowitz, Ellis H., Washington, D. C. Draft coupling. 2,426,099; Aug. 19.

Herz Manufacturing Corporation, assignee: *See*—
Conti, Eugene.

Hettick, George R.: *See*—
Leonard, Ancel B., and Hettick.
McKenna, George E., and Hettick.

Hilton, William, Seattle, Wash. Burglar stop. 2,425,937; Aug. 19.

Hively, David W., Seattle, Wash. Saw set. 2,425,876; Aug. 19.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp retaining means for fluorescent lamp sockets. 2,426,022; Aug. 19.

Hoinkis, William, Summit, and D. B. Perry, Maplewood, N. J., assignors to American Telephone and Telegraph Company. Visual indicator for teletypewriter line-test key. 2,425,803; Aug. 19.

Holden, Warwick C., and J. C. Naylor, Monkseaton, assignors to Vickers-Armstrongs Limited, London, England. Hydraulic pump or motor of the radial cylinder type. 2,426,100; Aug. 19.

Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.

Homrighous, John H., Oak Park, Ill. Glow and slow acting tube. 2,425,877; Aug. 19.

Hoover, Walter S., Grosse Pointe, Mich. Circulating ball race propeller blade bearing. 2,425,938; Aug. 19.

Horn, Knud, assignor to F. L. Smidth & Co., New York, N. Y. Reduction of sulphates. 2,425,740; Aug. 19.

Horn, Knud, assignor to F. L. Smidth & Co., New York, N. Y. Cement manufacture. 2,426,147; Aug. 19.

Hossenlopp, Arthur M., Metuchen, assignor to Henry L. Crowley & Company, Inc., West Orange, N. J. Soapstone crayon and making same. 2,425,804; Aug. 19.

Howard, Charles L., Winnetka, Ill. Ice creeper. 2,425,939; Aug. 19.

Huffman, Hal C.: *See*—
Parker, Robert L., Jr., and Huffman.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,425,878; Aug. 19.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of alcohols. 2,425,879; Aug. 19.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,425,880; Aug. 19.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,425,881; Aug. 19.

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Oxidation of lower aliphatic alcohols. 2,425,882; Aug. 19.

Humphrey, Hiram B., Washington, D. C. Safety primer for blasting. 2,425,741; Aug. 19.

Hutaff, George H., Jr., Wilmington, N. C. Bottle cap and remover therefor. 2,426,101; Aug. 19.

Hutaff, George H., Jr., Wilmington, N. C. Cap for glass bottles. 2,426,102; Aug. 19.

Hutson, Canfield: *See*—
Bludworth, Joseph E., and Hutson.

Hybinette and Cary, assignee: *See*—
Hybinette, Sven E., and Cary.

Hybinette, Sven E., and F. C. Cary, assignors to Hybinette and Cary, Wilmington, Del. Thermal reduction of metals. 2,426,148; Aug. 19.

Hyman, Frank W., New York, N. Y. Making laminated structures. 2,425,805; Aug. 19.

Imperial Chemical Industries Limited, assignee: *See*—
Chapman, James, and Crawford.
Gray, James J., and Burgess.
Jones, Elwyn, and Flanders.

Independent Pneumatic Tool Company, assignee: *See*—
Fosnot, Louis P.

Industrial Management Corporation, assignee: *See*—
Spaulding, Graydon C.

Infilco Incorporated, assignee: *See*—
Green, Walter H., and Gillard.

Ing, John W., assignor to G. A. Kelly Plow Company, Longview, Tex. Attachment for tractors. 2,425,806; Aug. 19.

International Business Machines Corporation, assignee: *See*—
Rabenda, Edward J., and Furman.

International Nickel Company, Inc., The, assignee: *See*—
Sproule, William K., and Harcourt.

Intertype Corporation, assignee: *See*—
Freund, Herman R.

Iverson, Neal J., Mobile, Ala. Multiple nozzle self-propelled sprayer. 2,425,940; Aug. 19.

Jackson, John G., Detroit, Mich. Concrete structural element reinforced with glass filaments. 2,425,883; Aug. 19.

Jahnig, Charles E., Roselle, N. J., assignor to Standard Oil Development Company. Contacting solids and gaseous fluid. 2,425,807; Aug. 19.

Jakosky, John J., Los Angeles, Calif. Golf club. 2,425,808; Aug. 19.

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Turbine type rotary fluid coupling and torque converter. 2,426,103; Aug. 19.

Janssen, Webster E., Bronxville, N. Y. Chair. 2,425,884; Aug. 19.

Jasco, Incorporated, assignee: *See*—
Thomas, Robert M., and Field.

Jennings, Irving C., South Norwalk, Conn. Centrifugal compressor. 2,425,885; Aug. 19.

Jeppesen, Kresten L., and P. H. Keays, Hamilton, Ontario, Canada, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Clutch. 2,426,023; Aug. 19.

Johnson, Corydon M., Freeport, N. Y. Universal joint. 2,425,809; Aug. 19.

Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,426,104; Aug. 19.

Jones, Elwyn, Ardrossan, and J. Flanders, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Fire extinguisher. 2,426,024; Aug. 19.

Justin, Bertha, Portland, Oreg. Sanitary sink basket. 2,426,025; Aug. 19.

Kahn, Samuel, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Manually adjustable indicator for dial instruments. 2,425,941; Aug. 19.

Kalb, George H.: *See*—
Burk, Robert E., Coffman, and Kalb.

Kane, James E. J.: *See*—
Peters, Theodore J., Jr., and Kane.

Keays, Perceval H.: *See*—
Jeppesen, Kresten L., and Keays.

Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.

Kehrer, Agnes D., Detroit, Mich. Thread severing device for sewing machines. 2,426,026; Aug. 19.

Kelco Company, assignee: *See*—
Steiner, Arnold B.

Kell, Lester L., St. Louis, Mo. Lock cylinder. 2,426,141; Aug. 19.

Keller, Henry V., Minneapolis, Minn. Ironing table having folding supports. 2,425,810; Aug. 19.

Kelly, G. A., Plow Company, assignee: *See*—
Ing, John W.

Kemock, Steve W., Chicago, Ill. Broken electrode retrieving means. 2,426,105; Aug. 19.

Kenkel, John E., Great Falls, Mont. Toothpick dispenser. 2,426,149; Aug. 19.

Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for measuring voltages. 2,425,811; Aug. 19.

Kinley, Myron M., Houston, Tex. Explosively inserting orifices in pipe in wells. 2,426,106; Aug. 19.

Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Electrosensitive recording blank. 2,425,742; Aug. 19.

Knight, Milton A., Arlington, Va., and J. A. Taylor, Washington, D. C. Electronic control for charging circuits. 2,425,743; Aug. 19.

Knox, Samuel S., Long Beach, Calif. Launching and landing of land-based airplanes. 2,425,886; Aug. 19.

Kobilsky, Manuel J.: *See*—
Bard, Elliott, and Kobilsky.

Kooman, Jacob J., assignor to Confections, Inc., Chicago, Ill. Confectionery making machine. 2,425,942; Aug. 19.

Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,426,027; Aug. 19.

Kramer, Nathan, assignor to Kramer Trenton Company, Trenton, N. J. Heat exchange element. 2,426,107; Aug. 19.

Kramer Trenton Company, assignee: *See*—
Kramer, Nathan.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Adjustably mounted bearing. 2,425,943; Aug. 19.

Krebs, Roland, Webster Groves, Mo. Portable dishwashing device. 2,425,812; Aug. 19.

Krueger, Adolph F., Omaha, Nebr. Sanding machine. 2,426,028; Aug. 19.

Kuhn, Edmund W., Cortland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor controlling apparatus. 2,426,029; Aug. 19.

Kuntz, Ralph J., Columbus, Ohio. Compressor. 2,425,813; Aug. 19.

Kvalheim, Ananias A., Petaluma, Calif. Work-started feed mechanism for planers. 2,425,944; Aug. 19.

Labin, Edouard, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Oscillating frequency detector. 2,426,030; Aug. 19.

Laird, Wilbur G., Pleasantville, N. Y. Stabilizing means for movable roofs. 2,426,031; Aug. 19.

Lambach, Fritz, Tenafly, N. J. Cam and roller lubricating means for warp knitting machines. 2,425,744; Aug. 19.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Cushioned trolley pole head. 2,426,150; Aug. 19.

Laube, Grover, Los Angeles, and L. E. Belger, Inglewood, Calif. Film moving mechanism. 2,425,814; Aug. 19.

Lavery, John N., Long Beach, Calif. Reversible gearing. 2,425,815; Aug. 19.

Law, Harry Y., Merced, Calif. Trussed track. 2,426,032; Aug. 19.

Leach, John M., Port Washington, N. Y. Confection tongue depressor. 2,425,945; Aug. 19.

Le Blanc, Emile J.: *See*—
Appel, Harry A., and Le Blanc.

Lee, Abe, Utica, N. Y. Starting device for internal-combustion engines. 2,425,946; Aug. 19.

Leland-Gifford Company, assignee: *See*—
Bishop, Benjamin S. T., and Bicknell.

Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distance type product responsive relay. 2,426,033; Aug. 19.

Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Preparing pectin. 2,425,947; Aug. 19.

Leonard, Ancel B., and G. R. Hettick, Phillips, Tex., assignors to Phillips Petroleum Company. Recovery of hydrogen fluoride from gases. 2,425,745; Aug. 19.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Inertia responsive device. 2,426,034; Aug. 19.

Lichtenberg, Erich H., Milwaukee, Wis., assignor to The Parsons Company, Newton, Iowa. Ditching machine. 2,425,746; Aug. 19.

Lieber, Eugene, Staten Island, and M. E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company. Lubricating oil composition. 2,425,747; Aug. 19.

Lighthipe, Charles H.: *See*—
Retzsch, Clinton E., and Lighthipe.

Linde Air Products Company, The, assignee: *See*—
Bucknam, James H., and Thompson.
McGuire, Frank, Jr.

Lindeck, Simon L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator voltage regulation. 2,426,035; Aug. 19.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. End fire directive antenna. 2,425,887; Aug. 19.

Linhart, Harry M.: *See*—
Stevens, Roy R., and Linhart.

Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,425,748; Aug. 19.

Lochhead, John L., Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War and his successors in office. Bolt lock for machine guns. 2,425,749; Aug. 19.

Loewe, Peter L., Chicago, Ill., assignor to G. F. Goodson, Detroit, Mich. Cylinder structure. 2,426,108; Aug. 19.

Lubbert, Carl B., Annaslie, and C. Rozanek, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Mold. 2,425,832; Aug. 19.

Lucien, Réne, Farnham Common, England. Powered vehicle of connected sections. 2,425,948; Aug. 19.

Lynam, John E., Mapperley, Nottingham, assignor to William Cotton Limited, Loughborough, Leicestershire, England. Cam and follower mechanism for straight knitting machines. 2,426,036; Aug. 19.

Lynn, Lawrence B.: *See*—
Hanna, Clinton R., and Lynn.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,426,109; Aug. 19.

MacKenzie, Charles A.: *See*—
Rust, John B., and MacKenzie.

Magill, Lloyd G.: *See*—
McCorquodale, Wilmer E., and Magill.

Mahoney, John R., Oak Ridge, Tenn., and H. J. Bichsel, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic control device for forming impulses. 2,426,037; Aug. 19.

Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Kahn, Samuel.
Moore, George E., and Smith.

Martin Band Instrument Company, The, assignee: *See*—
Gillespie, Earl J.

Martin, Homer Z.: *See*—
Murphree, Eger V., Tyson, Campbell, and Martin.

Martin-Parry Corporation, assignee: *See*—
Buquor, Adolph P.

Matteson, Arch R., and P. G. Hebner, Seattle, Wash. Cigarette maker. 2,425,888; Aug. 19.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire support and attachment therefor. 2,426,151; Aug. 19.

Matulaitis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission control means. 2,425,889; Aug. 19.

Matulaitis, Victor E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission control means. 2,425,890; Aug. 19.

Maxson, W. L., Corporation, The, assignee: *See*—
Maxson, William L.

Maxson, William L., West Orange, N. J., assignor to The W. L. Maxson Corporation, New York, N. Y. Apparatus for cooling under ultra violet radiation and vacuum conditions. 2,425,816; Aug. 19.

McAlevy, Ambrose: *See*—
Hamblet, Clement H., and McAlevy.

McCarty, John O., U. S. Navy. Optical aligner. 2,425,750; Aug. 19.

McClain, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Current responsive switch. 2,426,038; Aug. 19.

McCormick, J. S., Co., The, assignee: *See*—
Cutler, Day E.

McCorquodale, Wilmer E., Jr., Ardentown, Del., and L. G. Magill, Chester, assignors to Sun Oil Company, Philadelphia, Pa. Distillation of crude petroleum. 2,426,110; Aug. 19.

McGuire, Frank, Jr., Bogota, N. J., assignor to The Linde Air Products Company. Method of and apparatus for flame hardening gear teeth. 2,425,751; Aug. 19.

McKenna, George E., and G. R. Hettick, Phillips, Tex., assignor to Phillips Petroleum Company. Separation of hydrogen fluoride from water and organic contaminants by distillation and decantation. 2,425,752; Aug. 19.

McKune, Frank, San Francisco, Calif. Thermoresponsive latch and setting mechanism therefor. 2,426,039; Aug. 19.

McMullen, John C., assignor to The Carborundum Company, Niagara Falls, N. Y. Refractories and making. 2,425,891; Aug. 19.

Meldahl, Horace S., Charleston, W. Va. Concealed basin furniture. 2,426,152; Aug. 19.

Metal Hydrides, Incorporated, assignee: *See*—
Alexander, Peter P.

Mertens, Willi, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States. Producing hard electrically insulating articles from polyisobutylene, styrene and divinyl benzene. 2,426,111; Aug. 19.

Michaels, John I., Wichita, Kans. Pickup bed for tractors. 2,425,892; Aug. 19.

Miller, George L., U. S. Army, Hackensack, N. J. Check valve. 2,426,040; Aug. 19.

Miner, W. H., Inc., assignee: *See*—
Olander, Roland J.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Gille, Willis H., Field, and Upton.
Gille, Willis H., Field, and Wilson.

Mleczek, Estelle, Chicago, Ill. Collar fastener. 2,425,949; Aug. 19.

Mock, Frank C., assignor to Bendix Products Corporation, South Bend, Ind. Charge forming device. 2,426,153; Aug. 19.

Mojonnier Bros. Co., assignee: *See*—
Radtke, William.

Molitor, William J., St. Louis, Mo. Garden hose holder. 2,425,893; Aug. 19.

Monsanto Chemical Company, assignee: *See*—
Golick, Alexander J.

Montclair Research Corporation, assignee: *See*—
Rust, John B.
Rust, John B., and MacKenzie.

Moore, George E., and R. E. Smith, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Chain hoist. 2,426,112; Aug. 19.

Moorhouse, John H., Rochester, N. Y. Panic lock. 2,426,041; Aug. 19.

Morrison, Montford, Upper Montclair, N. J. Signal transmission device. 2,425,950; Aug. 19.

Mosca, Edward A., Atlantic City, N. J. Pipe fitting. 2,425,817; Aug. 19.

Moyer, Kern A., San Francisco, Calif. Wrist-watch band. 2,425,894; Aug. 19.

Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator. 2,426,042; Aug. 19.

Muggleton, Gerald D., Appleton, assignor, by mesne assignments, to Combined Locks Paper Co., Combined Locks, Wis. Method of and apparatus for applying pigment and other materials to paper. 2,426,043; Aug. 19.

Mullinix, Gird E., San Marino, assignor to Byron Jackson Co., Vernon, Calif. Elevator device. 2,425,753; Aug. 19.

Mullins Manufacturing Corporation, assignee: *See*—
Bohm, Daniel.

Murphree, Eger V., and C. W. Tyson, Summit, D. L. Campbell, Short Hills, and H. Z. Martin, Elizabeth, N. J., assignors, by mesne assignments, to Standard Catalytic Company. Hydrogen production. 2,425,754; Aug. 19.

National City Bank of Evansville, The, administrator: *See*—
Thomas, Albert R.

Naylor, Joshua C.: *See*—
Holden, Warwick C., and Naylor.

Neely, William H., assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio. Frame construction with attachment strips. 2,425,951; Aug. 19.

Neiswinter, James T., South Orange, N. J., assignor to American Telephone and Telegraph Company. Signaling apparatus. 2,425,818; Aug. 19.

Neiswinter, James T., South Orange, N. J., assignor to American Telephone and Telegraph Company. Telegraph distortion measuring system. 2,425,819; Aug. 19.

Neiswinter, James T., South Orange, N. J., assignor to American Telephone and Telegraph Company. Selective system. 2,425,820; Aug. 19.

New Jersey Shipbuilding Corporation, assignee: *See*—
Harris, Frederic R.

Newton, Phillip S., assignor of one-half to P. A. Peters, Oakland, Calif. Method and apparatus for determining the eye color reflex sensation. 2,425,821; Aug. 19.

Nopco Chemical Company, assignee: *See*—
Retzsch, Clinton E., and Lighthipe.

Northcutt, Robert E., Kansas City, Mo., assignor of one-half to M. Y. Wiber. Umbrella holder. 2,426,113; Aug. 19.

Novotney, Frank A., assignor to Anthony Company, Streator, Ill. Elevator. 2,426,114; Aug. 19.

Nydegger, George C., Los Angeles, Calif. Carton erecting apparatus. 2,426,115; Aug. 19.

O'Brien, William L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Heat transfer device with liquid lifting capillary surface. 2,426,044; Aug. 19.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Friction element for brakes. 2,426,116; Aug. 19.

Ohio Brass Company, The, assignee: *See*—
Larrson, Ernst A.
Matthes, Samuel S.
Smith, Edward P.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,425,822; Aug. 19.

Onsrud Machine Works, Inc., assignee: *See*—
Onsrud, Rudolph F.

Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Rotor governor. 2,426,045; Aug. 19.

Ostrovsky, Henry, Philadelphia, Pa. Razor. 2,426,117; Aug. 19.

Overly, Elmer G., Oakmont, Pa. Package unit for envelopes and paper. 2,425,895; Aug. 19.

Page, Vesero F., Seattle, Wash. Scaffold bracket. 2,425,896; Aug. 19.

Pakala, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,426,046; Aug. 19.

Parker, Robert L., Jr., Los Angeles, and H. C. Huffman, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Catalytic dehydrogenation of hydrocarbons. 2,426,118; Aug. 19.

Parsons Company, The, assignee: *See*—
Lichtenberg, Erich H.

Parsons, John B., Toledo, Ohio. Conduit guide device for vehicles. 2,425,823; Aug. 19.

Partin, Albert, Livingston, Mont. Container with discharge passage arranged for measuring by tipping. 2,426,119; Aug. 19.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Fluid seal unit. 2,426,047; Aug. 19.

Perkins Machine and Gear Company, assignee: *See*—
Deloghia, Louis E.

Perry, Donald B.: *See*—
Hoinkis, William, and Perry.

Peters, Paul A., assignee: *See*—
Newton, Phillip S.

Peters, Theodore J., Jr., Roselle, and J. E. J. Kane, Elizabeth, N. J., assignors to Standard Oil Development Company. Producing phenolic sulfides. 2,425,824; Aug. 19.

Peterson, Axel T., New Lenox, Ill., assignor to Wm. E. Pratt Mfg. Co. Centerless grinding machine. 2,425,897; Aug. 19.

Phelps Dodge Copper Products Corporation, assignee: *See*—
Wyatt, Kenneth S.

Philco Corporation, assignee: *See*—
Rundell, Theodore W.

Phillips, Morton L., Ottawa, Kans. Float for fish lines. 2,425,825; Aug. 19.

Phillips Petroleum Company, assignee: *See*—
Leonard, Ancel B., and Hettrick.
McKenna, George E., and Hettick.
Schulze, Walter A.
Schulze, Walter A., and Axe.
Schulze, Walter A., and Crouch.
Wagner, Cary R.

Posey, Thomas W., Brownwood, Tex. Nut cracker. 2,426,120; Aug. 19.

Pratt, Wm. E., Mfg. Co., assignee: *See*—
Peterson, Axel T.

Prentice, James M., South Hadley, Mass. Game apparatus. 2,426,048; Aug. 19.

Pyridium Corporation, assignee: *See*—
Friedman, Harris L., and Braitberg.

Rabenda, Edward J., Binghamton, and F. J. Furman, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled multiple line printing mechanism. 2,426,049; Aug. 19.

Radio Corporation of America, assignee: *See*—
Crosby, Murray G.
Lindenblad, Nils E.
Roberds, Wesley M.
Runge, Frank E.
Schoenborn, Ferdinand J.
Snepvangers, René.
Tunick, Harry.

Radtke, William, Chicago, Ill., assignor to Mojonnier Bros. Co. Heat exchanger. 2,425,826; Aug. 19.

Radwanski, Edward J., Chicago, Ill. Plunger type voltage indicator. 2,426,050; Aug. 19.

Rancourt, Alphonse, Pittsfield, Mass. Roving spool. 2,425,827; Aug. 19.

Reeves, Howard F., Jr.: *See*—
Comstock, Rock L., and Reeves.

Regents of the University of Michigan, The, assignee: *See*—
Blicke, Frederick F.

Reiber, Eugene D., Manor, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control switch. 2,426,051; Aug. 19.

Reichert, Joseph S., and A. T. Hawkinson, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of peroxide solutions. 2,426,154; Aug. 19.

Research Corporation, assignee: *See*—
Barrow, Wilmer L.

Retzsch, Clinton E., Arlington, and C. H. Lightpipe, Bloomfield, assignors to Nopco Chemical Company, Harrison, N. J. Metallic soap dispersions. 2,425,828; Aug. 19.

Riegel, Austin B., San Francisco, Calif. Valve grinder. 2,425,898; Aug. 19.

Rix, Charles H., Storm Lake, Iowa. Overhead garage door keeper. 2,426,052; Aug. 19.

Roberds, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Heating gear with high frequency current. 2,426,053; Aug. 19.

Robert, Alan A., West Hollywood, Calif. Tray and the like. 2,425,952; Aug. 19.

Roberts, Frederick H., Charleston, W. Va., and H. R. Fife, Mount Lebanon, Pa., assignor to Carbide and Carbon Chemicals Corporation. Mixtures of polyoxyalkylene monohydroxy compounds and making such mixtures. 2,425,755; Aug. 19.

Rockwell Manufacturing Company, assignee: *See*—
Bergman, Charles P.

Rode, Fredrich J., Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Increment press. 2,426,155; Aug. 19.

Rogers, James T., assignor to Rogers Manufacturing Company, Inc., Nashville, Tenn. Hauling vehicle. 2,425,953; Aug. 19.

Rogers Manufacturing Company, assignee: *See*—
Rogers, James T.

Rose, Bennie A.: *See*—
Criner, Harry E., and Rose.

Rose, Herbert A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,426,054; Aug. 19.

Rosenberg, Solomon, Los Angeles, Calif. Garment hanger. 2,425,829; Aug. 19.

Rosenthal, Daniel, Brooklyn, N. Y. Synthetic gem composition and method. 2,425,954; Aug. 19.

Ross, Elmer R., assignor to Solar Aircraft Company, San Diego, Calif. Adjustable-electrode arc-welding torch. 2,425,830; Aug. 19.

Ross, William P. V.: *See*—
Blackley, James L., and Ross.

Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making varnishes from polyhydric alcohol mixed esters of β-furylacrylic acid and an acidic natural resin. 2,425,756; Aug. 19.

Rouch, Clayton D., Livonia, N. Y. Boot upper with shaped upper edge. 2,425,955; Aug. 19.

Rozanek, Charles: *See*—
Lubbert, Carl B., and Rozanek.

Rozanek, Charles, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,425,831; Aug. 19.

Rundell, Theodore W., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet construction. 2,426,055; Aug. 19.

Runge, Frank E., Haddon Heights, N. J., assignor to Radio Corporation of America. Electron optical instrument. 2,425,833; Aug. 19.

Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Cyanoacetic acid esters of polyhydric alcohols and making same. 2,426,056; Aug. 19.

Rust, John B., West Orange, and C. A. MacKenzie, Upper Montclair, N. J., assignors to Montclair Research Corporation. Production of organo-silicon compounds. 2,426,121; Aug. 19.

Rust, John B., Montclair, and C. A. MacKenzie, Upper Montclair, N. J., assignors to Montclair Research Corporation. Production of organo-silicon compounds. 2,426,122; Aug. 19.

Sager, Irving, Deal, and E. Wiler, Belmar, N. J. Rotary spark gap. 2,425,757; Aug. 19.

St. Pierre, Henry, Worcester, Mass. Manufacture of solid-forged chain. 2,426,066; Aug. 19.

St. Pierre, Henry, Worcester, Mass. Chain link. 2,426,067; Aug. 19.

Salinger, Hans W. G., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Target seeking device with phototube multiplier. 2,425,956; Aug. 19.

Salisbury, Frederick L., West Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Coaxial line coupling. 2,425,834; Aug. 19.

Samelson, Bernard, assignor to The Deming Company, Salem, Ohio. Pumping system for evacuating containers of liquid. 2,425,957; Aug. 19.

Saunders, James B., Alexandria, Va., assignor to Government of the United States, as represented by the Secretary of the Department of Commerce. Photographic apparatus for recording interference phenomena. 2,425,758; Aug. 19.

Schabot, Bernard W., Ferndale, Mich. Type assembly. 2,426,156; Aug. 19.

Schaefer, Carl A.: *See*—
Van Valkenburg, Hermon L., and Schaefer.

Schellens, Christopher A., Tenants Harbor, Maine, and A. L. Sherman, Englewood, N. J. Fluid driven pump control. 2,425,958; Aug. 19.

Scherer, Wayne R., Trooper, assignor to Taylor Fibre Company, Norristown, Pa. Apparatus for charging molds for gears. 2,425,835; Aug. 19.

Schiller, James C.: *See*—
Seyfried, Wilson D., and Schiller.

Schirrmacher, John C., Jersey City, N. J. Thread magazine. 2,425,836; Aug. 19.

Schoenborn, Ferdinand J., Riverhead, N. Y., assignor to Radio Corporation of America. Coaxial line coupling. 2,425,959; Aug. 19.

Scholl, William M., Chicago, Ill. Cuboid support and heel retainer. 2,425,837; Aug. 19.

Scholz, Caesar R.: *See*—
Djerassi, Carl, and Scholz.

Schultz, Henry F., Flushing, Mich. Trailer hitch. 2,425,838; Aug. 19.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion. 2,425,960; Aug. 19.

Schulze, Walter A., and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic alkylation of aromatic hydrocarbons. 2,425,839; Aug. 19.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Lower alkyl mercaptans as short-stopping agents in butadiene-styrene emulsion polymerization. 2,425,840; Aug. 19.

Schumacher, Earle E.: *See*—
Bouton, George M., and Schumacher.

Schweich, Joseph H., assignor to Well-Kalter Manufacturing Company, St. Louis, Mo. Sewing seam and making same. 2,426,057; Aug. 19.

Scogland, Charles A., assignor to The Studebaker Corporation, South Bend, Ind. Plastic sheet material and method. 2,426,058; Aug. 19.

Scott, Arthur L., Columbus, Ohio. Receptacle closure. 2,425,841; Aug. 19.

Seeburg, J. P., Corporation, assignee: *See*—
Winkler, Marion R.

Sensenig, Miles L., assignor to Dellinger Manufacturing Company, Lancaster, Pa. Roughage cutter and litter disposal device. 2,426,059; Aug. 19.

Serdex, Inc., assignee: *See*—
Coburn, William K.

Servel, Inc., assignee: *See*—
O'Brien, William L.
Thomas, Albert R.

Seybold, Frederick W., Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Manufacture of collapsible tubes. 2,426,060; Aug. 19.

Seyfried, Wilson D., Wooster, and J. C. Schiller, Goose Creek, Tex., assignors to Standard Oil Development Company. Treatment of equipment. 2,425,842; Aug. 19.

Shattuck, Felicia C., Everett, Mass. Bibette. 2,425,961; Aug. 19.

Sheiffele, Arthur L., assignor to W. J. Cameron, Chicago, Ill. Control device for apparatus for recording circulatory conditions. 2,425,899; Aug. 19.

Shell Development Company, assignee: *See*—
Fetterly, Lloyd C.

Shelley, Kew E., executor: *See*—
Baird, John L.

Sherman, Arthur L.: *See*—
Schellens, Christopher A., and Sherman.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter blade. 2,426,123; Aug. 19.

Sill, Leo L., Champaign, Ill. Water flow control for humidifiers. 2,425,962; Aug. 19.

Silva, Thomas, Honolulu, T. H. Lunch kit. 2,425,963; Aug. 19.

Skinner & Kennedy Stationery Co., assignee: *See*—
Fisler, William O.

Skwierawski, Arthur H., West Allis, assignor of one-half to J. M. Herro, Milwaukee, Wis. Drill press attachment. 2,426,124; Aug. 19.

Smidth, F. L., & Co., assignee: *See*—
Horm, Knud.

Smith, Bernard P., Los Angeles, Calif. Vacuum drain stopper. 2,425,964; Aug. 19.

Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Pothead. 2,426,157; Aug. 19.

Smith, F. A., Manufacturing Company, assignee: *See*—
Bean, Frank R.

Smith, Ralph E.: *See*—
Moore, George E., and Smith.

Snavely, Clarence S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Three position electromagnet. 2,425,843; Aug. 19.

Snepvangers, René, Haddon Heights, N. J., assignor to Radio Corporation of America. Electric phonograph pickup of the capacity type. 2,426,061; Aug. 19.

Snook, Harry N.: *See*—
Harris, Fred E., Hegeman, and Snook.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brown, Henry T., and Gorin.
Utterback, Ernest.

Solar Aircraft Company, assignee: *See*—
Ross, Elmer R.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Impedance type distance relay. 2,425,759; Aug. 19.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Distance-type relay with current-compensated voltage restraint. 2,426,062; Aug. 19.

Southland, Benjamin H.: *See*—
Witte, Louis J.

Spaulding, Graydon C., assignor to Industrial Management Corporation, Los Angeles, Calif. Apparatus for filling containers with weighed quantity of gaseous fluid. 2,425,844; Aug. 19.

Sperry Gyroscope Company, Inc., assignee: *See*—
Hansen, William W.
Salisbury, Frederick L.

Sproule, William K., and G. A. Harcourt, Copper Cliff, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Concentrating platinum group metals and gold. 2,425,760; Aug. 19.

Square D Company, assignee: *See*—
Bazley, Ralph L.
Van Valkenburg, Hermon L., and Schaefer.

Staller, Jack J., Winthrop, Mass. Adjustable trigger stop. 2,425,761; Aug. 19.

Standard Catalytic Company, assignee: *See*—
Murphree, Eger V., Tyson, Campbell, and Martin.

Standard Oil Company, assignee: *See*—
Adams, Chester E., and Tom.
Voorhees, Vanderveer.

Standard Oil Development Company, assignee: *See*—
Beach, Leland K.
Cone, John H.
Filbert, Bryson M.
Jahnig, Charles E.
Lieber, Eugene, and Thorner.
Peters, Theodore J., Jr., and Kane.
Seyfried, Wilson D., and Schiller.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
West, Victor E.

Standard Screw Company, assignee: *See*—
Corlett, Webster D.

Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Manufacture of glycol alginates. 2,426,125; Aug. 19.

Steiner Sales Company, assignee: *See*—
Birr, Rudolph G.

Steven, Ray L., Los Angeles, Calif. Heated food package. 2,425,900; Aug. 19.

Stevens, George E., Denver, Colo., assignor to The Western States Machine Company, Hamilton, Ohio. Method and apparatus for affining sugar. 2,426,126; Aug. 19.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Clutch operating mechanism. 2,426,063; Aug. 19.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control mechanism. 2,426,064; Aug. 19.

Stevens, Roy R., Forest Hills, and H. M. Linhart, Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,426,065; Aug. 19.

Stone, Albert R., Anneslie, Md. Azimuth indicator. 2,425,762; Aug. 19.

Stone, J., & Company, assignee: *See*—
Trewren, John C. F.

Streicher, August M., executor: *See*—
Bohnengel, Andrew J.

Studebaker Corporation, The, assignee: *See*—
Scogland, Charles A.

Sun Oil Company, assignee: *See*—
McCorquodale, Wilmer E., and Magill.

Sundheim, Harry G., Jr., Chicago, Ill. Divination box. 2,425,965; Aug. 19.

Taliaferro, William R., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shockproof device. 2,426,068; Aug. 19.

Taylor, Clarence C.: *See*—
Leo, Herbert T., and Taylor.

Taylor Fibre Company, assignee: *See*—
Scherer, Wayne R.

Teigen, Oscar C., Jamaica Plain, Mass. Mop clamping device. 2,425,763; Aug. 19.

Teleflex Incorporated, assignee: *See*—
Cadwallader, Alvin A.

Tenney, William G., Chicago, Ill. Battery terminal. 2,425,764; Aug. 19.

Thomas, Albert R., deceased, Evansville, by The National City Bank, Evansville, Ind., administrator, assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,426,069; Aug. 19.

Thomas, Chester A., Crystal Lake, Ill., assignor to Babson Bros. Co. Milker nipple. 2,425,901; Aug. 19.

Thomas, Robert M., Union, and D. C. Field, Linden, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Coagulating latices of synthetic rubberlike materials. 2,426,127; Aug. 19.

Thompson, Ivan P.: *See*—
Bucknam, James H., and Thompson.

Thorner, Marvin E.: *See*—
Lieber, Eugene, and Thorner.

Timken-Detroit Axle Company, The, assignee: *See*—
Hall, Cortice H.

Tjomsland, Eli H., Maywood, N. J. Shuffleboard weight. 2,425,966; Aug. 19.

Todd, Harry J., Long Island City, N. Y. Window washer's seat. 2,426,070; Aug. 19.

Toggenburger, John, Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Ribbon feed for typewriting machines. 2,425,967; Aug. 19.

Tom, Theodore B.: *See*—
Adams, Chester E., and Tom.

Toussaint, Walter J., South Charleston, W. Va., and H. R. Fife, Mount Lebanon, Pa., assignors to Carbide and Carbon Chemicals Corporation. Mixtures of polyoxyalkylene diols and of making such mixtures. 2,425,845; Aug. 19.

Townsend, Mark A., Lubbock, Tex., assignor to General Electric Company. Starting control for electric discharge devices. 2,425,902; Aug. 19.

Toy Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Unsaturated alkyl esters of aryl phosphonic acids. 2,425,765; Aug. 19.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Unsaturated alkyl esters of alkenyl phosphonic acids. 2,425,766; Aug. 19.

Trewren, John C. F., Sidcup, assignor to J. Stone & Company, Deptford, England. Hinged light. 2,425,846; Aug. 19.

Trowell, William W., Greenville, S. C., assignor to Hercules Powder Company, Wilmington, Del. Plastic compositions made with trimethylolnitromethane. 2,426,128; Aug. 19.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Background noise reducing circuit for audio frequency translating circuit. 2,425,968; Aug. 19.

Twentieth Century-Fox Film Corporation, assignee: *See*—
Witte, Louis J., and Southland.

Tyson, Charles W.: *See*—
Murphree, Eger V., Tyson, Campbell, and Martin.

Underwood Corporation, assignee: *See*—
Toggenburger, John.

Union Oil Company of California, assignee: *See*—
Dillon, Lyle.
Parker, Robert L., Jr., and Huffman.

Union Switch & Signal Company, The, assignee: *See*—
Snavely, Clarence S.

United Aircraft Corporation, assignee: *See*—
Sikorsky, Igor I.
Wald, Quentin R.

United Shoe Machinery Corporation, assignee: *See*—
Waldman, Nathan.

United States Rubber Company, assignee: *See*—
Wilhelm, Kurt E.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.

Upton, Albert P.: *See*—
Gille, Willis H., Field, and Upton.

Utterback, Ernest, Upper Darby, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting gaseous reactions in the presence of solid particles. 2,425,969; Aug. 19.

Vaca, Humberto, Detroit, Mich. Eyeshield for headgear. 2,425,847; Aug. 19.

Vancil, Edgar D., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Lubricating system for milling machines. 2,425,903; Aug. 19.

Vang, Alfred, New York, N. Y. Apparatus for converting electrical condenser discharges into mechanical power. 2,425,767; Aug. 19.

Van Valkenburg, Hermon L., Wauwatosa, and C. A. Schaefer, Whitefish Bay, Wis., assignors to Square D Company, Detroit, Mich. Electric switch. 2,426,129; Aug. 19.

Van Vorst, James H., Dumont, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,425,970; Aug. 19.

Vaughn, Thomas H.: *See*—
Wegst, Walter F., Bacon, Vaughn, and Crawford.

Vawter, Dale, Greensburg, Pa. Portable flushing and filtering unit. 2,425,848; Aug. 19.

Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey N.

Veinott, Cyril G., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating-current motor system. 2,426,071; Aug. 19.

Vernon, James B., Marion, Iowa. Turbine. 2,425,904; Aug. 19.

Vickers-Armstrongs Limited, assignee: *See*—
Holden, Warwick C., and Naylor.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.

Violante, Anthony E., Detroit, Mich. Overhead and swingably mounted balanced door. 2,425,905; Aug. 19.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Powdered catalyst regeneration and recovery. 2,425,849; Aug. 19.

Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Drilling fluids and use. 2,425,768; Aug. 19.

Wainio, Albert W.: *See*—
Gustin, Daniel S., and Wainio.

Wald, Quentin R., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade. 2,426,130; Aug. 19.

Waldman, Nathan, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes with platforms and covers. 2,425,906; Aug. 19.

Walker, Matt, Seattle, Wash. Exercising device. 2,425,971; Aug. 19.

Wall, William C., Ridgewood, and G. A. Wilkens, Ridgefield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blast cleaning. 2,426,072; Aug. 19.

Wallace, Charles L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston device. 2,426,073; Aug. 19.

Wallace, Frank B., Phoenix, Ariz. Self-destruction fuze. 2,425,769; Aug. 19.

Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Electromagnetic device. 2,425,770; Aug. 19.

War, Government of the United States of America, as represented by the Secretary of: *See*—
Lochhead, John L.

Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.
Yost, Karl M.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Aircraft construction for handling cargo. 2,425,972; Aug. 19.

Watters, Joseph C., Atlanta, Ga. Crutch. 2,426,074; Aug. 19.

Wegst, Walter F., and L. R. Bacon, Wyandotte, T. H. Vaughn, Grosse Ile, and D. J. Crawford, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Washing glass surfaces and composition. 2,425,907; Aug. 19.

Weil-Kalter Manufacturing Company, assignee: *See*—
Schweich, Joseph H.

Weirich, David J., Williamstown, N. J. Toy electrical engine. 2,426,131; Aug. 19.

Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Free piston type internal-combustion compressor. 2,425,850; Aug. 19.

West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor rack hinge. 2,425,908; Aug. 19.

Western Electric Company, Incorporated, assignee: *See*—
Adams, George P.
Harris, Fred E., Hegeman, and Snook.
Lubbert, Carl B., and Rozanek.
Rozanek, Charles.

Western States Machine Company, The, assignee: *See*—
Stevens, George E.

Western Union Telegraph Company, The, assignee: *See*—
Kline, Bernard L.

Westinghouse Air Brake Company, The, assignee: *See*—
Stevens, Roy R.
Wallace, Charles L.

Westinghouse Electric Corporation, assignee: *See*—
Bingenheimer, Melvin.
Boykin, John R.
Criner, Harry E., and Rose.
Denault, Clinton L.
Edwards, Hilbert E.
Exner, Donald W.
Fitzgerald, Edward B.
Goldsborough, Shirley L.
Gustin, Daniel S., and Wainio.
Hanna, Clinton R., and Lynn.
Harder, Edwin L.
Harris, Walter R.
Jeppesen, Kresten L., and Keays.
Kovalsky, Joseph F.
Kuhn, Edmund W.
Lenehan, Bernard E.
Leonard, Merrill G.
Lindbeck, Simon L.
Mahoney, John R., and Bichsel.
Mueller, Erich O.
Pakala, William E.
Reiber, Eugene D.
Rose, Herbert A.
Sonnemann, William K.
Taliaferro, William R.
Veinott, Cyril G.
Weybrew, Thelbert L.

Weybrew, Thelbert L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for series-parallel motor operation. 2,426,075; Aug. 19.

Wiber, Morris Y., assignee: *See*—
Northcutt, Robert E.

Wiggins, John H., Chicago, Ill. Floating roof for liquid storage tanks. 2,425,771; Aug. 19.

Wight, Sedgwick N., O. S. Field, and N. B. Coley, assignors to General Railway Signal Company, Rochester, N. Y. Airplane approach control system. 2,425,973; Aug. 19.

Wiler, Edward: *See*—
Sager, Irving, and Wiler.

Wilhelm, Kurt E., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Controlling thread tension. 2,425,909; Aug. 19.

Wilkins, George A.: *See*—
Wall, William C., and Wilkins.

Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Van Vorst, James H.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Axle generator drive. 2,426,132; Aug. 19.

Willis, Charles C., Bound Brook, N. J., assignor to Crown Fastener Corporation, Warren, R. I. Awning structure. 2,426,133; Aug. 19.

Wilson, Alton B., Kansas City, Mo. Bung and spigot locking equipment for barrels and containers. 2,426,134; Aug. 19.

Wilson, Cyril D., Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric cyanine dyestuffs. 2,425,772; Aug. 19.

Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyanine dyes with recurring cyanine nuclei. 2,425,773; Aug. 19.

Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric dyestuff intermediates and obtaining the same. 2,425,774; Aug. 19.

Wilson, Theodore J.: *See*—
Gille, Willis H., Field, and Wilson.

Winkler, Marion R., Milwaukee, Wis., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,425,974; Aug. 19.

Witte, Louis J., Beverly Hills, and B. H. Southland, West Los Angeles, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Device for making sound effects. 2,425,975; Aug. 19.

Wyandotte Chemicals Corporation, assignee: *See*—
Wegst, Walter F., Bacon, Vaughn, and Crawford.

Wyatt, Kenneth S., Bronxville, N. Y., assignor to Phelps Dodge Copper Products Corporation, Dover, Del. Gas filled cable. 2,425,851; Aug. 19.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Johnstone, Theodore H.

Yarborough, Vivvien L., San Francisco, Calif. Building heating and cooling panel system. 2,425,775; Aug. 19.

Yost, Karl M., assignor to Warner Electric Brake Manufacturing Company, Beloit, Wis. Brake. 2,426,135; Aug. 19.

Young, John A., Beaumont, Tex. Ceiling and wall cleaning brush. 2,425,852; Aug. 19.

Zavarella, Raphael, Pittsburgh, Pa. Wheel suspension. 2,425,853; Aug. 19.

Zenzes, Alexander M., New York, N. Y. Treatment of vegetable matter and product obtained. 2,426,076; Aug. 19.

LIST OF PLANT INVENTIONS

Rose plant. H. M. Eddie. 753; Aug. 19.

Rose plant. A. Krebs. 752; Aug. 19.

LIST OF DESIGN INVENTIONS

Bank, Coin. R. V. Moran. 147,345–6; Aug. 19.
Bookkeeping machine. J. Streng. 147,355; Aug. 19.
Bottle or similar article, Perfume. E. B. Barrios. 147,313; Aug. 19.
Brooch. F. J. Gargano. 147,326; Aug. 19.
Button or similar article. D. Kasen. 147,330–1; Aug. 19.
Cabinet or the like, Radio. R. E. Bingman. 147,316; Aug. 19.
Carriage or similar article, Baby. L. Gottfried. 147,327–8; Aug. 19.
Case for religious shrine or the like. W. T. Jones. 147,329; Aug. 19.
Chart, Music information. B. Belle. 147,314; Aug. 19.
Control for electric circuits, Foot pedal. B. Eisenberg and O. B. Schwarz. 147,322; Aug. 19.
Cover for bottles, Decorative. F. Koenigsberger. 147,337; Aug. 19.
Dispenser, Cigarette. I. B. Sherr. 147,354; Aug. 19.
Fabric, Plastic. H. Morris. 147,347; Aug. 19.
Fan, Ventilating. J. B. Koch. 147,336; Aug. 19.
Fixture, Lighting. F. W. Watkins. 147,357; Aug. 19.
Knife or similar article. F. D. Patti. 147,349; Aug. 19.
Lace or similar article. O. Frei. 147,324–5; Aug. 19.
Lamp for automobiles, Fog. G. C. Knight. 147,335; Aug. 19.
Lamp, Surgical. J. T. Armbruster. 147,312; Aug. 19.
Lighter, Desk type cigarette. H. Erlanger. 147,323; Aug. 19.
Orphrey or similar article. O. A. Scheurmann. 147,351–3; Aug. 19.
Peg board. O. F. Larsen, Jr. 147,340; Aug. 19.
Photographic, Printer or the like. C. E. Breen. 147,317; Aug. 19.
Pipe, Smoking. C. C. Benz. 147,315; Aug. 19.
Range top and back guard assembly, Combined. R. E. Kruck. 147,338; Aug. 19.
Shoe. J. M. Carpenter. 147,318; Aug. 19.
Shoe. K. A. Stritter. 147,356; Aug. 19.
Sink. L. Keller. 147,332–4; Aug. 19.
Speaker. R. S. Latham. 147,341; Aug. 19.
Step device, Infants'. E. M. Raffman, Jr. 147,350; Aug. 19.
Tablecloth or similar article. J. S. Madsen. 147,342; Aug. 19.
Textile fabric. H. W. Wilde. 147,358; Aug. 19.
Toilet seat, Child's. W. J. Dunn and R. R. Richolt. 147,321; Aug. 19.
Towboat. J. D. McMichael, Jr. 147,343–4; Aug. 19.
Toy steamboat. O. F. Larsen, Jr. 147,339; Aug. 19.
Walker or similar article, Baby J. D. Cuccio. 147,320; Aug. 19.
Wave machine, Permanent. H. D. Chapman. 147,319; Aug. 19.
Welding machine, Resistance. J. J. Panik. 147,348; Aug. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acyl cyanides, Preparation of. W. F. Gresham. 2,426,014; Aug. 19.
Adjustably mounted bearing. N. R. Krause. 2,425,943; Aug. 19.
Adjuster for railway brake rigging, Slack. F. E. Bachman. 2,425,979; Aug. 19.
Adjusting means for lathe attachments. E. Baerwalde. 2,425,780; Aug. 19.
Adjustment for plate cylinders, Double. J. L. Blackley and W. P. V. Ross. 2,425,914; Aug. 19.
Aircraft construction for handling cargo. M. Watter. 2,425,972; Aug. 19.
Aircraft, Free-winged. D. D. Fehr. 2,426,086; Aug. 19.
Airplane approach control system. S. N. Wight, O. S. Field, and N. B. Coley. 2,425,973; Aug. 19.
Alarm system. F. F. Denzler. 2,426,085; Aug. 19.
Alcohols, Oxidation of. D. C. Hull. 2,425,879; Aug. 19.
Alcohols, Oxidation of lower aliphatic. D. C. Hull. 2,425,878; Aug. 19.
Alcohols, Oxidation of lower aliphatic. D. C. Hull. 2,425,880; Aug. 19.
Alkyl chlorides and petroleum fractions, Catalytic conversion of mixtures of. H. T. Brown and E. Gorin. 2,425,861; Aug. 19.
Alkyl esters of alkenyl phosphonic acids, Unsaturated. A. D. F. Toy. 2,425,766; Aug. 19.
Alkyl esters of aryl phosphonic acids, Unsaturated. A. D. F. Toy. 2,425,765; Aug. 19.
Alkyl mercaptans as short-stopping agents in butadiene-styrene emulsion polymerization, Lower. W. A. Schulze and W. Crouch. 2,425,840; Aug. 19.
Antenna, End fire directive. N. E. Lindenblad. 2,425,887; Aug. 19.
Apparatus for charging molds for gears. W. R. Scherer. 2,425,835; Aug. 19.
Apparatus for converting electrical condenser discharges into mechanical power. A. Vang. 2,425,767; Aug. 19.
Apparatus for cooling under ultra violet radiation and vacuum conditions. W. L. Maxson. 2,425,816; Aug. 19.
Apparatus for detecting flaws in rails. W. C. Barnes and H. W. Keevil. 2,425,857; Aug. 19.
Apparatus for filling containers with weighed quantity of gaseous fluid. G. C. Spaulding. 2,425,844; Aug. 19.
Apparatus for grinding food in a vacuum chamber. H. A. Appel and E. J. Le Blanc. 2,425,912; Aug. 19.
Apparatus for measuring voltages. E. L. Kent. 2,425,811; Aug. 19.
Apparatus for producing justified type matter. H. R. Freund. 2,426,146; Aug. 19.
Apparatus for taking folded or unfolded sheets of paper from a pile thereof and conveying the same to a device for further treatment. R. Hepp. 2,425,936; Aug. 19.
Articles from polyisobutylene, styrene and divinyl benzene, Producing hard electrically insulating. W. Mertens. 2,426,111; Aug. 19.
Attachment for tractors. J. W. Ing. 2,425,806; Aug. 19.
Awning structure. C. C. Willis. 2,426,133; Aug. 19.
Axle generator drive. A. O. Williams. 2,426,132; Aug. 19.
Azimuth indicator. A. R. Stone. 2,425,762; Aug. 19.
Band, Wrist-watch. K. A. Moyer. 2,425,894; Aug. 19.
Bank, Savings. K. J. Gray. 2,425,874; Aug. 19.
Basket, Sanitary sink. B. Justin. 2,426,025; Aug. 19.
Beam, Metal nailing. W. J. Hall. 2,425,798; Aug. 19.
Bearing: *See*—
  Adjustably mounted bearing.
  Circulating ball race propeller blade bearing.
Bed for tractors, Pickup. J. I. Michaels. 2,425,892; Aug. 19.
Bed switch. R. A. Fletcher. 2,425,790; Aug. 19.
Bevel device. H. Galbraith. 2,425,732; Aug. 19.
Bibette. F. C. Shattuck. 2,425,961; Aug. 19.
Bit, Bridle. H. and L. Garcia. 2,425,930; Aug. 19.
Blade, Helicopter. I. I. Sikorsky. 2,426,123; Aug. 19.
Blade, Rotor. Q. R. Wald. 2,426,130; Aug. 19.
Blast cleaning. W. C. Wall and G. A. Wilkins. 2,426,072; Aug. 19.
Block: *See*—
  Toy block.
  Tube holding block.
Boot upper with shaped upper edge. C. D. Rouch. 2,425,955; Aug. 19.
Box: *See*—
  Divination box.
Brace, Cargo. E. O. Hermann. 2,425,875; Aug. 19.
Brace, Rail. J. H. Asselin. 2,426,137–8; Aug. 19.
Bracket: *See*—
  Scaffold bracket.
Bracket for floats on shipboard, Stowage. A. N. Anderson. 2,425,911; Aug. 19.
Brake. K. M. Yost. 2,426,135; Aug. 19.
Brush, Ceiling and wall cleaning. J. A. Young. 2,425,852; Aug. 19.
Building heating and cooling panel system. V. L. Yarborough. 2,425,775; Aug. 19.
Cabinet structure, Dispensing. R. G. Birr. 2,425,915; Aug. 19.
Cabinet structure, Towel. R. G. Birr. 2,425,916; Aug. 19.
Cable: *See*—
  Gas filled cable.
Cable for reinforcing pipe during bending operation. V. E. Hamilton, Jr. 2,425,800; Aug. 19.
Cam and follower mechanism for straight knitting machines. J. E. Lynam. 2,426,036; Aug. 19.
Cap and remover therefor, Bottle. G. H. Hutaff, Jr. 2,426,101; Aug. 19.
Cap for glass bottles. G. H. Hutaff, Jr. 2,426,102; Aug. 19.
Capsules and the like, Cleaning. S. Blackman. 2,425,984; Aug. 19.
Carton erecting apparatus. G. C. Nydegger. 2,426,115; Aug. 19.
Casting and rapid analysis of alloys. G. M. Bouton and F. E. Schumacher. 2,425,725; Aug. 19.
Catalyst regeneration and recovery, Powdered. V. Voorhees. 2,425,849; Aug. 19.
Cement manufacture. K. Horn. 2,426,147; Aug. 19.
Cement powders and acidproof mortars. K. Dietz. 2,425,976; Aug. 19.
Chain, Manufacture of solid-forged. H. St. Pierre. 2,426,066; Aug. 19.
Chair. W. E. Janssen. 2,425,884; Aug. 19.
Charge forming device. F. C. Mock. 2,426,153; Aug. 19.
Check valve. G. L. Miller. 2,426,040; Aug. 19.
Chuck tool holder. E. J. Brisben. 2,425,988; Aug. 19.
Cigarette maker. A. R. Matteson and P. G. Hebner. 2,425,888; Aug. 19.
Circuit: *See*—
  Frequency discriminator circuit.
  Frequency divider and discriminator circuit.
Circuit breaker, Thermal and magnetic trip. M. Bingenheimer. 2,425,983; Aug. 19.
Circuit for measuring minimum values of unidirectional voltage pulses. J. R. Boykin. 2,425,987; Aug. 19.
Circulating ball race propeller blade bearing. W. S. Hoover. 2,425,938; Aug. 19.
Clamp: *See*—
  Wiener roasting clamp.
Claw assembly for milking machines. F. A. Gessler. 2,425,873; Aug. 19.
Cloth roll mechanism for looms. C. P. Bergstrom and A. J. Herard, Jr. 2,425,781; Aug. 19.
Clutch. J. M. Dodwell. 2,425,731; Aug. 19.
Clutch. K. L. Jeppesen and P. H. Keays. 2,426,023; Aug. 19.
Clutch operating mechanism. R. R. Stevens. 2,426,063; Aug. 19.
Clutch wear signal. O. J. Blomberg. 2,425,985; Aug. 19.
Coating apparatus, Electrostatic. D. S. Gustin and A. W. Wainio. 2,426,016; Aug. 19.
Coaxial line coupling. F. L. Salisbury. 2,425,834; Aug. 19.
Coaxial line coupling. F. J. Schoenborn. 2,425,959; Aug. 19.
Coil winding method. J. Gartner. 2,426,090; Aug. 19.
Collar fastener. E. Mleczek. 2,425,949; Aug. 19.
Coloring garnet. F. P. Hauck. 2,426,020; Aug. 19.
Combination collar pin. A. C. Forsland. 2,425,872; Aug. 19.
Commutator. E. O. Mueller. 2,426,042; Aug. 19.
Compass, Scale. J. F. Budnick. 2,425,862; Aug. 19.
Composite decorative unit. W. C. Gregory. 2,425,933; Aug. 19.
Compound meter. C. P. Bergman. 2,425,720; Aug. 19.
Compressor. R. J. Kuntz. 2,425,813; Aug. 19.
Compressor, Centrifugal. I. C. Jennings. 2,425,885; Aug. 19.
Compressor, Free piston type internal-combustion. R. J. Welsh. 2,425,850; Aug. 19.
Concrete structural element reinforced with glass filaments. J. G. Jackson. 2,425,883; Aug. 19.
Confectionery making machine. J. J. Kooman. 2,425,942; Aug. 19.
Connector. F. E. Harris, A. S. Hegeman, Jr., and H. N. Snook. 2,425,802; Aug 19
Construction for pipe-line fittings. L. S. Hamer. 2,425,934; Aug. 19.
Contacting solids and gaseous fluid. C. E. Jahnig. 2,425,807; Aug. 19.

Container with discharge passage arranged for measuring by tipping. A. Partin. 2,426,119; Aug. 19.
Control apparatus for positioned device, Electronic. W. H. Gille, W. J. Field, and A. P. Upton. 2,425,733; Aug. 19.
Control device. W. C. Buescher. 2,425,990; Aug. 19.
Control device for apparatus for recording circulatory conditions. A. L. Sheiffele. 2,425,899; Aug. 19.
Control device for forming impulses, Electronic. J. R. Mahoney and H. J. Bichsel. 2,426,037; Aug. 19.
Control for charging circuits, Electronic. M. A. Knight and J. A. Taylor. 2,425,743; Aug. 19.
Control for electric discharge devices, Starting. M. A. Townsend. 2,425,902; Aug. 19.
Control for electric motors, Hydraulic. E. B. Fitzgerald. 2,426,006; Aug. 19.
Control network. E. L. Harder. 2,426,018; Aug. 19.
Control switch. E. D. Reiber. 2,426,051; Aug. 19.
Control system for series-parallel motor operation. T. L. Weybrew. 2,426,075; Aug. 19.
Control valve device. R. R. Stevens and H. M. Linhart. 2,426,065; Aug. 19.
Conveyor. R. A. Brady. 2,425,860; Aug. 19.
Core covering apparatus with tension controlling and stopping means. G. P. Adams. 2,425,977; Aug. 19.
Cotton textile goods, Bleaching. D. J. Campbell. 2,426,142; Aug. 19.
Coupling: *See*—
Coaxial line coupling. Draft coupling.
Coupling and torque converter, Turbine type rotary fluid. J. Jandasek. 2,426,103; Aug. 19.
Crayon and making same, Soapstone. A. M. Hossenlopp. 2,425,804; Aug. 19.
Creeper, Ice. C. L. Howard. 2,425,939; Aug. 19.
Crutch. J. C. Watters. 2,426,074; Aug. 19.
Cup decorating machine. W. H. Emerson. 2,425,928; Aug. 19.
Current responsive switch. J. W. McClain. 2,426,038; Aug. 19.
Cutter and litter disposal device, Roughage. M. L. Sensenig. 2,426,059; Aug. 19.
Cyanoacetic acid esters of polyhydric alcohols and making same. J. B. Rust. 2,426,056; Aug. 19.
Cylinder, Lock. L. L. Kell. 2,426,141; Aug. 19.
Cylinder structure. P. L. Loewe. 2,426,108; Aug. 19.
Depressor, Confection tongue. J. M. Leach. 2,425,945; Aug. 19.
Detector, Oscillating frequency. E. Labin. 2,426,030; Aug. 19.
Detector, Phase modulation. M. G. Crosby. 2,425,924; Aug. 19.
Device for holding objects to be copied or photographed. T. E. Crockett. 2,425,921; Aug. 19.
Device for making sound effects. L. J. Witte and B. H. Southland. 2,425,975; Aug. 19.
Difluoroethane, Preparation of. R. E. Burk, D. D. Coffman, and G. H. Kalb. 2,425,991; Aug. 19.
Discharge head. F. B. Allen. 2,425,779; Aug. 19.
Dishwashing device, Portable. R. Krebs. 2,425,812; Aug. 19.
Dispenser: *See*—
Sugar dispenser. Toothpick dispenser.
Ditching machine. E. H. Lichtenberg. 2,425,746; Aug. 19.
Divination box. H. G. Sundheim. 2,425,965; Aug. 19.
Door: *See*—
Overhead and swingably mounted balanced door.
Door keeper, Overhead garage. C. H. Rix. 2,426,052; Aug. 19.
Draft coupling. E. H. Hershowitz. 2,426,099; Aug. 19.
Drill holes, Method and apparatus for logging. L. Dillon. 2,425,868–9; Aug. 19.
Drill press attachment. A. H. Skwierawski. 2,426,124; Aug. 19.
Drilling fluids and use. C. R. Wagner. 2,425,768; Aug. 19.
Drum, Percussion. C. P. Cordes. 2,425,996; Aug. 19.
Dyes with recurring cyanine nuclei, Cyanine. C. D. Wilson. 2,425,773; Aug. 19.
Dyestuff intermediates and obtaining same, Polymeric. C. D. Wilson. 2,425,774; Aug. 19.
Dyestuffs, Polymeric cyanine. C. D. Wilson. 2,425,772; Aug. 19.
Electric switch. E. J. Frank and H. P. Fitzpatrick. 2,426,009; Aug. 19.
Electric switch. H. L. Van Valkenburg and C. A. Schaefer. 2,426,129; Aug. 19.
Electrode retrieving means, Broken. S. W. Kemock. 2,426,105; Aug. 19.
Electromagnet, Three position. C. S. Snavely. 2,425,843; Aug. 19.
Electromagnetic device. L. S. Walle. 2,425,770; Aug. 19.
Electron discharge device. F. B. Llewellyn. 2,425,748; Aug. 19.
Electronic amplifier controlled relay. W. H. Gille, W. J. Field, and T. J. Wilson. 2,425,734; Aug. 19.
Elevator. F. A. Novotney. 2,426,114; Aug. 19.
Elevator device. G. E. Mullinix. 2,425,753; Aug. 19.
Eliminating foaming in the recovery of sulphuric acid from an olefin recovery operation. J. H. Cone. 2,426,082; Aug. 19.
Eliminating foaming in the recovery of sulphuric acid from an olefin recovery operation. B. M. Filbert. 2,426,088; Aug. 19.
Engine: *See*—
Toy electrical engine.
Equipment, Treatment of. W. D. Seyfried and J. C. Schiller. 2,425,842; Aug. 19.
Exercising device. M. Walker. 2,425,971; Aug. 19.
Eye color reflex sensation, Method and apparatus for determining. P. S. Newton. 2,425,821; Aug. 19.
Eyeshield for headgear. H. Vaca. 2,425,847; Aug. 19.
Fan. W. O. Fisler. 2,425,789; Aug. 19.
Fastener: *See*—
Collar fastener.
Feed mechanism for planers, Work-started. A. A. Kvalheim. 2,425,944; Aug. 19.
Fifth wheel. G. and C. Den Besten. 2,426,002; Aug. 19.
Filament supporting structure for incandescent lamps. P. O. Cartun. 2,425,864–5; Aug. 19.
Filaments, Preparation of. J. E. Bludworth and C. Hutson. 2,425,782; Aug. 19.
Film moving mechanism. G. Laude and L. E. Belger. 2,425,814; Aug. 19.
Fire extinguisher. C. H. Barnes. 2,425,715; Aug. 19.
Fire extinguisher. E. Jones and J. Flanders. 2,426,024; Aug. 19.
Fire extinguishing system. F. B. Allen. 2,425,778; Aug. 19.
Firing platform for artillery. A. P. Firing. 2,425,783; Aug. 19.
Flame hardening gear teeth, Method of and apparatus for. F. McGuire, Jr. 2,425,751; Aug. 19.
Float for fish lines. M. L. Philips. 2,425,825; Aug. 19.
Fluid driven pump control. C. A. Schellens and A. L. Sherman. 2,425,958; Aug. 19.
Fluid pressure control mechanism. R. R. Stevens. 2,426,064; Aug. 19.
Fluid seal unit. F. E. Payne. 2,426,047; Aug. 19.
Flushing and filtering unit, Portable. D. Vawter. 2,425,848; Aug. 19.
Food package, Heated. R. L. Steven. 2,425,900; Aug. 19.
Foundry mold coating. L. E. Anderson, Jr., and R. A. Coolahan. 2,425,978; Aug. 19.
Frame construction with attachment strips. W. H. Neely. 2,425,951; Aug. 19.
Freezing of foods, Quick. J. M. Baer. 2,425,714; Aug. 19.
Frequency discriminator, Balanced. E. Bard and M. J. Kobilsky. 2,425,981; Aug. 19.
Frequency discriminator circuit. M. G. Crosby. 2,425,922; Aug. 19.
Frequency divider and discriminator circuit. M. G. Crosby. 2,425,923; Aug. 19.
Friction element for brakes. J. G. Oetzel. 2,426,116; Aug. 19.
Furfural, Stabilization of. R. L. Comstock and H. F. Reeves, Jr. 2,426,143; Aug. 19.
Furnace: *See*—
Steam boiler furnace.
Furnace fronts, Protective means for heating. L. E. Delaghia. 2,426,084; Aug. 19.
Furniture, Concealed basin. H. S. Meldahl. 2,426,152; Aug. 19.
Fuse, Self-destruction. F. B. Wallace. 2,425,769; Aug. 19.
Game apparatus. J. M. Prentice. 2,426,048; Aug. 19.
Garden hose holder. W. J. Molitor. 2,425,893; Aug. 19.
Garment construction. J. Clyne. 2,426,144; Aug. 19.
Garment hanger. S. Rosenberg. 2,425,829; Aug. 19.
Gas filled cable. K. S. Wyatt. 2,425,851; Aug. 19.
Gaseous reactions in the presence of solid particles, Method and apparatus for conducting. E. Utterback. 2,425,969; Aug. 19.
Gear with high frequency current, Heating. W. M. Roberds. 2,426,053; Aug. 19.
Gearing, Reversible. J. N. Lavery. 2,425,815; Aug. 19.
Gem composition and method, Synthetic. D. Rosenthal. 2,425,954; Aug. 19.
Generator fault protection. D. W. Exner. 2,426,005; Aug. 19.
Generator voltage regulation. S. L. Lindbeck. 2,426,035; Aug. 19.
Glass surfaces and composition, Washing. W. F. Wegst, L. R. Bacon, T. H. Vaughn, and D. J. Crawford. 2,425,907; Aug. 19.
Glove. A. Charney. 2,425,784; Aug. 19.
Glow and slow acting tube. J. H. Homrighous. 2,425,877; Aug. 19.
Glucose bisulfite compounds of alkoxy amino pyridine. H. L. Friedman and L. D. Braitberg. 2,426,011; Aug. 19.
Glucosidamino compounds of alkoxy pyridine. H. L. Friedman and L. D. Braitberg. 2,426,012; Aug. 19.
Glycol alginates, Manufacture of. A. B. Steiner. 2,426,125; Aug. 19.
Golf club. J. J. Jakosky. 2,425,808; Aug. 19.
Governor, Rotor. R. F. Onsrud. 2,426,045; Aug. 19.
Grinder, Cutter. O. M. Braaten. 2,425,859; Aug. 19.
Grinder, Valve. A. B. Riegel. 2,425,898; Aug. 19.
Grinding machine. R. L. Basley. 2,425,982; Aug. 19.
Grinding machine, Centerless. A. T. Peterson. 2,425,897; Aug. 19.

Grit separator. W. H. Green and H. W. Gillard. 2,425,932; Aug. 19.
Guide device for vehicles, Conduit. J. B. Parsons. 2,425,823; Aug. 19.
Guide, Mortising. E. B. Dixen. 2,426,003; Aug. 19.
Gyroscope controlled antenna stabilizer. C. R. Hanna and L. B. Lynn. 2,425,737; Aug. 19.
Ham press. C. Butz. 2,425,727; Aug. 19.
Hanger: *See*—
Garment hanger.
Hauling vehicle. J. T. Rogers. 2,425,953; Aug. 19.
Heat exchange element. N. Kramer. 2,426,107; Aug. 19.
Heat exchanger. W. Radtke. 2,425,826; Aug. 19.
Heat indicator. A. Bak. 2,426,077; Aug. 19.
Heat transfer device with liquid lifting capillary surface. W. L. O'Brien. 2,426,044; Aug. 19.
Heating system. E. R. Gillespie. 2,425,797; Aug. 19.
Hinge, Floor rack. V. E. West. 2,425,908; Aug. 19.
Hinged light. J. C. F. Trewren. 2,425,846; Aug. 19.
Hitch, Ski binding. E. H. Carroll 2,425,993; Aug. 19.
Hoist, Chain. G. E. Moore and R. E. Smith. 2,426,112; Aug. 19.
Holder: *See*—
Chuck tool holder. Umbrella holder.
Garden hose holder.
Horn, Electromagnetic. W. L. Barrow. 2,425,716; Aug. 19.
Hydraulic pump or motor of the radial cylinder type. W. C. Holden and J. C. Naylor. 2,426,100; Aug. 19.
Hydraulic tensile testing machine. A. J. Golick. 2,425,931; Aug. 19.
Hydrides, Production of alkaline earth. P. P. Alexander. 2,425,712; Aug. 19.
Hydrides, Production of metal. P. P. Alexander. 2,425,711; Aug. 19.
Hydrocarbon conversion. W. A. Schulze. 2,425,960; Aug. 19.
Hydrocarbons, Catalytic alkylation of aromatic. W. A. Schulze and W. N. Axe. 2,425,839; Aug. 19.
Hydrocarbons, Catalytic dehydrogenation of. R. L. Parker, Jr., and H. C. Huffman. 2,426,118; Aug. 19.
Hydrogen fluoride from gases, Recovery of. A. B. Leonard and G. R. Hettick. 2,425,745; Aug. 19.
Hydrogen fluoride from water and organic contaminants by distillation and decantation, Separation of. G. E. McKenna and G. R. Hettick. 2,425,752; Aug. 19.
Hydrogen production. E. V. Murphree, C. W. Tyson, D. L. Campbell, and H. Z. Martin. 2,425,754; Aug. 19.
Hydrosulfides to neutral sulfur substances, Conversion of. L. C. Fetterly. 2,426,087; Aug. 19.
Impact wrench. L. P. Fosnot. 2,425,793; Aug. 19.
Implement, Self-propelled. N. F. Andrews. 2,425,855; Aug. 19.
Increment press. F. J. Rode. 2,426,155; Aug. 19.
Indicator: *See*—
Azimuth indicator. Remote controlled electrical indicator.
Heat indicator.
Plunger type voltage indicator.
Indicator for airplane engines, Operation. W. H. Fitzgerald, Jr. 2,426,089; Aug. 19.
Indicator for dial instruments, Manually adjustable. S. Kahn. 2,425,941; Aug. 19.
Indicator for teletypewriter line-test key, Visual. W. Hoinkis and D. B. Perry. 2,425,803; Aug. 19.
Inertia responsive device. M. G. Leonard. 2,426,034; Aug. 19.
Joint: *See*—
Universal joint.
Kit, Lunch. T. Silva. 2,425,963; Aug. 19.
Lamp retaining means for fluorescent lamp sockets. C. H. Hodgkins. 2,426,022; Aug. 19.
Latch and setting mechanism therefor, Thermoresponsive. F. McKune. 2,426,039; Aug. 19.
Latices of synthetic rubberlike materials, Coagulating. R. M. Thomas and D. C. Field. 2,426,127; Aug. 19.
Launching and landing of land-airbased airplanes. S. S. Knox. 2,425,886; Aug. 19.
Laundry apparatus. H. E. Edwards. 2,425,788; Aug. 19.
Lead resinate and producing. H. A. Elliott. 2,425,926; Aug. 19.
Life raft releasing mechanism. A. N. Anderson. 2,425,910; Aug. 19.
Light: *See*—
Hinged light.
Lighting, Stage. S. F. Hardman. 2,426,093; Aug. 19.
Link, Chain. H. St. Pierre. 2,426,067; Aug. 19.
Linoleum, Manufacture of. J. L. Berger. 2,425,719; Aug. 19.
Lock: *See*—
Panic lock.
Lock. T. H. Johnstone. 2,426,104; Aug. 19.
Lock for machine guns, Bolt. J. L. Lochhead. 2,425,749; Aug. 19.
Locking equipment for barrels and containers, Bung and spigot. A. B. Wilson. 2,426,134; Aug. 19.
Lubricating apparatus. E. W. Davis. 2,425,867; Aug. 19.
Lubricating system for milling machines. E. D. Vancil and F. A. Hassman. 2,425,903; Aug. 19.
Lubricating warp knitting machines, Cam and roller. F. Lambach. 2,425,744; Aug. 19.
Machine for automatically punching converter tuyères. G. B. Forbes. 2,425,792; Aug. 19.
Machine for forming drinking cups. E. Conti. 2,425,786; Aug. 19.
Magazine, Thread. J. C. Schirrmacher. 2,425,836; Aug. 19.
Mattress. T. S. Cobb. 2,425,728; Aug. 19.
Measuring tape feed. A. J. Bohnengel. 2,425,724; Aug. 19.
Mercaptan extraction. C. E. Adams and T. B. Tom. 2,425,776; Aug. 19.
Mercaptan from hydrocarbon oil, Extraction of. C. E. Adams and T. B. Tom. 2,425,777; Aug. 19.
Metal molding material, Making. I. W. Cox. 2,425,919; Aug. 19.
Meter: *See*—
Compound meter.
Mineral fillers, Nonsettling. A. R. Bollaert. 2,426,140; Aug. 19.
Mixtures of polyoxyalkylene monohydroxy compounds and making such mixtures. F. H. Roberts and H. R. Fife. 2,425,755; Aug. 19.
Mold. C. B. Lubbert and C. Rozanek. 2,425,832; Aug. 19.
Mold parts, Production of. D. E. Cutler. 2,426,000; Aug. 19.
Molding apparatus. C. Rozanek. 2,425,831; Aug. 19.
Monorail track support. G. C. Henderson. 2,425,739; Aug. 19.
Mop clamping device. O. C. Teigen. 2,425,763; Aug. 19.
Motor controlling apparatus, Electric. E. W. Kuhn. 2,426,029; Aug. 19.
Motor system, Alternating-current. C. G. Veinott. 2,426,071; Aug. 19.
Multiple-belts, Applying. V. R. Clark. 2,425,785; Aug. 19.
Multispindle machine, Continuous operation. E. C. Bunnell. 2,425,726; Aug. 19.
Nipple, Milker. C. A. Thomas. 2,425,901; Aug. 19.
Nitriles, Production of chlorinated aliphatic. J. J. Gray and F. Burgess. 2,426,091; Aug. 19.
Noise reducing circuit for audio frequency translating circuits, Background. H. Tunick. 2,425,968; Aug. 19.
Nozzle, Agitator. C. S. Brown. 2,425,918; Aug. 19.
Nozzle, Blowpipe. J. H. Bucknam and I. P. Thompson. 2,425,709–10; Aug. 19.
Nut cracker. T. W. Posey. 2,426,120; Aug. 19.
Oil composition, Lubricating. E. Lieber and M. E. Thorner. 2,425,747; Aug. 19.
Oil, Electrical. E. S. Flynn. 2,425,791; Aug. 19.
Olefins, Isomerizing tertiary. L. K. Beach. 2,425,858; Aug. 19.
1,3-butylene glycol, Preparing. C. H. Hamblet and A. McAlevy. 2,426,017; Aug. 19.
Optical aligner. J. O. McCarty. 2,425,750; Aug. 19.
Optical instrument, Electron. F. E. Runge. 2,425,833; Aug. 19.
Ores of zinc, Treating oxidized. N. C. Christensen. 2,425,995; Aug. 19.
Organo-silicon compounds, Production of. J. B. Rust and C. A. MacKenzie. 2,426,121–2; Aug. 19.
Orifices in pipe in wells, Explosively inserting. M. M. Kinley. 2,426,106; Aug. 19.
Oscillator, Pulsed. W. Hausz and A. Alvira. 2,426,021; Aug. 19.
Overhead and swingably mounted balanced door. A. E. Violante. 2,425,905; Aug. 19.
Oxidation of lower aliphatic alcohols. D. C. Hull. 2,425,881–2; Aug. 19.
Package unit for envelopes and paper. E. G. Overly. 2,425,895; Aug. 19.
Panic lock. J. H. Moorhouse. 2,426,041; Aug. 19.
Pectin, Preparing. H. T. Leo and C. C. Taylor. 2,425,947; Aug. 19.
Peroxide solutions, Stabilization of. J. S. Reichert and A. T. Hawkinson. 2,426,514; Aug. 19.
Petroleum, Distillation of crude. W. E. McCorquodale, Jr., and L. G. Magill. 2,426,110; Aug. 19.
Phenolic sulfide, Producing. T. J. Peters, Jr., and J. E. J. Kane. 2,425,824; Aug. 19.
Phonograph, Automatic. M. R. Winkler. 2,425,974; Aug. 19.
Phonograph pickup of the capacity type, Electric. R. Snepvangers. 2,426,061; Aug. 19.
Photochemical chlorination of polyvinyl chloride. J. Chapman and J. W. C. Crawford. 2,426,080; Aug. 19.
Photo printer, Automatic. E. H. Grogan. 2,426,092; Aug. 19.
Photographic apparatus for recording interference phenomena. J. B. Saunders. 2,425,758; Aug. 19.
Photographic overlay chart, Method of and apparatus for preparing. W. P. Foster. 2,425,929; Aug. 19.
Piano action. A. P. Brown. 2,425,989; Aug. 19.
Pigment and other materials to paper, Method of and apparatus for applying. G. D. Muggleton. 2,426,043; Aug. 19.
Pin: *See*—
Combination collar pin.
Pipe fitting. E. A. Mosca. 2,425,817; Aug. 19.
Piston device. C. L. Wallace. 2,426,073; Aug. 19.
Pitch propeller arrangement, Variable. A. G. Forsyth. 2,426,007; Aug. 19.
Plastic compositions made with trimethylol nitromethane. W. W. Trowell. 2,426,128; Aug. 19.

Platinum group metals and gold, Concentrating. W. K. Sproule and G. A. Harcourt. 2,425,760; Aug. 19.
Plunger type voltage indicator. E. J. Radwinski. 2,426,050; Aug. 19.
Polyoxyalkylene diols and making such mixtures, Mixtures of. W. J. Toussaint and H. R. Fife. 2,425,845; Aug. 19.
Popgun. E. R. Conklin. 2,425,866; Aug. 19.
Pothead. E. P. Smith. 2,426,157; Aug. 19.
Powder, Propellent. H. B. Alexander. 2,425,854; Aug. 19.
Power transmission control means. V. E. Matulaitis. 2,425,880-90; Aug. 19.
Power unit for aircraft and the like. A. G. Forsyth. 2,426,004; Aug. 19.
Press: *See*—
Ham press. Single acting flat-bed web perfecting printing press.
Increment press.
Press feed. W. D. Chilton. 2,425,994; Aug. 19.
Primer for blasting, Safety. H. B. Humphrey. 2,425,741; Aug. 19.
Printing mechanism, Record controlled multiple line. E. J. Rabenda and F. J. Furman. 2,426,049; Aug. 19.
Projection apparatus, Light. F. E. Carlson. 2,425,863; Aug. 19.
Pumping system for evacuating containers of liquid. B. Samelson. 2,425,957; Aug. 19.
Quick-acting connection. A. A. Cadwallader. 2,425,992; Aug. 19.
Razor. H. Ostrovsky. 2,426,117; Aug. 19.
Receptacle closure. A. L. Scott. 2,425,841; Aug. 19.
Recorder, Chronometric. W. K. Coburn. 2,426,145; Aug. 19.
Recording blank, Electrosensitive. B. L. Kline. 2,425,742; Aug. 19.
Refractories and making. J. C. McMullen. 2,425,891; Aug. 19.
Refrigeration. A. R. Thomas. 2,426,069; Aug. 19.
Refrigerator cabinet construction. T. W. Rundell. 2,426,055; Aug. 19.
Regulating system. J. F. Kovalsky. 2,426,027; Aug. 19.
Relay, Distance-type product-responsive. S. L. Goldsborough. 2,426,013; Aug. 19.
Relay, Distant type product responsive. B. E. Lenehan. 2,426,033; Aug. 19.
Relay, Impedance type distance. S. L. Goldsborough. 2,425,735; Aug. 19.
Relay, Impedance type distance. W. K. Sonnemann. 2,425,756; Aug. 19.
Relay with current-compensated voltage restraint, Distance type. W. K. Sonnemann. 2,426,062; Aug. 19.
Release mechanism, Overload. C. H. Hall. 2,425,736; Aug. 19.
Remote controlled electrical indicator. H. N. Bliss. 2,426,079; Aug. 19.
Retainer for napkin dispensers, Follower. E. Agamalte, Jr. 2,426,136; Aug. 19.
Ribbon feed device for typewriters, Auxiliary. J. R. Geser. 2,425,794; Aug. 19.
Ribbon feed for typewriting machines. J. Toggenburger. 2,425,967; Aug. 19.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 2,425,771; Aug. 19.
Roofs, Stabilizing means for movable. W. G. Laird. 2,426,031; Aug. 19.
Rotor-slot ventilation for dynamo-electric machines. H. E. Criner and B. A. Rose. 2,425,997; Aug. 19.
Safety mechanism. C. L. Denault. 2,426,001; Aug. 19.
Sanding machine. A. F. Krueger. 2,426,028; Aug. 19.
Saw set. D. W. Hively. 2,425,876; Aug. 19.
Scaffold bracket. V. F. Page. 2,425,896; Aug. 19.
Screen for television. J. L. Baird. 2,425,980; Aug. 19.
Seat: *See*—
Window washer's seat.
Selective system. J. T. Nelswinter. 2,425,820; Aug. 19.
Separator: *See*—
Grit separator.
Sewing machine. J. H. Van Vorst. 2,425,970; Aug. 19.
Sewing seam and making same. J. H. Schweich. 2,426,057; Aug. 19.
Sheet material and method, Plastic. C. A. Scogland. 2,426,058; Aug. 19.
Shells, Method and apparatus for forming the rims of cylindrical. D. Bohm. 2,425,986; Aug. 19.
Shield for vacuum coolers, Splash. A. H. Heineman. 2,426,095; Aug. 19.
Ships, Building. F. R. Harris. 2,426,094; Aug. 19.
Shockproof device. W. R. Taliaferro. 2,426,068; Aug. 19.
Shoes with platforms and covers, Making. N. Waldman. 2,425,906; Aug. 19.
Shrinker, Angle. C. L. Beard. 2,425,913; Aug. 19.
Signal: *See*—
Clutch wear signal.
Signal portraying apparatus. H. M. Crosby. 2,425,999; Aug. 19.
Signal transmission device. M. Morrison. 2,425,950; Aug. 19.
Signaling apparatus. J. T. Nelswinter. 2,425,818; Aug. 19.
Signaling system. F. H. Hanley. 2,425,801; Aug. 19.
Single acting flat-bed web perfecting printing press. P. F. Cox. 2,425,920; Aug. 19.
Spindle, Wrap. O. Fregeolle. 2,426,010; Aug. 19.
Soap dispersions, Metallic. C. E. Retzsch and C. H. Lighthipe. 2,425,828; Aug. 19.
Socket, Bedpost rail. W. R. Elrad. 2,425,927; Aug. 19.
Spark gap, Rotary. I. Sager and E. Wiler. 2,425,757; Aug. 19.
Spatula, Ear. N. F. Brignola. 2,425,917; Aug. 19.
Spool, Roving. A. Rancourt. 2,425,827; Aug. 19.
Sprayer, Multiple nozzle self-propelled. N. J. Iverson. 2,425,940; Aug. 19.
Stabilizer for motor-driven vehicle. C. A. Cracraft. 2,425,787; Aug. 19.
Stand with memoranda paper supply device, Calendar. H. G. Davis. 2,425,925; Aug. 19.
Starting device for internal-combustion engines. A. Lee. 2,425,946; Aug. 19.
Steam boiler furnace. J. R. Evans. 2,426,004; Aug. 19.
Stereoscopic range and height finder with adjustable reticles. L. M. Applegate. 2,425,713; Aug. 19.
Stop, Burglar. W. Hilton. 2,425,937; Aug. 19.
Stopper, Vacuum drain. B. P. Smith. 2,425,964; Aug. 19.
Structures, Making laminated. F. W. Hyman. 2,425,805; Aug. 19.
Sugar dispenser. S. J. Beebe. 2,425,718; Aug. 19.
Sugar, Method and apparatus for affining. G. E. Stevens. 2,426,126; Aug. 19.
Sulphates, Reduction of. K. Horn. 2,425,740; Aug. 19.
Support: *See*—
Monorail track support.
Support and heel retainer, Cuboid. W. M. Scholl. 2,425,837; Aug. 19.
Switch: *See*—
Bed switch. Current responsive switch.
Control switch. Electric switch.
Table having folding supports, Ironing. H. V. Keller. 2,425,810; Aug. 19.
Tappet. W. D. Corlett. 2,426,083; Aug. 19.
Target seeking device with phototube multiplier. H. W. G. Salinger. 2,425,956; Aug. 19.
Telegraph distortion measuring system. J. T. Nelswinter. 2,425,819; Aug. 19.
Terminal, Battery. W. G. Tenney. 2,425,764; Aug. 19.
Tertiary ethers, Preparation of. W. E. Grigsby. 2,426,015; Aug. 19.
Thermal reduction of metals. S. E. Hybinette and F. C. Cary. 2,426,148; Aug. 19.
Thermostat control mechanism for heating systems. G. W. Crise. 2,425,998; Aug. 19.
Thermostatic switch assembly. F. R. Bean. 2,425,717; Aug. 19.
Thiophene compounds and obtaining the same. F. F. Blicke. 2,425,721-3; Aug. 19.
Thread severing device for sewing machines. A. D. Kehrer. 2,426,026; Aug. 19.
Thread tension, Controlling. K. E. Wilhelm. 2,425,909; Aug. 19.
Thymoxy-acetamidines. C. Djerassi and C. R. Scholz. 2,425,730; Aug. 19.
Tool control mechanism for machine tools. B. S. T. Bishop and F. A. Bicknell. 2,426,139; Aug. 19.
Toothpick dispenser. J. E. Kenkel. 2,426,149; Aug. 19.
Torch, Adjustable-electrode arc-welding. E. R. Ross. 2,425,830; Aug. 19.
Toy block. W. N. de Sherbinin. 2,425,729; Aug. 19.
Toy electrical engine. D. J. Weirich. 2,426,131; Aug. 19.
Track, Trussed. H. Y. Law. 2,426,032; Aug. 19.
Trailer hitch. H. F. Schultz. 2,425,838; Aug. 19.
Tray and the like. A. A. Robert. 2,425,952; Aug. 19.
Tray for armchairs, bridge tables, and the like, Attachable. P. Heller. 2,426,097; Aug. 19.
Trigger stop, Adjustable. J. J. Staller. 2,425,761; Aug. 19.
Trolley pole head, Cushioned. E. A. Larsson. 2,426,150; Aug. 19.
Trolley wire support and attachment therefor. S. S. Matthes. 2,426,151; Aug. 19.
Truck, Railway car. R. J. Olander. 2,425,822; Aug. 19.
Tube: *See*—
Glow and slow acting tube
Tube holding block. R. L. Hayman. 2,425,935; Aug. 19.
Tube structure, Tunable high-frequency electron. W. W. Hansen. 2,425,738; Aug. 19.
Tubes, Manufacture of collapsible. F. W. Seybold. 2,426,060; Aug. 19.
Turbine. J. B. Vernon. 2,425,904; Aug. 19.
Turbine plant, Compound internal-combustion. F. A. M. Heppner. 2,426,098; Aug. 19.
Type assembly. B. W. Schabot. 2,426,156; Aug. 19.
Umbrella holder. R. E. Northcutt. 2,426,113; Aug. 19.
Universal joint. C. M. Johnson. 2,425,809; Aug. 19.
Valve: *See*—
Check valve.
Valve control mechanism for saxophones and the like, Octave. E. J. Gillespie. 2,425,796; Aug. 19.
Valve guard for saxophones and the like, Demountable. E. J. Gillespie. 2,425,795; Aug. 19.
Vapor electric device. W. E. Pakala. 2,426,046; Aug. 19.
Vapor electric device. H. A. Rose. 2,426,054; Aug. 19.
Varnishes from polyhydric alcohol mixed esters of β-furylacrylic acid and an acidic natural resin. H. S. Rothrock. 2,425,756; Aug. 19.

Vegetable matter and product obtained, Treatment of. A. M. Zenzes. 2,426,076; Aug. 19.
Vehicle: *See*—
Hauling vehicle.
Vehicle of connected sections, Powered. R. Lucien. 2,425,948; Aug. 19.
Vending machine. C. H. Dixon. 2,425,870; Aug. 19.
Ward Leonard control system. W. R. Harris. 2,426,019; Aug. 19.
Washing machine transmission. R. E. Bassett, Jr. 2,426,078; Aug. 19.
Water flow control for humidifiers. L. L. Sill. 2,425,962; Aug. 19.
Weight, Shuffleboard. E. H. Tjomsland. 2,425,966; Aug. 19.
Wheel: *See*—
Fifth wheel.
Wheel assembly, Dual. C. S. Ash. 2,425,856; Aug. 19.
Wheel structure. G. A. Lyon. 2,426,109; Aug. 19.
Wheel suspension. R. Zavarella. 2,425,853; Aug. 19.
Wheelbarrow. M. F. Cheek. 2,426,081; Aug. 19.
Wiener roasting clamp. J. C. Hamilton. 2,425,799; Aug. 19.
Window washer's seat. H. J. Todd. 2,426,070; Aug. 19.
Wire twisting apparatus, Safety. H. H. Elchorst. 2,425,871; Aug. 19.
Work holding mechanism. H. K. Hecker. 2,426,095; Aug. 19.
Wrench: *See*—
Impact wrench.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 19, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Department of Commerce
W. AVERELL HARRIMAN, *Secretary*

U. S. Patent Office
CASPER W. OOMS, *Commissioner*

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Patents expiring: Patent Numbers 1,773,713 to 1,774,497, inclusive, issued August 26, 1930, expire August 26, 1947

Condition of Applications Under Examination at Close of Business Aug. 8, 1947

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,102; Trade-Mark Division, 12,597. Oldest new case, Sept. 27, 1945; oldest amended, Sept. 21, 1945.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application awaiting office action	Oldest amended application awaiting office action	Applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	*Oct. 25	Jan. 18	3,070
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	*Oct. 30	*Dec. 12	3,723
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	Apr. 27	May 1	1,690
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Feb. 25	Mar. 4	3,300
5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	*Sept. 27	*Sept. 21	3,745
6. SURLE, H., Carbon Chemistry (part)	July 26	July 12	2,162
7. HANLIN, GEORGE, Optics; Photographic Apparatus	Sept. 4	Sept. 14	1,658
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Feb. 5	Mar. 1	4,097
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	*Dec. 28	Jan. 2	2,197
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	May 15	May 29	1,185
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Oct. 25	Oct. 24	842
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	Apr. 1	Feb. 19	2,097
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	*Nov. 13	*Nov. 19	2,335
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	May 31	May 15	1,304
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	*Nov. 2	*Nov. 3	2,025
16. LOVEWELL, N. N., Telegraphy; Telephony	Feb. 18	June 20	1,466
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	Apr. 20	Mar. 19	1,670
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	*Nov. 15	*Nov. 30	1,625
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Apr. 15	Apr. 27	1,768
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes.	*Dec. 12	Jan. 12	1,846
21. MADER, R. C. (Acting), Textiles	Sept. 19	Sept. 26	909
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Feb. 7	Feb. 8	1,992
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	*Oct. 12	*Oct. 18	1,170
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 10	Dec. 5	1,697
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Feb. 21	Feb. 13	1,722
26. YOUNG, R. R., Electricity—Generation and Motive Power	Mar. 1	Jan. 18	2,234
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	Apr. 4	Mar. 1	2,664
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Feb. 5	Feb. 8	1,326
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Feb. 19	Mar. 28	2,719
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Apr. 3	Apr. 9	2,590
31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons; Halogenated Hydrocarbons; Hydrogenation of Carbon Oxides.	Oct. 4	Oct. 4	1,081
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Feb. 15	Feb. 18	2,590
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	*Nov. 20	*Nov. 21	3,344
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Jan. 16	Jan. 25	1,408
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Feb. 15	Apr. 24	2,494
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	*Nov. 30	*Dec. 17	1,879
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 29	Apr. 11	1,576
38. ARNOLD, D. (Acting), Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	Mar. 27	Apr. 6	1,592
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	*Nov. 10	*Nov. 1	2,695
40. DRUMMOND, E. J., Receptacles (part); Packages	Mar. 11	Mar. 12	2,936
41. HERTZ, M., Recorders; Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles.	Feb. 7	July 10	506
42. MARANS, H., Electric Signaling	Nov. 19	Oct. 3	774
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 28	Aug. 17	950
44. HARVEY, L. P., Refrigeration; Preserving	*Dec. 21	*Dec. 11	1,349
45. MANTER, W. B. (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Jan. 7	Jan. 10	2,437
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Mar. 27	Apr. 1	1,459
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	Mar. 9	Apr. 6	2,115

NOTE.—The dates given are 1946 except where * indicates 1945 and † indicates 1947.

(Total number of applications awaiting action, excluding Trade-Mark Division, 149,102; Trade-Mark Division, 12,597. Oldest new case, Sept. 27, 1945; oldest amended, Sept. 21, 1945.)

DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	Applications awaiting action
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Jan. 15	Jan. 18	1,847
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Mar. 29	Apr. 1	1,524
50. LEVIN, SAMUEL, Synthetic Resins	June 26	June 26	2,596
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Mar. 7	Mar. 12	1,984
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Apr. 24	Apr. 15	3,530
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Book Making; Manifolding; Printed Matter; Stationery; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Jan. 18	Jan. 11	4,076
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	May 4	May 16	2,104
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery	Jan. 29	Mar. 15	1,328
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Acetylene; Gas Mixing	Aug. 27	Aug. 24	1,264
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Jan. 7	Feb. 21	3,322
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	May 2	May 20	1,319
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	*Dec. 12	*Dec. 21	2,118
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	*Dec. 8	June 5	2,051
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	Jan. 18	Jan. 29	2,957
62. PUGH, E. C., Games; Tables; Mechanical Guns and Projectors	Dec. 22	Jan. 8	1,846
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Apr. 3	Jan. 26	2,230
64. NASH, P. M., Compositions—Coating or Plastic (part), Fuel and Miscellaneous	Nov. 4	Oct. 30	1,807
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Insulators and Connectors	July 23	May 24	1,119
66. LISANN, I., Geometrical Instruments	*Oct. 17	*Oct. 29	2,250
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	*Dec. 19	*Dec. 20	1,868
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	Apr. 1	Mar. 25	1,681
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters.	*Dec. 8	*Dec. 6	1,303
TRADE-MARKS: MERCHANT, J. H	Oct. 31	†Jan. 4	12,597
DESIGNS: BREHM, G. L. (Acting)	Apr. 3	†Jan. 10	8,968

NOTE.—The dates given are 1946 except where * indicates 1945 and † indicates 1947.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

JOSSERAND *v.* TAYLOR

No. 4,745. Decided November 4, 1946

[159 F.(2d) 249; 72 USPQ 357]

INTERFERENCE—PETITION TO REOPEN—EFFECT OF.

A petition to reopen an interference in which final judgment was rendered at a former term of this court, on the ground that the winning party perpetrated a fraud upon the court, is in effect a bill of review or an application for leave to file a bill of review in the Patent Office.

BILL OF REVIEW—GROUNDS FOR—EXTRINSIC FRAUD.

Relief may be obtained in equity by a bill of review only in the event that a final judgment or decree rendered at a former term was obtained by fraud, extrinsic or collateral to the issues tried and finally determined.

SAME—SAME—SAME.

Unless there is at least some evidence of record tending to establish that the decision of this court in the interference case was obtained by fraud, extrinsic or collateral to the issue tried, appellee is not entitled to the relief prayed for in his petition.

SAME—SAME—SAME.

If the court had any serious doubt as to whether appellant perpetrated a fraud, extrinsic or collateral to the issues determined in the interference case, or if the question of such fraud was difficult of ascertainment, it would be the duty of the court to grant appellee's application for leave to file a bill of review in the Patent Office.

SAME—SAME—SAME.

Where the question of originality was raised in the interference proceeding and decided adversely to appellee, that issue was disposed of by the final decision of this court and it can not now be properly considered in a bill of review, unless there is some evidence in the record now before us of fraud, extrinsic or collateral to the issues finally decided in the interference proceeding.

SAME—SAME—SAME.

Evidence reviewed and *Held* that since the record wholly fails to establish that any fraud was committed by appellant on this court as to any material issue in the interference proceeding, the petition to reopen denied.

ON PETITION TO REOPEN. Denied.

Lester B. Clark for Josserand.

Leonard L. Kalish (*Paul & Paul* of counsel) for Taylor.

HATFIELD, *J.*:

This is a petition by appellee (Taylor) to reopen the interference between the parties Louis P. Josserand and Samuel Herbert Taylor, Jr. (31 C. C. P. A. (Patents) 709, 138 F.(2d) 58, 59 USPQ 140, decided July 6, 1943) in this court, or for leave to apply to the proper tribunal of the Patent Office to reopen it, or that the court authorize the proper Patent Office tribunal to reopen it, and that the court grant such other relief as it may deem proper.

The petition, although not so denominated, is in effect a bill of review or an application for leave to file a bill of review in the Patent Office, it being claimed that the party Josserand perpetrated a fraud upon this court in the interference proceeding in which priority of the invention, defined by the count in issue, was awarded to him.

It is the contention of counsel for appellee that the party Josserand, in a public-use proceeding "confessed fraud in inducing and obtaining the award-of-priority" and repudiated his testimony and that of his witnesses in the interference proceeding "upon which [testimony] he fraudulently induced this court's award-of-priority to him." It is further contended that Josserand and his witnesses who testified that the elements called for by the count were present in the Galveston theater, committed perjury; that Josserand had nothing whatsoever to do with the Galveston drive-in theater but "merely assimilated or 'annexed' this 1934 Galveston drive-in theater for his purposes in the interference, seven years after the event, by adroitly manufactured evidence; as part of his scheme to steal an invention about which he knew nothing until it was disclosed to him by Taylor's licensee, W. W. Smith and by Taylor's sub-licensee, Robert E. Power, in Los Angeles on October 21, 1939 (one week before Josserand filed his application-in-interference)." It is alleged, also, in appellee's petition that Josserand's confession of fraud is disclosed in his answer in the public-use proceedings, his brief filed therein, and his testimony and that of his witnesses; that it appears therefrom that the theater constructed on the beach at Galveston was merely an experiment; that it was not completed; that the construction was not a reduction to practice of the drive-in theater defined by the count in interference; that in his testimony appellee stated among other things that "The theater itself was a whole lot more on paper and testimony than it ever was on the sands of the beach of Galveston at that time. Verbally it appears to much better advantage than it did on the beach"; and that in Josserand's brief it is stated that "Each, Mrs. Howard, Josserand and Emenhiser testified as to the experimental nature of the theater and its operation, and their testimony is not consistent with the testimony of the interference record." (It may be stated at this point that in the oral argument in this court, counsel for appellant stated that the word "*not*" in the fore-

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going quotation was a typographical error and that he had no intention of stating that the evidence in the public-use proceeding was inconsistent with the evidence in the interference.)

It is further stated in appellee's petition that, because of the repudiation by Josserand of his testimony and that of his witnesses in the interference case, appellee Taylor "had no alternative but to examine a sufficiently large number of disinterested and reputable persons of recognized standing in their community (Galveston) who had either had actual connection with the 1934 Galveston drive-in theater or had personally observed its construction and structure so as to resolve, beyond peradventure," that although there was a public use of a drive-in theater, there were no inclined drive-over ramps or inclined parking ramps in appellant's drive-in theater as called for by the count involved in the interference; but that on the contrary, the car-parking area in the 1934 Galveston drive-in theater "was nothing more than flat beach surface with the natural down-incline towards the water's edge."

The count in the interference reads:

In a drive-in theater a plurality of inclined parking ramps for elevating the front ends of automobiles parked in said theater, a plurality of inclined drive-over ramps merging with the higher portions of said parking ramps, and a plurality of driveways, each of said driveways merging with the lower portion of one of said drive-over ramps on one side thereof and with the lower portion of one of said parking ramps on the other side thereof.

It is true that in his testimony in the public-use proceeding, appellant Josserand stated "The theater itself was a whole lot more on paper and testimony than it ever was on the sands of the beach of Galveston at that time" and that "Verbally it appears to much better advantage than it did on the beach." Nevertheless, appellant stated over and over again in his testimony that the invention defined by the quoted count was constructed on the beach at Galveston, and each of his witnesses who testified in that proceeding corroborated his testimony in that regard.

It is also true that appellant and each of his witnesses in the public-use proceeding testified that the theater was not completed at the time of its destruction by a storm (the destruction of which was explained in our decision in the interference proceeding) and that the operation of his drive-in theater was experimental in character. It is apparent from the record that in testifying that the theater was not complete at the time of its destruction, each of the witnesses intended to be understood as saying that the drive-over ramps and other elements of the invention, as defined by the count in issue, were not extended to cover the complete area of the theater grounds.

So far as the experimental nature of the Galveston drive-in theater is concerned, it may be stated that prior to the construction of that theater, the party Josserand and the witness A. H. Emenhiser, who was in charge of the construction, had attempted to lease some property from the witness T. D. Dunn, Jr., of Houston, Tex., for the purpose of constructing a drive-in theater thereon; that the witness Dunn was somewhat skeptical of the success of such a theater; and that for that reason, and because of the comparative difference in the cost of constructing a temporary theater on the beach and a permanent structure on the Dunn property, it was decided that a so-called "experimental theater" should be constructed on the beach at Galveston. (It appears that it would cost approximately $1,500 to construct a temporary drive-in theater on the beach, whereas the cost of constructing a permanent one on the property of Mr. Dunn would be approximately $30,000.)

The features of the Josserand theater, which have been referred to as experimental, were, namely, (1) to determine whether the public would be interested in a drive-in theater, and (2) to build the necessary driveways, inclined parking ramps, and inclined drive-over ramps, as called for by the count in interference, so that all persons seated in automobiles located in all parts of the theater could, without difficulty, see the picture being shown. It may be said in this connection that in his preliminary statement in the interference proceeding the party Josserand referred to the fact that he had experimented with the so-called Galveston drive-in theater, and the court referred to that fact in its decision.

Obviously, no one would seriously contend that a permanent theater, having inclined parking ramps for elevating the front ends of automobiles, together with the other elements called for by the count in the interference, would be constructed by any sensible person on the sands of a beach. Nevertheless, it appeared from the evidence in the interference proceeding and from the testimony of the party Josserand and his witnesses in the public-use proceeding that a drive-in theater, conforming to the count in issue, was constructed and successfully, although temporarily, operated on the beach at Galveston.

In order to establish that the party Josserand's drive-in theater at Galveston was not constructed in conformity with the count in the interference, and that appellant and his witnesses perpetrated a fraud upon this court by committing perjury in that proceeding, appellee introduced in the public-use proceeding the testimony of approximately fifteen witnesses. Many of those witnesses, who were interrogated regarding the elements called for by the count involved in the interference and who testified some ten years subsequent to the construction of the theater in question, stated that there were no inclined parking ramps, as called for by the count, or that they did not see such inclined parking ramps in the theater. So far as appears from the record, all of those witnesses were available and could have been called to testify in the interference proceeding. Why they were not called is not explained.

The presence of the elements called for by the count in issue in appellant's drive-in theater on the beach at Galveston, Tex., and the reduction to practice of the invention, were fully tried and decided by this court, at a former term, in our decision in the interference proceeding, in which proceeding the sufficiency of the evidence and the credibility of appellant's witnesses were fully considered and determined.

It has repeatedly been held by the Supreme Court and by the circuit courts of appeals that relief may be obtained in equity by a bill of review only in the event that a final judgment or decree rendered at a former term by a court having jurisdiction of the issues presented, was obtained by fraud, extrinsic or collateral to the issues tried and finally determined. *United States* v. *Throckmorton*, 98 U. S. 61; *Vance* v. *Burbank*, 101 U. S. 514; *Hilton* v. *Guyot*, 159 U. S. 113, 207; *United States* v. *Beebe*, 180 U. S. 343; *Greenameyer* v. *Coate*, 212 U. S. 434, 444; *United States* v. *Atkins*, 260 U. S. 220, 224; *Toledo Co.* v. *Computing Co.*, 261 U. S. 399, 421–425; *United States* v. *Gleeson*, 90 Fed. 778; *Nelson* v. *Meehan*, 155 Fed. 1; *Pickens* v. *Merriam*, 242 Fed. 363; *Chicago, R. I. & P. Ry. Co.* v. *Callicotte*, 267 Fed. 799; *United States* v. *Atkins*, 268 Fed. 923–930 and *Raymond et al.* v. *Wickersham*, 29 C. C. P. A. (Patents) 1166, 129 F.(2d) 522, 54 USPQ 244, and cases therein cited and reviewed.

In the Throckmorton case, the Supreme Court, after considering various decisions, stated that

We think these decisions establish the doctrine on which we decide the present case; namely, that the acts for which a court of equity will on account of fraud set aside or annul a judgment or decree, between the same parties, rendered by a court of competent jurisdiction, *have relation to frauds, extrinsic or collateral, to the matter tried by the first court, and not to a fraud in the matter on which the decree was rendered.* [Italics not quoted.]

That the mischief of retrying every case in which the judgment or decree rendered on false testimony, given by perjured witnesses, or on contracts or documents whose genuineness or validity was in issue, and which are afterwards ascertained to be forged or fraudulent, would be greater, by reason of the endless nature of the strife, than any compensation arising from doing justice in individual cases.

It is clear from the cited decisions that unless there is at least some evidence of record tending to establish that the decision of this court in the interference case was obtained by fraud, extrinsic or collateral to the issues tried and finally determined in that case, appellee is not entitled to the relief prayed for in his petition. If there is such evidence of record, the testimony of appellee's witnesses regarding the issue determined in the interference proceeding that the elements of the count in interference were present in appellant's Galveston drive-in theater, is wholly unnecessary. On the contrary, if there is no such evidence, the testimony of appellee's witnesses in that regard is wholly irrelevant to the issues presented.

It may be pointed out, as a matter of some interest, that although the witnesses Joseph Townsend, Sr., Richard Townsend, Ted Townsend, and John Harris who testified on behalf of the party Josserand in the interference proceeding, and who either had charge of constructing the drive-over ramps and the other elements called for by the count in interference, or of maintaining those elements, were subpoenaed in the so-called public-use proceeding by counsel for appellee, they were not called as witnesses. It is fair to assume, therefore, that their testimony as to the construction of the Galveston drive-in theater would not have been satisfactory to the position taken by counsel for appellee, who undoubtedly, at the time those witnesses were subpoenaed, had in mind the filing of a petition to reopen the interference case on the ground of alleged fraud in the presentation of Josserand's case. The testimony of those witnesses has been fully outlined in our decision in the interference proceeding and need not be repeated here.

The question of originality was raised by counsel for appellee in the public-use proceeding, and is relied upon here as one of the grounds in appellee's bill of review or petition for leave to file a bill of review in the Patent Office. That issue was also raised in the interference proceeding, and although not discussed in our decision in that case, it was, however, decided adversely to appellee, the court holding that appellant was the first to conceive the invention and the first to reduce it to practice. The same issue was raised in appellee's petition for rehearing which was denied by the court without opinion. Owing to the fact that that issue was disposed of in the interference proceeding by the final decision of this court, it can not now be properly considered in a bill of review or in a petition for leave to file a bill of review, unless there is some evidence in the record now before us of fraud, extrinsic or collateral to the issues finally decided in the interference proceeding. See cases hereinbefore cited.

It is contended here by counsel for appellee that the rule relative to extrinsic or collateral fraud, announced by the Supreme Court in the case of *United States* v. *Throckmorton*, hereinbefore set forth, and reaffirmed by that Court in *Vance* v. *Burbank*, *Hilton* v. *Guyot*, *United States* v. *Beebe*, *United States* v. *Atkins* and *Toledo Co.* v. *Computing Co.*, supra, and followed by the circuit courts of appeals in the cases hereinbefore cited, has been repudiated by the Supreme Court in the cases of *Hazel-Atlas Co.* v. *Hartford Empire Co.*, 322 U. S. 238, *Precision Co.* v. *Automotive Co.*, 324 U. S. 806, *Universal Oil Products Co.* v. *Root Refining Co.*, — U. S. —, decided June 10, 1946, and *Knauer* v. *United States*, — U. S. —, also decided June 10, 1946.

Counsel for appellee relies chiefly upon the decision in the Hazel-Atlas Co. case, and argues that the Supreme Court there held that it was the duty of a Federal court to nullify a judgment or decree rendered at a former term, obtained by either extrinsic or intrinsic fraud, and that, therefore, the evidence introduced by appellee in the public-use proceeding, relative to the existence in appellant's Galveston drive-in theater of the elements of the count involved in the interference, as well as that pertaining to the issue of originality, is properly before this court in this proceeding.

We are unable to concur in the views expressed by counsel for appellee that it was the intention of the Supreme Court in the Hazel-Atlas Co. case, supra, to overrule the decisions of that court and those of the circuit courts of appeals, hereinbefore cited, and to hold that a judgment or decree ren-

dered by a Federal court at a former term, obtained by intrinsic fraud as distinguished from extrinsic or collateral fraud, should be nullified in a proceeding such as here involved. No mention was made in the Court's opinion of the terms "extrinsic" or "intrinsic" fraud. Furthermore, we think it is clear from the decision in that case that the Court was of opinion that the fraud therein referred to was extrinsic or collateral to the issues finally determined by the circuit court of appeals in that case.

In its decision relative to the facts before it, the Court stated:

> In 1926 Hartford had pending an application for a patent on a machine which utilized a method of pouring glass into molds known as "gob feeding." The application, according to the circuit court, "was confronted with apparently insurmountable Patent Office opposition." To help along the application, certain officials and attorneys of Hartford determined to have published in a trade journal an article signed by an ostensibly disinterested expert which would describe the "gob feeding" device as a remarkable advance in the art of fashioning glass by machine. Accordingly these officials prepared an article entitled "Introduction of Automatic Glass Working Machinery; How Received by Organized Labor," which referred to "gob feeding" as one of the two "revolutionary devices" with which workmen skilled in bottle-blowing had been confronted since they had organized. After unsuccessfully attempting to persuade the president of the Bottle Blowers' Association to sign this article, the Hartford officials, together with other persons called to their aid, procured the signature of one William P. Clarke, widely known as national president of the Flint Glass Workers' Union. Subsequently, in July 1926, the article was published in the National Glass Budget, and in October 1926 it was introduced as part of the record in support of the pending application in the Patent Office. January 3, 1928, the Patent Office granted the application as Patent No. 1,655,391.

The Court, in discussing the issues, further stated that

> Every element of the fraud here disclosed demands the exercise of the historic power of equity to set aside fraudulently begotten judgments. *This is not simply a case of a judgment obtained with the aid of a witness who, on the basis of after-discovered evidence, is believed possibly to have been guilty of perjury.* Here, even if we consider nothing but Hartford's sworn admissions, *we find a deliberately planned and carefully executed scheme to defraud not only the Patent Office but the circuit court of appeals.* Cf. *Marshall* v. *Holmes*, supra. Proof of the scheme, and of its complete success up to date, is conclusive. Cf. *United States* v. *Throckmorton*, supra. [Italics not quoted.]

It will be observed that in referring in its decision to its finding that "a deliberately planned and carefully executed scheme [that is, a conspiracy entered into and carried out by certain officials and attorneys of the Hartford Company] to defraud not only the Patent Office but the circuit court of appeals," the Court cited the case of *Marshall* v. *Holmes*, 141 U. S. 589, and that in its reference to the "Proof of the scheme, and of its complete success up to date, is conclusive" it cited the case of *United States* v. *Throckmorton*, supra.

The Court also stated in its opinion:

> Out of deference to the deep-rooted policy in favor of the repose of judgments entered during past terms, courts of equity have been cautious in exercising their power over such judgments. *United States* v. *Throckmorton*, 98 U. S. 61. But where the occasion has demanded, where enforcement of the judgment is "manifestly unconscionable," *Pickford* v. *Talbott*, 225 U. S. 651, 657, they have wielded the power without hesitation.[1]

The foot-note referred to is as follows:

> [1] See, e. g., *Art Metal Works* v. *Abraham & Strauss*, 107 F.(2d) 940 and 944; *Publicker* v. *Shallcross*, 106 F.(2d) 949; *Chicago R. I. & P. Ry. Co.* v. *Callicotte*, 267 F. 799; *Pickens* v. *Merriam*, 242 F. 363; *Lehman* v. *Graham*, 135 F. 39; *Bolden* v. *Sloss-Sheffield Steel & Iron Co.*, 215 Ala. 334, 110 So. 574, 49 A. L. R. 1206. For a collection of early cases see Note (1880) 20 Am. Dec. 160.

It is the last sentence in that quoted excerpt, together with the cases referred to in the foot-note, that apparently has caused some confusion as to what the Court intended to be understood as holding in that case.

There is nothing in any of the cases cited by the Court in the foot-note to indicate that the Court intended to abrogate the rule relative to extrinsic or collateral fraud announced in the case of *United States* v. *Throckmorton*, supra, and followed by the Supreme Court and circuit courts of appeals in the cases hereinbefore cited.

It may be observed that in the case of *Publicker* v. *Shallcross*, 106 F.(2d) 949, cited in the foot-note in the Hazel-Atlas Co. case, supra, the Circuit Court of Appeals, Third Circuit, stated that there was a conflict between the decision in the case of *Marshall* v. *Holmes*, supra, and the decision in the case of *United States* v. *Throckmorton*, supra, and that the conflict between those decisions "has been a source of bewilderment to the 'inferior' Federal courts since 1891." Furthermore, in that decision the Court quoted at length from 22 Harvard Law Review 600 and 49 Harvard Law Review 327 and from 21 Columbia Law Review 268. In the quoted excerpt from the Columbia Law Review, it is stated that there is an irreconcilable conflict between the Supreme Court decisions and other Federal court decisions, in some of which it is held that fraud may consist of perjured testimony, whereas other decisions hold that only extrinsic or collateral fraud may be considered in a bill of review.

According to the decision in the Publicker case, supra, it is stated, in the cited Columbia Law Review, among other things, that

> * * * The Supreme Court of the United States, to show its utter impartiality, has ruled both ways, and left the spectacle of two cases, one of which holds that false evidence is a ground for reversal, the other that it is not, both of which have been followed, and neither of which has ever been overruled. * * * As for the Federal rule itself, it must still remain unsettled. Since the courts are at liberty to cite either line of authorities, and do so as suits their convenience, the only possible answer in spite of repeated assertions that the Federal rule is clear, is that there is no Federal rule at all. And there will be none until one or the other of the conflicting decisions is overruled.

The Court further stated in that decision that

> In our judgment, and if the case arises, the harsh rule of *United States* v. *Throckmorton*, above cited, will be modified in accordance with the more salutary doctrine of *Marshall* v. *Holmes*, above cited.

In the case of *Chicago, R. I. & P. Ry. Co.* v. *Callicotte*, supra, cited in the foot-note in the Supreme Court's opinion of Hazel-Atlas Co. case, the Circuit Court of Appeals, Eighth Circuit, stated that there was no conflict between the decisions in the case of *Marshall* v. *Holmes* and the case of *United States* v. *Throckmorton*, and that the rule announced in the Throckmorton case, as to the character of fraud required to support a bill of review, was still in full force and effect.

It will be observed that in the Publicker case, supra, the Supreme Court's attention was directly called to the fact that some of the circuit courts of appeals had held that there was a conflict between the decisions in the cases of *Marshall* v. *Holmes*, supra, and *United States* v. *Throckmorton*, supra. Nevertheless, in the Hazel-Atlas Co. case, supra, no reference is made to any conflict between those decisions and both are cited with approval. It is stated, in the dissenting opinion in that case, that the fraud was extrinsic and was, therefore, a proper matter for consideration in a bill of review.

It would seem to be clear that if the majority of the Supreme Court, in the Hazel-Atlas Co. case, had been of opinion that the fraud there held to have been perpetrated was intrinsic, and that there was a conflict between the decision in the *Marshall* v. *Holmes* and *United States* v. *Throckmorton* cases, supra, particularly in view of the circumstances hereinbefore related, it would have said so and would have expressly repudiated the rule announced in the Throckmorton case and followed by the Supreme Court and the circuit courts of appeals in the cases hereinbefore cited. (In this connection it may be stated that although the case of *Marshall* v. *Holmes* was decided in 1891, many decisions of the Supreme Court, hereinbefore cited, reaffirming the rule in the Throckmorton case, were handed down long since the decision in the *Marshall* v. *Holmes case*. Accordingly, it is unnecessary for us to discuss the holding of the Supreme Court in that case.)

We think it is evident from the decision of the Supreme Court in the Hazel-Atlas Co. case that the Court was of opinion that "certain officials and attorneys" of the Hartford Company had entered into and carried out a conspiracy to defraud the Patent Office and the circuit court of appeals, and that such a conspiracy was not an intrinsic but an extrinsic or collateral fraud.

It would seem, from the majority and the dissenting opinions in the Hazel-Atlas Co. case, that the real difference of opinion was not as to the character of the fraud held to have been perpetrated but rather whether the question of fraud should have been finally decided by the circuit court of appeals, as held by the majority of the Court, or whether, as held by the minority, the circuit court of appeals should have entered an order permitting the filing of a bill of review in the district court. In its decision, the majority of the Court stated, among other things, that it was unnecessary to decide "whether, if the facts relating to the fraud were in dispute and difficult of ascertainment, the circuit court here should have held hearings and decided the case or should have sent it to the district court for decision."

In the Precision Co. case, supra, which was a suit involving the alleged infringement of a patent, counsel for appellant relies upon a statement in that case wherein the Supreme Court stated in substance that it is the duty of an applicant for a patent, or those who are parties to "Patent Office proceedings," to report all facts, as stated in the headnotes, relating to "possible fraud or inequitableness underlying the applications in issue."

The decision in the Universal Oil Products Co. case, supra, has no bearing whatsoever on the issues presented in the instant case. The decision in that case merely makes the broad statement that a Federal court has the inherent power "to investigate whether a judgment was obtained by fraud," and in support of that statement, cites the Hazel-Atlas Co. case, supra.

In the case of *Knauer* v. *United States*, the Supreme Court had before it the question whether a certificate of naturalization could be set aside by a false and fraudulent representation in the petition that the person seeking naturalization "was attached to the principles of the Constitution" and "had taken a false oath of allegiance." In that case the Supreme Court made the statement, citing the Hazel-Atlas Co. case, that it had "recently considered the broad powers of equity to set aside a decree for fraud practiced on the court which granted it." The Court, however, held that it was unnecessary to "consider in this case what the historic powers of equity might be in this situation." The reason for that was, as stated by the Court, that the Congress had provided by statute that "false swearing" was such a fraud as warrants a Federal court cancelling a certificate of naturalization. The Court there very significantly pointed out that although "the making of a false oath be called intrinsic fraud (see *United States* v. *Throckmorton*, supra), it is within the reach of the statute."

Evidently the Court in the Knauer case, although citing the Hazel-Atlas Co. case, as hereinbefore noted, did not consider that the decision in the latter case was intended to repudiate the decision in the Throckmorton case, holding that a final judgment or decree, rendered at a former term by a court having jurisdiction of the issues presented, could be set aside by fraud other than that which was extrinsic or collateral to the issues tried and finally determined.

We have given most careful consideration to the issues presented by counsel for appellee, in view of the seriousness of the charges presented, but are of opinion that the record before us wholly fails to establish that appellant Josserand either "confessed" or "virtually confessed" that he committed a fraud on this court, or that he repudiated his testimony or that of his witnesses in the interference proceeding or that any fraud was committed by appellant Josserand as to any material issue in that proceeding. In so holding we are not unmindful of the rule that, if the court had any serious doubt as to whether appellant Josserand perpetrated a fraud, extrinsic or collateral to the issues determined in the interference case, or if the question of such fraud was difficult of ascertainment, it would be the duty of the court to grant appellee's application for leave to file a bill of review in the Patent Office.

It should be understood that the issue of public use by the party Josserand of the invention defined by the court involved in the interference was not before us in the interference case, nor is it present in the instant proceeding, and that nothing that the court has stated in either decision should be considered as an expression of opinion of its views in regard to that issue.

For the reasons stated, the petition is denied.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,724,542, J. Zabel, Fur-brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, D. C., S. D. N. Y., Doc. 34/150, *Reliable Machine Works, Inc.*, v. *Commander Fur Dyeing Co.* Order dismissing cause for lack of prosecution June 16, 1947.

1,776,114. (See 1,724,542.)

1,779,458, E. F. Annis, Air Filter, D. C., S. D. Calif. (Los Angeles), Doc. 4934–WM, *C. C. A. Products Engineering et al.* v. *E. F. Annis.* Stipulated decree of dismissal without prejudice July 7, 1947.

1,824,228, J. W. Perry, Tin-pack handling mechanism, filed July 8, 1947, D. C., N. D. Ohio, E. Div., Doc. 25062, *J. W. Perry* v. *Reeves Steel & Mfg. Co.*

1,898,535, A. Haupt et al., Method of and means for feeding paper sheets; 2,108,702, H. T. Backhouse, Automatic sheet feeding machinery; 2,144,057, H. Hallstream, Paper feeding machine, appeal filed July 8, 1947, C. C. A., 2d Cir., Doc. 20676, *American Type Founders, Inc.*, v. *Dexter Folder Co. et al.*

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, filed June 27, 1947, D. C., S. D. Ohio, (Dayton), Doc. 875, *Park-In Theatres, Inc.*, v. *S. Levine.* Doc. 876, *Park-In Theatres, Inc.*, v. *H. J. Ochs et al.*

1,921,604, Bunnell & Barnes, Apparatus for manufacturing medical swabs, filed July 11, 1947, D. C. N. J. (Trenton), Doc. 10415, *Q-Tips, Inc.*, v. *Johnson & Johnson.*

1,936,591, F. Ewing, Steam sprayer, D. C., W. D. Okla. (Oklahoma City), Doc. 3608, *Quick Charge, Inc.*, v. *F. Ewing et al.* Patent held not infringed (notice July 1, 1947).

1,946,844, J. P. Ernster, Necktie press, D. C., S. D. N. Y., Doc. 11/328, *Cole-Toomey Co., Inc.*, v. *Hall Merchandising Co., Inc., et al.* Order dismissing cause for lack of prosecution July 7, 1947. Doc. 12/44, *Cole-Toomey Co., Inc.*, v. *Bloomingdale Bros., Inc., et al.* Decree as above June 16, 1948.

1,951,685, H. A. Wheeler, Peak detector, D. C., E. D. Mich., S. Div., Doc. 2426, *Hazeltine Corp.* v. *General Motors Corp.* Judgment dismissing complaint on merits, claims in suit held invalid for want of invention (notice June 23, 1947).

1,962,979. (See 2,266,647.) 1,981,224. (See 2,266,647.)

1,995,643, M. C. Miller, Welt turning mechanism for knitting mills; 1,995,644, 2,217,520, 2,217,521, same, Knitting machine; 2,140,366, K. R. Lieberknecht, same, D. C. Del., Doc. 185, *A. Hofmann, Inc.*, v. *Knitting Machines Corp. et al.* Stipulation and order dismissing action July 17, 1947.

1,995,644. (See 1,995,643.) 2,002,991. (See 2,266,647.)

2,029,094. (See 2,266,647.)

2,041,273, H. A. Wheeler, Amplifier volume control, D. C., E. D. Mich., S. Div., Doc. 2436, *Hazeltine Corp.* v. *General Motors Corp.* Judgment dismissing complaint on merits, claims held invalid for want of invention (notice June 23, 1947).

2,059,091. (See 2,266,647.) 2,105,914. (See 2,266,647.)

2,108,702. (See 1,898,535.)

2,109,946, H. C. Little, Oil burner, filed Feb. 26, 1947, D. C., N. D. Calif., S. Div., Doc. 26922–R, *H C. Little Burner Co, Inc.*, v. *Hammer-Bray Co, Ltd, et al.*

2,119,705. (See 2,266,647.) 2,123,825. (See 2,266,647.)

2,124,852. (See 2,266,647.) 2,125,852. (See 2,266,647.)

2,140,366. (See 1,995,643.) 2,144,057. (See 1,898,535.)

2,163,314, F. J. Ball et al., Interior wall construction of buildings, D. C., E. D. Pa., Doc. 3263, *S. V. Ball et al* v. *Sears, Roebuck and Co.* Dismissed May 8, 1947.

2,180,909, C. Peckat, Awning for automobiles, filed June 25, 1947, D. C., N. D. Ill., E. Div., Doc. 47c946, *Charles Peckat Mfg. Co. et al.* v. *Henry E. Jacobs & Co.*

2,181,163, R. W. Akins, Adjustable support for buildings, D. C., N. D. Ill., E. Div., Doc. 46c876, *Adjusta-Post Co.* v. *The Adjustable Steel Post Corp. et al.* Judgment by consent June 24, 1947.

2,190,754, H. M. Carleton, Film processing tank, D. C., S. D. N. Y., Doc. 9/131, *Fink-Roseliève Co., Inc.*, v. *Bronx Camera & Supply Co.* Order dismissing cause for lack of prosecution June 16, 1947.

2,205,634. (See 2,266,647.) 2,217,520. (See 1,995,643.)

2,217,521. (See 1,995,643.)

2,221,213, J. A. Borden, Tape dispenser, D. C., N. D. Ill., E. Div., Doc. 45c1593, *Minnesota Mining & Mfg. Co.* v. *Industrial Tape Corp.* Cause dismissed June 26, 1947.

2,230,020, R. G. Webster, Air conditioning attachment for automobiles, D. C., S. D. Calif., C. Div. Doc. 7025–BH, *Thermador Electrical Mfg. Co.* v. *Frank D. Davison Co.* Dismissed without prejudice June 25, 1947.

2,256,737, O. H. Englehart, Automatic reversing rotary sprinkler, filed Apr. 4, 1947, D. C., S. D. Calif., C. Div., Doc. 6717–BH, *Rain Bird Sprinkler Mfg. Corp.* v. *W. A. Buckner et al.*

2,266,647, Lucas & Stephan, Horizontal boring machine; 2,339,435, H. N. Stephan, Machine tool; 1,962,979, A. F. Bennett, same; 1,981,224, C. B. De Vlieg, Automatic positioning mechanism; 2,002,991, same, Backlash remover; 2,119,705, same, Backlash eliminator mechanism; 2,059,091, same, Backlash compensator for machine tools; 2,123,825, same, Combination positioning and locking mechanism; 2,029,094, De Vlieg and Lundberg, Power transmission mechanism; 2,105,914, F. A. Fritzsch, Power transmission mechanism; 2,124,852, Graves & Bennett, Machine tool; 2,205,634, H. S. Sizer, Screw and nut driving connection, filed July 17, 1947, D. C., E. D. Mich., S. Div., Doc. 6813, *Lucas Machine Tool Co. et al* v. *De Vlieg Engineering Co. et al.*

2,294,172, C. Getz, Process of making aerated food products, filed June 27, 1947, D. C., N. D. Ill., E. Div., Doc. 47c961, *Aeration Processes, Inc.*, v. *Andes Candies, Inc.* Doc. 47c962, *Aeration Processes, Inc.*, v. *Aerated Container Corp., et al.* Doc. 47c963, *Aeration Processes, Inc.* v. *Naperville Prince Castles Co.*

2,321,041, G. K. Porter, Rotameter construction, D. C., E. D. Pa., Doc. 3644, *Fischer & Porter Co.* v. *Rotameters, Inc.* Order dismissing action without prejudice Dec. 24, 1946.

2,326,646, J. Hillgren, Door knob, filed Apr. 15, 1947, D. C., S. D. Calif., C. Div., Doc. 6778–OC, *Gale-Way, Inc.*, v. *C. Hillgren et al.*

2,328,219, E H. Land, Light polarizer and process of manufacture, D C., S. D. N. Y., Doc. 31/450, *Polaroid Corp.* v. *Polarized Products Corp. et al.* Judgment favor plaintiff sustaining patent, adjudging infringement, and granting injunction (notice July 3, 1947).

2,339,435. (See 2,266,647.)

2,371,756, J. Gomberg, Yarn bobbin, filed July 2, 1947, D. C., S. D. N. Y., Doc. 42/356, *Merit Mfg. Co.* v. *Jacmore Co. et al.* Same, filed July 7, 1947, D. C., S. D. N. Y., Doc. 42/382, *Merit Mfg. Co.* v. *Hero Mfg Co., Inc., et al.*

2,391,215, Zabel & Helfenbein, Culinary utensil; Des. 143,105, same, Strainer, filed July 15, 1947, D. C., N. D. Ill., W. Div., Doc. 47c19, *Plasmetl Corp.* v. *The Washburn Co.*

2,416,596, S. Rosenthal, Fountain pen, filed June 2, 1947, D. C., E. D. Mich., S. Div., Doc. 6784, *Speedry Products, Inc.*, v. *Tex-Rite Products et al.*

Re. 20,514, J. S. Tripp, Reflector, D. C., S. D. N. Y., Doc. 28/372, *E. F. Chambless et al.* v. *Crystal Products Co. et al.* Order dismissing complaint (notice July 9, 1947).

Des. 130,478, N. G. Cochran, Tablecloth, D. C. N. J. (Newark), Doc. 4981, *N. J. Richman Co.* v. *H. Rosenthal.* Stipulation of discontinuance July 9, 1947.

Des. 137,471, F. Adams, Hat, D. C., S. D. N. Y., Doc. 30/446, *Lady Hatgrip, Inc.*, v. *Oppenheim Collins & Co.* Dismissed for lack of prosecution June 16, 1947.

Des. 141,382, Des. 141,383, Des. 141,384, O. F. Placco, Brooch, D. C., S. D. N. Y., Doc. 34/692, *Barker & Barker, Inc.*, v. *M. & M. Mfg. Co.* Order dismissing cause for lack of prosecution June 16, 1947.

Des. 141,383. (See Des. 141,382.)

Des. 141,384. (See Des. 141,382.)

Des. 143,105. (See 2,391,215.)

Des. 143,333, H. C. MacPherson, Display stand, D. C., S. D. Calif. (Los Angeles), Doc. 5484–PH, *H. C. MacPherson* v. *G. V. Radcliff et al.* Judgment for plaintiff, injunction June 13, 1947.

T. M. 129,827, Philadelphia Storage Battery Co., Batteries, etc.; T. M. 178,335, same, Electrolytes; T. M. 252,655, same, Radio receiving sets and radio speakers; T. M. 400,943, Philco Corp., Battery parts and supplies; T. M. 401,240, same, Voltmeters, condenser testers, etc., D. C., N. D. Ill., E. Div., Doc. 45c1343, *Philco Corp.* v. *John Filko et al.* Judgment dismissing complaint for want of equity June 26, 1947.

T. M. 178,335. (See T. M. 129,827.)

T. M. 209,840, Pacific Wire Rope Co., Wire rope and guy stand, filed July 8, 1947, D. C. Colo. (Denver), Doc. 2247, *Pacific Wire Rope Co.* v. *The Colorado Fuel & Iron Corp.*

T. M. 252,655. (See T. M. 129,827.)

T. M. 400,943. (See T. M. 129,827.)

T. M. 401,240. (See T. M. 129,827.)

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,300,539, D. P. Faulk, Electric discharge apparatus, decided July 15, 1947, claims 14 and 15.

Pat. 2,336,743, F. W. Manning, Method and apparatus for spinning unwoven fabrics, decided June 16, 1947, claim 4.

Pat. 2,336,745, F. W. Manning, Method and apparatus for making unwoven and composite fabrics, decided May 20, 1947, claims 13, 22, and 23; decided June 16, 1947, claim 26.

Pat. 2,387,477, C. L. Thomas, Hydrocarbon conversion, decided June 16, 1947, claims 1 and 2.

Disclaimers

2,029,561.—*Virgil L. Du Sang*, Kokomo, Ind. WHEEL BALANCING WEIGHT. Patent dated Feb. 4, 1936. Disclaimer filed July 23, 1947, by the assignee, *Turner Manufacturing Company.*

Hereby disclaims claim 1 of said patent.

2,357,348.—*George P. Netherly* and *Bert S. Cross*, St. Paul, Minn., and *Gilbert R. Anderson*, Wilmington, Del. ABRASIVE ARTICLES AND METHOD OF MAKING THE SAME. Patent dated Sept. 5, 1944. Disclaimer filed July 18, 1947, by the assignee, *Minnesota Mining & Manufacturing Company.*

Hereby enters this disclaimer of claims 1, 2, 3, and 5 of said patent.

2,378,636.—*John O. Iverson*, Chicago, Ill. HYDROGEN FLUORIDE ALKYLATION PROCESS. Patent dated June 19, 1945. Disclaimer filed July 11, 1947, by the assignee, *Universal Oil Products Company.*

Hereby enters this disclaimer to claims 1, 2, and 9 of said patent.

2,386,027.—*Wallace E. Wing*, Chicago, Ill. METHOD OF SEPARATING MAGNESIA FROM DOLOMITE. Patent dated Oct. 2, 1945. Disclaimer filed Aug. 2, 1947, by the assignee, *Marblehead Lime Company.*

Hereby enters this disclaimer to claim 1 in said specification.

2,387,477.—*Charles L. Thomas*, Chicago, Ill. HYDROCARBON CONVERSION. Patent dated Oct. 23, 1945. Disclaimer filed July 11, 1947, by the assignee, *Universal Oil Products Company.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,388,542.—*Walter V. Hobbs*, Columbus, Ohio. PRESSURE MEASURING DEVICE. Patent dated Nov. 6, 1945. Disclaimer filed July 19, 1947, by the assignee, *Ranco Incorporated.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, and 7 of said patent.

2,407,485.—*Sanford F. Essig*, Fort Wayne, Ind. TELEVISION CONTROL SYSTEM. Patent dated Sept. 10, 1946. Disclaimer filed July 30, 1947, by the inventor; the assignee, *Farnsworth Television & Radio Corporation*, approving and consenting.

Hereby enters this disclaimer to claims 1 to 7 inclusive in said specification.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,402,381. PROCESS OF WELDING AND APPARATUS THEREFOR. Patented June 18, 1946. Royalty-free, non-exclusive, sub-licenses under the above identified patent and corresponding Canadian patent are available on a reciprocal basis to responsible persons. The patent relates to a method and machine for welding sheet metal containers and parts therefor. Full particulars with respect to terms, development work, etc., may be obtained from the American Can Company, 230 Park Ave., New York 17, N. Y. Groups 35—42—43; 36—19. Reg. No. 8,108.

Pat. 2,124,289. AIR CONDITIONING. Patented July 19, 1938. Portable air conditioning unit enclosed in a casing is provided with a compressor which is driven by both

an electric motor and an air motor. Air from the compressor is discharged into a tank where it is washed and cooled while following a tortuous path through the tank. The washed cool air is then conducted to an air motor where it expands and drives the motor. Air leaving the motor is conducted to a separator tank for removal of entrained moisture prior to being mixed with untreated air for delivery into a room. (Owner) Richard Erickson, 1253 West Diversey Pkwy., Chicago 14, Ill. Group 35—84. Reg. No. 8,109.

Pat. 2,412,738. TANK FLUSHING DEVICE. Patented Dec. 17, 1946. A flushing device for toilets in which a chain is movable over self-aligning pulleys at sides of tank to open the valve. The actuating pulley is rocked in a counterclockwise direction when handle is depressed. This moves the chain over the idler pulley and lifts the valve from its seat thus releasing water for flushing. As water level lowers, suction created in top of outlet pipe draws the valve upon its seat. This action pulls chain downwardly, rotates pulley in a clockwise direction, restoring handle to starting position. (Owner) George W. Martin, 3080 East 15th St., Oakland 1, Calif. Groups 32—61; 33—61. Reg. No. 8,110.

Pat. 2,414,445. SHOE CONSTRUCTION. Patented Jan. 21, 1947. Elevated support member to be used in lieu of conventional heel, or heel and shank, gives rigid elevated support only to the heel and base of the fifth metatarsal of the foot and avoids rigid support of the other metatarsals. It may be made in one solid piece to resemble a Dutch heel, or comprise a substantially firm self-supporting heel and a post preferably bridged or otherwise unified to form a "chair." (Owner) Robert Ely Cahill, 640 South Oakland Ave., Pasadena 5, Calif. Group 31—41. Reg. No. 8,111.

Pat. 2,413,604. PISTON ROD PACKING RETAINER RING. Patented Dec. 31, 1946. The piston packing embodies separate sections for positioning around piston rod eliminating the necessity of removing the cross head to position the packing. The retaining ring presses sections of packing member together. A coiled spring fits in groove of ring and urges sections of ring into close engagement with piston rod. The ends of retaining members are positioned in sockets in packing retaining ring holding them against displacement. (Owner) George T. Kemmerling, 1752 Idehart Ave., St. Paul 4, Minn. Group 35—69. Reg. No. 8,112.

Pat. 2,403,089. CENTRIFUGAL SEPARATOR. Patented July 2, 1946. The invention resides in a simple, inexpensively manufactured separator having for its prime object to separate the component elements of milk into the whey, which is the serum portion of the milk, and the more coagulated or thicker part of the milk, or the curd, in the process of cheese making, viz.: it is used in the process of dehydrating the milk to obtain a residue of cheese. (Owner) Ernest Lars. Address correspondence to David Manly Heller, 134 South La Salle St., Chicago, Ill. Groups 20—22; 35—51. Reg. No. 8,113.

Pat. 2,414,912. EMERGENCY IGNITION CIRCUIT BREAKER. Patented Jan. 28, 1947. For ignition systems of aircraft, automotive vehicles and the like. When used with an aircraft the circuit breaker may be mounted rearwardly of and close to the motor. The circuit breaker includes a mercury filled tubular glass container and a plunger having a U-shaped end forming two fingers which are adapted to engage and break the container at both ends when the engine is driven rearwardly, as in the case of a nose dive. Breaking the container spills the contents thereby opening the ignition circuit. (Owner) Charles G. Wiatt, Box 14, Gloucester, Va. Group 36—41. Reg. No. 8,114.

Pat. 2,413,064. SEWING-MACHINE ACCESSORY. Patented Dec. 24, 1946. This invention relates to a spring stop attachment for a sewing machine to control downward movement of the presser-foot shaft and reduce pressure against automatic feed located beneath presser foot. The material being sewed is moved forward with such slight pressure of presser foot that it may be moved from side to side by operator for darning, mending, quilting, embroidering, etc. (Co-owners) James W. Murphy and John P. Murphy, 346 Morning View Ave., Akron, Ohio. Group 35—83. Reg. No. 8,115.

Pat. 2,306,363. HYDRAULIC CLUTCH. Patented Dec. 22, 1942. Groups 35—61; 38—31. Reg. No. 8,116.

Pat. 2,337,499. AUTOMATIC HYDRAULIC TRANSMISSION. Patented Dec. 21, 1943. Groups 35—61; 38—31. Reg. No. 8,117.

These two patents are interrelated. Patent No. 2,306,363 provides a rotary type fluid pump in combination with a governing device which maintains a pressure opposed to that developed by the fluid in the pump. Basically, the governing device and its associated valve develop minimum and maximum pressures proportional to the minimum and maximum torque capable of being developed by the engine at any speed. The hydraulic transmission described in Patent No. 2,337,499 consists of a hydraulic pump in combination with a series of driven units or rotors connected to the driven shaft in such a way that they may be selectively connected to a source of hydraulic liquid. By varying the number of units to which the fluid under pressure is delivered, the speed of the driven shaft relative to the drive shaft may be altered. Both inventions are applicable to motor vehicles, aircraft, locomotives, vessels, etc. (Co-owners) William A. Roth, John E. Nekowitsch, Steve Nekowitsch, Melvin O. Museus, and Paul Vance. Address correspondence to William A. Roth, 187 Fuller Ave., St. Paul 3, Minn.

Pat. 2,415,877. BAND SAW APPARATUS. Patented Feb. 18, 1947. This invention relates to a portable band saw apparatus suspended above the work-piece with pulleys above and beneath work-piece. The support and jointed arm structure may readily be mounted on the work-piece and shifted or removed as operation proceeds. Work-piece remains stationary and may be cut with accuracy and speed. (Owner) Joseph Hajek, Clay Ave., Mars, Pa. Group 33—54. Reg. No. 8,118.

Pat. 2,416,838. PARKING DEVICE. Patented Mar. 4, 1947. This parking device elevates a vehicle, and wheels it laterally into a parking space. A pair of jacking assemblies connected to a motor driven feed screw and a chain and sprocket arrangement are mounted on each end of a vehicle chassis. When the feed screw is rotated, the sprocket chain operates a link jack for raising or lowering of small parking wheels into or out of contact with the ground. The device is operated by its own power plant and when in retracted position does not interfere with normal driving. (Owner) Abba Miller, 3921 East 93rd St., Cleveland 5, Ohio. Group 38—31. Reg. No. 8,119.

Pat. 2,416,623. CREAM SEPARATOR. Patented Feb. 25, 1947. A device for removing cream from the top of a milk bottle. Comprises a flexible diaphragm connected to a long carrier member. Diaphragm may be bent into cylindrical form for entry into bottle through cream layer by shiftable means on carrier member. When given a reverse movement diaphragm resumes its normal disk-like form within bottle between cream and milk. Cream may be poured off without the admixture of any milk. (Owner) Willard F. Hampton, 529 North Monroe St., Hutchinson, Kans. Group 35—51. Reg. No. 8,120.

Pat. 2,033,233. METHOD OF MAKING HYDRAULIC CEMENT COMPOSITIONS. Patented Mar. 10, 1936. The by-products obtained in the manufacture of sugar in purifying the juices by adding lime to the juice and subjecting the mixture to the action of carbon dioxide is admixed to hydraulic cement compositions. This waste product consists of insoluble Ca salts, organic substances, iron oxide, silica, alumina and magnesia and it serves to improve the resistance of the cement to tensile stress and to pressure. (Owner) Maurice Ernotte. Address correspondence to Dezsoe Steinherz, 50 East 42nd St., New York 17, N. Y. Group 32—92. Reg. No. 8,121.

Pat. 2,379,386. SAFETY RAZOR GUARD PLATE. Patented June 26, 1945. Guard for a double edge safety razor blade has one of its edges arcuately cut away to permit shaving with an unobstructed blade. Tapered end guards are formed at the forward side edges to prevent sharp corners of the unguarded blade from nicking the skin. The other edge of the guard permits shaving in the usual way. (Owner) William F. Sonnenfeld, Route 1, Sheboygan, Wis. Groups 33—51; 40. Reg. No. 8,122.

Des. 146,339. GAME BOARD. Patented Feb. 11, 1947. (Owner) W. G. Powell, 3220 Vaughn Blvd., Fort Worth, Tex. Group 39—41. Reg. No. 8,123.

Pat. 2,121,725. CONDENSER TESTER. Patented June 21, 1938. Method and apparatus for testing condensers by the use of a single D. C. milliammeter to determine breakdown, leakage and capacity. Comprises a transformer which includes a primary winding connected to a source of alternating current and a secondary winding having an intermediate tap and a resistance in conjunction with rectifiers which are attached to the ends of the secondary winding. An ammeter between the tap and at a selected point intermediate the ends of the resistance normally indicates zero flow when alternating current is supplied to the transformer. The condenser is tested between the tap and one of the rectifiers. (Co-owner) Benjamin B. Bauer, 1179 South Harvey Ave., Oak Park, Ill. Group 36—13. Reg. No. 8,124.

Pat. 2,416,796. HYDRAULIC JACK. Patented Mar. 4, 1947. Jacks permanently connected to the axles of a motor vehicle are provided for each wheel. Each jack includes telescopic sections carried by a leaf hinge. The jacks may be hydraulically operated by diverting oil from the crankcase into the system, and they each carry a pair of coil springs which aid collapsibility to an out-of-the-way position when the oil is returned to crankcase. Operation of the jacks is independently controlled by valves on dashboard. Modification shown. (Owner) Richard H. Dobbs, Atlanta, Kans. Group 35—69. Reg. No. 8,125.

Pat. 2,417,141. BINDER POST. Patented Mar. 11, 1947. A flexible binding post for a loose-leaf binder or notebook. The binding posts are formed of a series of hingedly connected links which permit the covers of the book to be opened flat and the leaves of the book restrained from shifting laterally. (Owner) William W. Syfert, P. O. Box 207, San Bruno, Calif. Group 27—83. Reg. No. 8,126.

Pat. 2,415,550. STEREOSCOPIC EFFECT MOTION PICTURE FILM DEVICE. Patented Feb. 11, 1947. An endless belt of polarized film is mounted within a loop of standard film which passes through the gate, across the aperture and engages around the sprocket wheel of a conventional projector. Alternate frames of the endless belt are polarized in opposite directions at right angles to each other and at an inclination of 45°. An auxiliary lens system or prism arrangement may be used to throw the adjacent frames in slightly offset position. A three dimensional effect is achieved when the film is projected on a "metallic" surfaced screen and seen through a polarized viewer. (Owner) Stanley Yarosh, 254 West 15th St., New York 11, N. Y. Groups 39—12; 39—13. Reg. No. 8,127.

Pat. 2,269,255. COUNTERSINK. Patented Jan. 6, 1942. A combination of a countersink holder having a motor-driven drill-bearing shaft and a work positioning means. The latter comprises a chuck adapted to engage the end of the housing and an adjustable arm having an angular extension which engages the work at a point in line with the action of the countersink. In operation, work is placed in the jaws of the chuck and the work-positioning arm adjusted so that its end engages the right angle extension. (Owner) Lillie Duthoit, 51 A. Glastonbury Rd., c/o Baars, Portland, Conn. Group 35—43. Reg. No. 8,128.

Pat. 2,132,470. TRACK RAIL GRINDING MACHINE. Patented Oct. 11, 1938. Group 35—59. Reg. No. 8,129.

Pat. 2,163,908. TRACK RAIL GRINDING MACHINE. Patented June 27, 1939. Group 35—59. Reg. No. 8,130.

The two patents listed above relate to a track rail grinding machine (to be mounted on a railway car) which has a motor driven grinding wheel to confront the rail head. Each unit is adjustable and comprises slidable upright yokes with a motor frame pivoted in inner yoke for tilting movement crosswise of the car. Thus the grinding wheel may be properly positioned vertically over the rail to shape the head of the rail as desired. (Co-owner) Walter Hobson, 1141 Foulkrod St., Philadelphia 24, Pa.

Pat. 1,978,272. BOTTLE CAP AND OPENER. Patented Oct. 23, 1934. "Crown" type cap is formed with a strap-like longitudinal extension, ribbed and folded on itself. The extension, normally positioned against the neck of the bottle, is readily bendable so that the bottle may be conveniently decapped by applying a slight upward pull. (Owner) Lloyd C. Laurence, c/o Winchester Hotel, Winsted, Conn. Group 33—73. Reg. No. 8,131.

Pat. 2,409,347. DIAL CALENDAR. Patented Oct. 15, 1946. This circular calendar includes a notched and slotted face disk further provided with a movable pointer, the current year and an outer row of numerals from one to thirty; an inner disk having radially arranged months and weekdays as a double ring; and a backing which strengthens the assembly when riveted together. By manipulation of the outer disk the current month and day of the week may be revealed including the extra thirty-first day when necessary. A foldable leg, which is part of the face disk, permits the calendar to stand upright. (Owner) Norman L. Dootson, P. O. Box 1622, San Francisco, Calif. Group 27—51. Reg. No. 8,132.

Pat. 2,418,153. FILTER PRESS. Patented Apr. 1, 1947. A device for filtering slurry in which the filters may be quickly removed for cleaning or repairs without disassembling the entire structure. Includes a series of wedge-shaped units, the end units and alternate units fixedly mounted on framework. The other units are removably positioned between the fixed units and have a filter clamped across opening between removable and fixed units. The slurry is passed through pipe to passageways in fixed units, through openings in removable units, through filtering members onto grooved surfaces of fixed units to water discharge pipe. The removable units are held in position by turnbuckles and released without disturbing the fixed units and without stopping the filtering operation. (Owner) Louis S. Barnett, 12 Vernon Ave., Newark 8, N. J. Group 35—59. Reg. No. 8,133.

Pat. 2,416,616. COMBINATION CLOTHES AND DISH WASHING MACHINE. Patented Feb. 25, 1947. This invention relates to a washing machine convertible into a dishwasher. The motor has speed controls for washing dishes, clothes and drying clothes. Comprises a work container with a stator to effect the required agitation of the clothes, but leaving a free space for inserting removable baskets for holding dishes, pans, etc. (Owner) Irving Deutsch, c/o ENG Art Manufacturing Co., 212-24 Jamaica Ave., Queens Village 8, N. Y. Group 35—81—89. Reg. No. 8,134.

Pat. 2,142,765. DRAFTING TOOL. Patented Jan. 3, 1939. Comprises a movable member (resembling a combination French curve and protractor) pivoted to the apex of the conventional triangle (45° isoceles) the base of which it itnersects. Scale markings are provided on both portions of the instrument so that the various curves and angles necessary in drafting may be accurately ascertained and drawn without danger of shifting. The instrument may

be used to fix the slant of lettering, as a proportional divider, etc. (Owner) Emil E. Shattow, 7023 North Sheridan Rd., Chicago 26, Ill. Group 39—11. Reg. No. 8,135.

Pat. 2,410,022. ARMOR. Patented Oct. 29, 1946. An armored wall structure particularly adapted for safes and vaults, etc. Comprises a pair of steel plates which form a shell and an intermediate plate having a series of large openings. These openings permit cement, later poured into the shell, to form binding connections before hardening. (Owner) Charles J. Dumais, 222 Paradis Ave., Woonsocket, R. I. Group 23—98. Reg. No. 8,136.

Pat. 2,413,782. DOORSTOP. Patented Jan. 7, 1947. Stop adapted to be carried by a door has a foot-operated plunger which is successively pressed downwardly to cause a friction floor engaging member of hard rubber on the lower end of the plunger to alternately engage and disengage the floor. The stop comprises a telescoped plunger, a spring and simple clutch means. When the plunger is pressed downwardly and released the top telescoped section will always return to its original position. Operation of the stop is practically noiseless. (Owner) James O. Pumphrey, 904 East 9th St., Chester, Pa. Group 33—59—73. Reg. No. 8,137.

Pat. 2,417,622. CONVERTER SYSTEM. Patented Mar. 18, 1947. This converter system has a very low hysteresis loss and is capable of satisfying rather heavy power requirements. The system consists of a core of magnetic material (forming a closed loop) having windings adapted to be energized in opposite phase polarity from an A. C. source. A leg of magnetic material extends across the loop between the windings to form a pair of magnetic paths, each linked with one of the windings. The leg is slightly spaced from the core by shims to provide the equivalent of an air gap. Permanent magnets of horseshoe type are attached to two sides of the leg and localize a unidirectional flux sufficient to saturate the leg in the absence of other factors. (Owner) Philip John Walsh, 945 Pine St., San Francisco 2, Calif. Group 36—19. Reg. No. 8,138.

Pat. 1,885,977. DRAIN PIPE FOR FLUSHING ATTACHMENTS. Patented Nov. 1, 1932. With this invention city water supply may be utilized to clear drain pipes of a sink or the like. A downwardly inclined pipe beneath the sink is connected to the usual city water supply pipe leading to the sink and to the sink drain to provide a bypass to divert water into the drain. The coupling connecting the bypass with the drain includes a special type of swinging check valve which opens and seals the drain above the coupling to prevent diverted water from backing up into the sink. When the valve is closed it does not interfere with normal passage of water through the drain. Other valves are provided in the bypass. (Owner) Alberta E. Denison, 705 West 45th St., Los Angeles 37, Calif. Group 33—61. Reg. No. 8,139.

Pat. 2,416,716. APPARATUS FOR FINISHING PIEZOELECTRIC CRYSTALS. Patented Mar. 4, 1947. Group 36—61. Reg. No. 8,140.

Pat. 2,417,179. METHOD OF FINISHING PIEZOELECTRIC CRYSTALS. Patented Mar. 11, 1947. Group 36—61. Reg. No. 8,141.

These two patents relate to a method and apparatus for rapid production of piezoelectric crystals for use as resonators in radios or the like. Roughly lapped crystals are finished by subjecting them to a series of successive etching operations with the potency of the etching solution progressively reduced for each successive operation. The apparatus includes a chain conveyor which moves continuously at constant speed through an etching solution. The crystals are measured and deposited upon the conveyor at various points by an operator so that they will be conveyed through the etching solution for a predetermined period of time. After being conveyed through the etching solution and washed, the crystals are separated and dried by a blast of hot air which heats them to a temperature slightly above 212° F. to cause the intervening film of water between the crystals to vaporize so rapidly that the crystals will fly apart. To guide the operator in determining the proper position for depositing the crystals upon the conveyor, the frequency meter is calibrated to correspond with graduations on a panel extending substantially the full length of the conveyor. All finishing operations, with the exception of measuring and depositing the crystals upon the conveyor, are entirely automatic. (Owner) The Ross Manufacturing Company, 2241 South Indiana Ave., Chicago 16, Ill.

Pat. 2,157,333. BAIT HOLDER AND HOOK. Patented May 9, 1939. Groups 39—49; 40. Reg. No. 8,142.

Pat. 2,238,900. ARTIFICIAL BAIT. Patented Apr. 22, 1941. Groups 39—49; 40. Reg. No. 8,143.

These two patents relate to fishing tackle. Patent #2,157,333 shows a holder for removably holding either live or artificial bait, such as a minnow. The impaling needle for longitudinally penetrating the bait is curved and impaling prongs pivoted at one end of the needle are shaped for locking engagement with the shank of the needle after penetrating the bait from opposite sides. A fish hook (or hooks) is rigidly held on the end of the needle until the fish is hooked. Patent #2,238,900 shows an artificial minnow for use with the holder. The minnow has a longitudinal passage for the needle and transverse slots for the prongs. Due to the secure manner in which the bait is held on the needle and manner of mounting the hook, this equipment may be used for casting and trolling without liability of losing the bait, or displacement of the hook from its proper position. (Owner) Florence S. Hadaway, 21 Bay View Drive, Swampscott, Mass.

Pat. 2,220,234. FISHING ROD HOLDER. Patented Nov. 5, 1940. Holder adapted to be clamped to the gunwale, seat or other part of a boat will hold reel-equipped rods of varying size securely in any desired position. Provision is also made for quick and easy insertion of the rod into or removal from the holder. Generally speaking, the holder consists of a U-shaped clamp, a bracket adjustably secured on the clamp, and rod supporting and frictional clamping devices on the bracket. The clamping devices are urged together by a spring. (Owner) Florence S. Hadaway, 21 Bay View Drive, Swampscott, Mass. Group 39—49. Reg. No. 8,144.

Pat. 2,417,149. SEWING FRAME. Patented Mar. 11, 1947. A frame-work having a transparent work table or surface under which illuminating means are provided. Spring actuated clamps on opposite ends of the table hold two or more pieces of textile material (which are to be sewed together) in proper superimposition at the edges or intermediate their edges to facilitate the sewing operation. This device relieves the hands of the operator from the necessity of aligning the work pieces and holding them in place simultaneously while sewing. (Owner) Elaine Beaton. Address correspondence to David Manly Heller, 134 South La Salle St., Chicago, Ill. Group 25—11. Reg. No. 8,145.

Pat. 2,418,558. SIMULATED GLACÉ FRUIT AND PROCESS OF MAKING SAME. Patented Apr. 8, 1947. This process refers to a simulated candied fruit obtained by the utilization of sugar beets. The treated beet has the typical transparency of true glacé fruit, a desirable chewing quality, etc., and may be readily used as a cake mix ingredient or in various types of confectionery. Despite high moisture content, the product will not spoil. It is also capable of further coloring or flavoring to more closely simulate certain fruit types. Claimed advantages are the time and sugar saved. (Co-owners) William Schloessinger and Alexander M. Zenzes. Address correspondence to K. A. Mayr, 21 East 40th St., New York 16, N. Y. Group 20—71. Reg. No. 8,146.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JULY, 1947

EX PARTE RALPH N. TAKAKI, Serial No. 473,348.

In a decision rendered July 3, 1947 (169 Ms. Dec. 374, 74 USPQ 69), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks refusing to register on the application of Ralph N. Takaki, of Honolulu, Territory of Hawaii, the presumably Japanese notation "Furuchi-Jo," the word "Jo" being disclaimed, for a medicine for the relief of hysteria, irritability, muscular pain and as an alterative.

After noting that the Patent Office translator ventured the opinion that "Furuchi-Jo" might mean cure for chills or fever, which the Examiner properly held to be devoid of a trade-mark function, and further noting that the experts appear to disagree, it was held that since the definition of the Patent Office translator purports to be little more than a guess, applicant should be given the benefit of the doubt and that the word "Jo," apparently meaning "tablet" or "pill," having been disclaimed, the mark is otherwise registrable.

PAUL A. MOSESIAN & SONS, INC., *v.* INTERNATIONAL FRUIT CORPORATION (DI GIORGIO FRUIT CORPORATION, ASSIGNEE, SUBSTITUTED), Interference No. 3632.

In a decision rendered July 3, 1947 (169 Ms. Dec. 376, 74 USPQ 70), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences in a trade-mark interference proceeding involving an application of Paul A. Mosesian & Sons, Inc., of Fresno, Calif., filed September 23, 1942, and a registration issued June 21, 1932, to International Fruit Corporation (Di Giorgio Fruit Corporation, Assignee, Substituted), of Orlando, Fla., because applicant took no testimony.

Applicant's mark is a composite arrangement of the word "State" and the word "Pride" divided by the representation of an outline map of California, upon which appears the name "California," these features being shown with a wreath of poppies and a ribbon design. The word "California" and the map are disclaimed. The mark is appropriated to fresh grapes, fresh deciduous fruits, fresh melons, and dried fruits. The registered mark is the notation "State Pride," displayed in association with an outline map of Florida and the picture of an orchard, the goods named in the registration being fresh citrus fruits.

It was held that both marks are clearly dominated by the words "State Pride."

After noting that in the early prosecution of the proceeding the parties filed a joint motion to dissolve, in view of the difference in the marks and the fact that the marks have been used for many years, concurrently, without any known confusion whatsoever; and for the reason that there is no interference in fact; the motion was denied by the Examiner of Trade-Marks; that a subsequent request that the case be remanded to him so that he may give further consideration to the question of dissolution was denied by the Examiner of Interferences; that neither party appeared at final hearing and neither filed a brief, it was held this is in effect an appeal from the decision of the Examiner of Trade-Marks denying the motion to dissolve and that such appeals are expressly forbidden by Rule 124 of the Rules of Practice.

It was held that moreover the Examiner's decision was manifestly correct, since it is clear beyond argument, that the goods of the parties are of the same descriptive properties and that their marks are confusingly similar is equally so; the parties by their deeds or agreement cannot confer upon the Commissioner of Patents the power to do that which he is prohibited from doing under the statute.

In response to the applicant's suggestion that under the act of July 5, 1946, it may be entitled to the proposed registration as a lawful concurrent user, it was held that the application was filed, and the interference was declared and disposed of, under the act of 1905, and the appeal is likewise governed by the provisions of that act.

REPUBLIC STEEL CORPORATION *v.* UTILITY TRAILER MANUFACTURING COMPANY, Opposition No. 24,218.

In a decision rendered July 3, 1947 (169 Ms. Dec. 375, 74 USPQ 72), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Republic Steel Corporation, of Cleveland, Ohio, to the application of Utility Trailer Manufacturing Company, of Vernon, Calif., for registration of a trade-mark, appropriated to alloy steel castings and forgings, and claimed to have been used since June 1, 1936, the mark consisting of the notation "Utiloy" appearing above the letter "U" within a triangle.

The opposition was sustained on the ground that applicant's mark is confusingly similar to the trade-mark "Uloy" registered September 26, 1922, for steel, alloy steel, and iron and steel bars and sheet bars. The registration has been renewed and is now owned by the opposer.

It was held that obviously the goods described in the application and the registration have the same descriptive properties and the fact that opposer's use of its mark appears to have been restricted in

recent years to copper bearing steel sheets and sheet bars is irrelevant.

It was further held that there can be no serious question but that the marks of the parties bear such near resemblance as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers; "Uloy" might well be termed a telescoped version of "Utiloy;" and "Utiloy" is clearly the dominating portion of applicant's mark.

After noting that it is stipulated that applicant's goods and the goods of opposer marketed under the respective trade-marks here in issue are not directly competitive and that applicant's customers are discriminating concerns who deal only directly with applicant, it was held that trade practices may change, and goods need not be directly competitive in order to constitute merchandise of the same descriptive properties; nor is it of controlling importance that applicant sells only to a discriminating class of purchasers, if the marks are so similar as to be likely to cause confusion.

After quoting further from the stipulation, it was held that although applicant's good faith is established, nevertheless, neither the derivation of the prefix nor the common use of the suffix serves to alter the fact that "Utiloy" is confusingly similar to "Uloy."

GOODALL SANFORD, INC., *v.* BENJAMIN G. BROWDY, Cancellation No. 4585.

In a decision rendered July 3, 1947 (169 Ms. Dec. 378, 74 USPQ 71), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had dismissed the petition of Goodall Sanford, Inc., of Sanford, Maine, to cancel trade-mark registration No. 413,898, issued May 15, 1945, under the provisions of the act of March 19, 1920, to Benjamin G. Browdy, of New York, N. Y. The registered mark consists of the words "Spring Weight," printed in two slanting lines against the outline of a peach blossom and the name "Browdy" in heavier letters of different style, slightly above the center and considerably to the right of this composite design. It is appropriated to cotton goods in the piece. The labels filed with the application to register are for gabardine. The case was submitted on a stipulation of facts, it being stipulated that continuously since about August 1, 1941, petitioner has used the trade-mark "Springweave" on its textile products which it sells to others who manufacture same into wearing apparel and to whom petitioner grants a license to use its said trade-mark on such manufactured articles. It was further stipulated that respondent's mark has been used since March 23, 1944; that the goods of the parties have the same descriptive properties; and that the sole question to be determined in this cancellation is whether respondent's mark consisting of the word "Browdy Spring Weight" and design, as shown in registration No. 413,898, is confusingly similar within the meaning of the trade-mark statute to the mark "Springweave" used by petitioner.

In response to the argument that because the words of respondent's mark are thus reversed in the stipulation, they must be so read in comparing the marks, it was held that in the registration and on respondent's labels the two portions of the mark are entirely independent of each other and might well be regarded as two separate trade-marks; in any event, the addition of respondent's name to a notation otherwise confusingly similar to petitioner's mark is not alone sufficient to avoid confusion.

In response to respondent's argument that the words "Spring Weight" as used in his mark would not have the slightest significance to the purchasing public as indicating the origin of the goods, and after noting that that was also the Examiner's view, who added that the name "Browdy" is the dominating portion of the mark and the term by which the respondent's goods would be known to the purchasing public in identifying them as to source, it was held that if that be true, the occurrence of the words "Spring Weight" in the mark is difficult to explain; true they are descriptive; but as applied to the goods involved, their meaning is obviously the same as that of the word "Springweave" so that, since they also resemble that word in sound and appearance, the two marks are clearly confusable and the petition to cancel should have been sustained.

EX PARTE WILLIAM A. FREW, Serial No. 482,199.

In a decision rendered July 8, 1947 (169 Ms. Dec. 380, 74 USPQ 112), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register under the provisions of the act of March 19, 1920, to William A. Frew, of Paradise, Pa., a mark which is essentially the notation "Mind Digest" appropriated to a monthly magazine dealing with religion and psychology, use of the mark being claimed since March 8, 1945, in view of a registration issued September 17, 1929, under the act of February 20, 1905, of the mark "Mind, Inc.," in association with a design, appropriated to magazines.

After noting that applicant has attempted, but failed, to show that the mark of the registration has been abandoned, it was held that the Examiner was right in ruling that both marks are dominated by the word "Mind," and that their concurrent use as titles of magazines would be reasonably likely to cause confusion.

EX PARTE POPULAR MECHANICS COMPANY, Serial No. 487,143.

In a decision rendered July 8, 1947 (169 Ms. Dec. 381 74 USPQ 111), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register under the provisions of the act of February 20, 1905, to Popular Mechanics Company, of Chicago, Ill., the Spanish notation "Mecanica Popular," as a trade-mark for a monthly periodical devoted to technical matters, the mark being claimed to have been used since July 16, 1945, on the ground that the mark is merely descriptive of the periodical for which it serves as a title.

After noting that the English equivalent of the mark, "Popular Mechanics," was registered to applicant in 1914, which registration has been renewed, and that applicant tacitly concedes that the mark is descriptive, in response to applicant's argument that after a mark has once been registered, its owner is entitled to the benefit of any reasonable doubt as to the registrability of the same or a closely similar mark upon a subsequent application to register, it was held that that rule is inapplicable because here there is no room for doubt, so that since applicant's mark appears to be purely descriptive, there is no alternative but to affirm the decision of the Examiner of Trade-Marks.

PLASTI-KOTE INC. *v.* THE LOWE BROTHERS COMPANY, Opposition No. 26,027.

In a decision rendered July 11, 1947 (169 Ms. Dec. 385, 74 USPQ 113), *First Assistant Commissioner Frazer*, where The Lowe Brothers Company, of Dayton, Ohio, whose application to register a trade-mark is involved in an opposition proceeding instituted on the notice of opposition filed by Plasti-Kote Inc., of Cleveland, Ohio, petitioned the Commissioner in the exercise of his supervisory authority to instruct the Examiner of Trade-Mark Interferences to decide applicant's motion for summary judgment (filed April 19, 1947) on the merits, or alternatively, to decide said motion on the merits, denied the motion and also the petition in all other respects.

After noting that the sole ground of the motion is that the mark "Plax-Cote," which applicant is seeking to register, does not so nearly resemble either the mark "Plasticote" and "Plasti-Kote" relied upon by opposer as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers within the meaning of section 5(b) of the Trade-Mark Act of 1905, when the marks are appropriated to merchandise of the same descriptive properties; and that the Examiner had held that the marks of the parties contain obvious similarities, and the question whether they are likely to be confused in use in any event is deemed not to be so clear as to warrant terminating this case by an interlocutory rather than a final judgment, it was held that notwithstanding petitioner's argument to the contrary, the Examiner thus considered the merits of petitioner's motion.

After noting that the goods to which the marks are respectively applied are both paints and that the goods are not merely of the same descriptive properties, but are identical, it was held that numerous decisions of the Patent Office and the United States Court of Customs and Patent Appeals could be cited where trade-marks for identical merchandise, which were much less nearly alike than are these, have been held to be confusingly similar so that had the Examiner granted the motion for summary judgment his decision would have been clearly erroneous, and would doubtless have been reversed on appeal.

MARY GALLO *v.* E. & J. GALLO WINERY, Opposition No. 25,805.

In a decision rendered July 11, 1947 (169 Ms. Dec. 387, 74 USPQ 136), *First Assistant Commissioner Frazer* denied the petition of Mary Gallo, of Cleveland, Ohio, seeking a review and reversal of the action of the Examiner of Interferences denying her motion filed following applicant's answer for summary judgment sustaining her notice of opposition to the application of E. & J. Gallo Winery, of Modesto, Calif., on the ground that the name "Gallo" sought to be registered is merely a surname of many individuals, including opposer's, not distinctively displayed, and is therefore unregistrable under section 5(b) of the Trade-Mark Act of 1905.

After outlining the basis of the Examiner's denial of the motion it was held that the registrability of the word "Gallo" under the act of 1905 is at least doubtful, but it is unnecessary to pass upon that question here for the record otherwise fails to establish that opposer would be damaged by the proposed registration.

After noting the provisions of Rule 56 of the Rules of Civil Procedure and that the summary judgment procedure is available when it can be shown by affidavits or documents either recorded in the case or of indisputable character, that the proceedings do not in fact present an issue which requires further evidence, it was held that this proceeding does not present such an issue, since opposer alleged, and applicant denied, that opposer is using the word "Gallo" in the conduct of her business; such use must be proved before opposer can prevail, because otherwise she would not be damaged by the registration of applicant's mark; nor is it material that the answer is unverified for under the express provisions of Rule 11 of the Rules of Civil Procedure, such verification was unnecessary.

After conceding that "Gallo" is opposer's name, it was held that opposer has waived her right to rely thereon since that fact is not pleaded as a ground of opposition.

NEW ENGLAND GLASS WORKS, INC., *v.* UNTERMEYER, ROBBINS & Co., Cancellation No. 4742.

In a decision rendered July 15, 1947 (169 Ms. Dec. 389, 74 USPQ 137), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of New England Glass Works, Inc., of Providence, R. I., to cancel trade-mark registration No. 393,349, issued February 10, 1942, under the provisions of the act of February 20, 1905 to Untermeyer, Robbins & Co., of New York, N. Y., because of failure of the petition to state a claim upon which relief can be granted (Rule 12(b) of Rules of Civil Procedure).

It was held that since the petition does not allege that the goods to which petitioner applies its trade-mark have the same descriptive properties as those for which respondent's mark is registered, it is fatally defective; nor is the defect cured by peti-

tioner's assertion that in another case respondent made such allegation, because petitioner's pleading must be sufficient in itself independently to state a cause of action.

ROHM & HAAS COMPANY *v.* NEW PLASTIC CORPORATION, Opposition No. 24,410.

In a decision rendered July 15, 1947 (169 Ms. Dec. 390, 74 USPQ 138), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Rohm & Haas Company, of Philadelphia, Pa., to the application of New Plastic Corporation, of Los Angeles, Calif., for registration of the notation "Flex-O-Cryst" as a trade-mark for hard, semi-hard, and soft rods, sheets, and tubing composed of synthetic resins for use in the manufacture of various articles of merchandise, the mark being claimed to have been used since February 24, 1944. Opposer relied upon its ownership of the trade-mark "Plexiglas," registered June 6, 1939, for substantially identical merchandise.

After noting that it was the Examiner's opinion that the two marks are so nearly alike in sound as to be reasonably calculated to cause confusion in trade and deception of purchasers, it was held that if that were their only resemblance, agreement could be expressed with applicant's contention that confusion is unlikely.

It was held, however, that insofar as they have any significance, that is also quite similar for "glas" suggests "glass," and by dictionary definition "-cryst" is a combining form for "crystal" and in several senses, "glass" and "crystal" are synonymous so that since the first two syllables of the marks are practically indistinguishable in sound, and their last syllables may be regarded as the same in meaning, it was held that the marks as a whole are confusable as held by the Examiner; at least the question is not free from doubt and it is well established that doubts must be resolved against the newcomer in the field.

After noting that applicant bases a considerable portion of its argument upon the assumption that the goods of the parties are sold to discriminating classes of purchasers, thereby minimizing any likelihood of confusion of the marks as might otherwise exist, it was held that no testimony was taken, however, and the existence of facts not in evidence may not be assumed.

MCKESSON & ROBBINS, INCORPORATED, *v.* CHARLES OF THE RITZ, INC., Oppositions Nos. 25,072 and 25,097.

In a decision rendered July 16, 1947 (169 Ms. Dec. 391, 74 USPQ 139), *First Assistant Commissioner Frazer* affirmed in each of two cases the action of the Examiner of Interferences dismissing the notices of opposition on motion. Charles of the Ritz, Inc., of New York, N. Y., applied for registration of the word "Directoire" as a trade-mark for toilet soap in one application and for perfumes, colognes, and dusting powder in the other. Both applications were opposed by McKesson & Robbins, Incorporated, of New York, N. Y., on the ground that the proposed registrations were barred by reason of opposer's prior registration of the same mark for wine. The motions to dismiss were made and granted on the ground that the goods respectively involved in each case are of different descriptive properties.

It was held that the Examiner of Interferences rightly ruled that the goods respectively involved in each case are of different descriptive properties.

In response to opposer's argument that there are allegations in the notices of opposition to the effect that for more than one hundred and thirteen years opposer has been making and selling the very goods upon which applicant proposes to use its mark, it was held that opposer correctly states that for the purpose of the motions to dismiss applicant has admitted the truth of such allegations, but that it is not alleged that opposer has sold any goods other than wine under the trade-mark in question.

VICTOR LEON *v.* MCKESSON & ROBBINS, INCORPORATED, AND WILLIAM J. WARDALL, TRUSTEE OF THE ESTATE OF MCKESSON & ROBBINS, INCORPORATED, Cancellation No. 4605.

In a decision rendered July 17, 1947 (169 Ms. Dec. 392, 74 USPQ 140), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Victor Leon, of Waterbury, Conn., to cancel the trade-mark registration No. 356,743, issued May 10, 1938, under the provisions of the act of February 20, 1905, to McKesson & Robbins, Incorporated, of Bridgeport, Conn.

After noting that it is not clear from the record whether the registration sought to be canceled is now owned by McKesson & Robbins, Incorporated, or by Mr. Wardall, who took title some years ago as trustee, it was held that because of the view taken of the case such ownership is immaterial and need not be investigated.

After further noting that it is alleged in the petition to cancel that the registered mark has been abandoned, it was held that for the purpose of this particular proceeding, that is likewise immaterial; also it is not established by the evidence for although petitioner sent investigators to a number of stores, who reported that they were unable to find for sale any product bearing the trade-mark, nevertheless, their search was not sufficiently exhaustive even to indicate that the mark is not extensively used, much less to prove its abandonment.

After noting that petitioner alleged his ownership of a certain trade-mark; that McKesson & Robbins, Incorporated, had opposed the registration of said mark; and that in the opposition proceeding reliance is placed on the registration herein sought to be cancelled, it was held that petitioner did not allege that the two marks are appropriated to goods of the same descriptive properties, nor did he allege that they are confusingly similar so that the petition to cancel is thus fatally defective to state a claim upon which relief can be granted within the meaning of section 12(b) of the Rules of Civil Procedure; and regardless of the merits of the case, a judgment in petitioner's favor would be without support in the pleadings.

MCKESSON & ROBBINS, INCORPORATED, *v.* VICTOR LEON, Opposition No. 23,936.

In a decision rendered July 17, 1947 (169 Ms. Dec. 394, 74 USPQ 139), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Victor Leon, of Waterbury, Conn., for registration of a trade-mark for hair lotions and scalp massage cream, applicant's mark being the notation "Calo Cut," in association with the picture of a girl's head, the word "Cut" being disclaimed and the mark being said to have been in use since January 1942. Opposer took no testimony but relied upon its alleged ownership of two registrations, issued June 28, 1904, and May 10, 1938, respectively, the former having been duly renewed. The registered marks are "Calox" for tooth powder and "Cala" for a long list of medicinal and pharmaceutical preparation, including bandoline.

After noting that the record indicates that legal title to both registrations remains vested in opposer's erstwhile trustee in bankruptcy and it was upon that ground that the Examiner of Interferences dismissed the opposition, holding that since opposer had failed to prove its asserted ownership of either registered mark, it had not shown that it would be damaged by the registration of applicant's mark, it was held that it was unnecessary that the Examiner express an opinion as to the merits of the controversy, and that even had opposer established title to the registrations pleaded, nevertheless the opposition should still have been dismissed so that regardless of the Examiner's reasons, he arrived at the correct result.

It was held that the goods mentioned in the registered mark and in the application must also be regarded as having the same descriptive properties although none are identical, however, with applicant's goods.

It was further held that the marks differ considerably; that "Calo Cut" could not well be mistaken for "Calox," even were the two used with the same articles of merchandise; that while there is a resemblance between "Calo" and "Cala," applicant's mark is dominated by "Calo Cut," which notation must be compared as a whole with the "Cala" mark and that so compared, and considering the specific differences between the goods to which appropriated, there is no reasonable likelihood that the concurrent use of these two marks would result in confusion.

VALPO COMPANY *v.* SOLIS, ENTRIALGO Y COMPANIA, Cancellation No. 4621.

In a decision rendered July 18, 1947 (169 Ms. Dec. 400, 74 USPQ 193), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of Valpo Company, of Berwyn, Ill., to cancel trade-mark registration No. 334,967, issued May 19, 1936, under the provisions of the act of February 20, 1905, to Solis, Entrialgo y Compania, of Habana, Cuba. The mark of the registration sought to be canceled is the notation "Forbidden Love." It is appropriated to a long list of toilet preparations, including perfumes. The petition to cancel is predicated upon petitioner's ownership of a mark consisting essentially in the words "Love Lane," registered for perfumes on November 16, 1926. No testimony was taken by either party.

It was held that while the statute provides that a petition to cancel a trade-mark registration may be filed at any time by one who shall deem himself injured, nevertheless doubts should be resolved in favor of a prima facie owner whose mark has been so long registered as has respondent's, and that though injury may be presumed in a proper case, such presumption is unwarranted in the absence of supporting evidence unless the mark of the petitioner and the mark of the respondent may be regarded as so nearly alike as to be obviously confusable.

It was further held that "Love Lane" and "Forbidden Love" may not be so regarded; the two expressions, viewed as a whole, differ in appearance and have no similarity in meaning; the word "Love" is of course common to both but it comes first in petitioner's mark and last in respondent's and is combined with radically different words; neither party could successfully contend that it is entitled to preempt the field with respect to marks having "Love" as a portion thereof and thus exclude all others from the use of any mark composed in part of that term because it was a well known and commonly used term having a well understood significance, so that since petitioner has failed to prove itself injured by the registration of respondent's mark, the petition to cancel should have been dismissed.

EX PARTE THE COLUMBIA RESTAURANT, Serial No. 469,034.

In a decision rendered July 18, 1947 (169 Ms. Dec. 398, 74 USPQ 190), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Columbia Restaurant, of Tampa, Fla., under the provisions of the act of February 20, 1905, a mark described in applicant's brief as consisting of an illustration of a portion of the interior of its restaurant in connection with the words "Columbia Restaurant" for foods, the particular foods named in the application being steak Capuchina or cooked

beefsteak, cocoanut ice cream, chicken with yellow rice, and Spanish bean soup canned and otherwise contained, on the ground that the mark comprises undisclaimed geographical and descriptive terms.

After noting that the Examiner required that the word "Columbia" be disclaimed because geographical and the word "Restaurant" because descriptive, it was held that clearly "Restaurant" is descriptive of ready-to-serve foods and that "Columbia" is geographical, so that although the mark as a whole is neither merely descriptive nor merely geographical, those terms must nevertheless be disclaimed.

The First Assistant Commissioner, however, disagreed with the Examiner that such disclaimer would render the mark registrable, for in the case of a trade-mark which consists of words accompanied by other pictorial indicia the portion of the mark which would be likely to indicate origin would be the words used and it is well established that a mark which is dominated by nonregistrable matter may not be registered under the act of 1905.

EX PARTE FIDEL J. DIAZ, Serial No. 485,724.

In a decision rendered July 18, 1947 (169 Ms. Dec. 395, 74 USPQ 191), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Fidel J. Diaz, of Tampa, Fla., a mark for cigars, comprising the words "Tampa Queen," in association with a handsome picture of a lady's face according to the Examiner, or the illustration of the head and shoulders of a beauty queen, according to applicant, on the ground that the mark is dominated by geographical and descriptive words.

It was held that in any event the mark is dominated by the words and that since applicant admits that the word "Tampa" is a geographical word and that the word "Queen" is used in connection with a type or shape of cigar, the mark as presented is clearly nonregistrable.

EX PARTE EVERSHARP, INC., Serial No. 482,796.

In a decision rendered July 18, 1947 (169 Ms. Dec. 396, 74 USPQ 192), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to Eversharp, Inc., of Chicago, Ill., the word "Presentation" as a trade-mark for fountain pens and mechanical pencils on the ground that it is merely descriptive of the goods.

After noting the Examiner's ruling that fountain pens and mechanical pencils are goods which lend themselves favorably as gifts or presents and that when these goods are attractively packaged, or otherwise, and labeled "Presentation," they indicate to the purchaser that they are appropriate gifts for his particular needs, it was held that such reasoning is somewhat imaginative and farfetched for purchasers would be more likely to construe the mark as an indication that something new is being introduced to the public; in either sense, the mark is suggestive rather than descriptive.

EX PARTE EVERSHARP, INC., Serial No. 458,511.

In a decision rendered July 18, 1947 (169 Ms. Dec. 399, 74 USPQ 192), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Eversharp, Inc., of Chicago, Ill., under the act of February 20, 1905, the notation "Red Top" as a trade-mark for leads for pencils in the absence of a disclaimer of the word "Red."

Although agreeing with the applicant that the composite notation "Red Top," when considered as a whole does not have any descriptive significance whatsoever pertaining to leads, it was held that the word "Red" has but one meaning, either alone or in combination with other words; that it is necessarily descriptive of any article having that color; and that it is well established that the statute requires the disclaimer of descriptive words in composite marks even though such marks as a whole are not merely descriptive.

THE WILLIAM CARTER COMPANY *v.* WILLIAM B. SCHWARTZ (WILLIAM B. SCHWARTZ & CO., INC., ASSIGNEE, SUBSTITUTED), Cancellation No. 4694.

In a decision rendered July 18, 1947 (169 Ms. Dec. 397, 74 USPQ 191), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences where The William Carter Company, of Needham Heights, Mass., had filed a petition to cancel the trade-mark registration issued to William B. Schwartz (William B. Schwartz & Co., Inc., Assignee, Substituted), of Philadelphia, Pa., under the act of February 20, 1905, and in his answer, Schwartz included a counterclaim seeking cancellation of a registration pleaded in the petition, which counterclaim the Examiner of Interferences dismissed on the ground that it fails to state a claim upon which relief can be granted pursuant to Rule 12(b) of the Rules of Civil Procedure.

After noting that the counterclaim alleged merely that petitioner's mark is confusingly similar to certain previously registered marks appropriated to merchandise of the same descriptive properties and the Examiner's ruling that in order to maintain the counterclaim it must be made to appear that the respondent as against the petitioner possesses a superior right in respect to the marks of the parties; the respondent has asserted no such right in this case; on the contrary, it appears that the registered marks on which the counterclaim is based belong to strangers hereto; the question of possible conflict between any of these marks and that of the petitioner obviously is of no proper concern to the respondent, it was held since it is thus clearly apparent that the counterclaim does not state facts sufficient to constitute a cause of action, its dismissal was well nigh mandatory.

EX PARTE BROWN & HALEY, Serial No. 470,652.

In a decision rendered July 18, 1947 (169 Ms. Dec. 401, 74 USPQ 193), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Brown & Haley, of Tacoma, Wash., a mark for candy bars, consisting of the word "Mountain" and the representation of a mountain, showing clouds, trees, and what appears to be a lake, all inclosed within a border formed by two concentric circles, in view of four prior registrations. One of the registered marks is the notation "White Mountain" for marshmallows. The other three, all appropriated to candies, are composite marks including representations of mountains, and respectively dominated by the expressions, "Smoky Mountain," "Orange Mountain," and "Peanut Mountain."

It was held that the "White Mountain" mark is perhaps the most pertinent because the mountain of applicant's mark is definitely white, but that the others are all valid references.

It was further held that it does not help applicant's case that one or more of the reference registrations might have been improperly allowed over the others.

EX PARTE WINDSOR OVERCOAT COMPANY, Serial No. 461,727.

In a decision rendered July 22, 1947 (169 Ms. Dec. 402, 74 USPQ 194), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Windsor Overcoat Company, of Philadelphia, Pa., under the provisions of the act of February 20, 1905, the notation "Windsor Paca," as a trade-mark for men's and young men's topcoats and overcoats, on the ground that "Windsor" is geographical and "Paca" is publici juris applied to coats.

After noting that applicant seems to concede that neither word is separately registrable and further noting that in the Examiner's statement, and in the applicant's brief, it is erroneously assumed that the word "Windsor" has been disclaimed, in response to applicant's argument that the mark as a whole is a purely fanciful term, it was held that even were such a disclaimer entered, and regardless of any significance the word "Paca" might have, the mark is nonregistrable under the act of 1905 because it is clearly dominated by the geographical term.

ALBERS MILLING COMPANY *v.* STALEY MILLING COMPANY, Opposition No. 24,491.

In a decision rendered July 23, 1947 (169 Ms. Dec. 404, 74 USPQ 195), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Albers Milling Company, of Portland, Oreg., to the application of Staley Milling Company, of North Kansas City, Mo., for registration of the notation "Pig Mama," claimed to have been used since June 1939 as a trade-mark for hog and pig feed, the descriptive word "Pig" being disclaimed apart from the mark as shown in the drawing. The opposition was sustained on the ground that applicant's mark is confusingly similar to a mark consisting essentially in the words "Calf-Manna," which was registered to opposer for mixed calf food on April 25, 1933, the word "Calf" being disclaimed in the registration. Neither party took testimony.

After noting that applicant concedes that the goods of the parties are closely related, in response to applicant's argument that there is nevertheless a difference between such goods which should have been considered by the Examiner of Interferences, it was held that the goods of the parties are obviously of the same descriptive properties; the only difference apparent from the record is that one is intended primarily for the feeding of pigs, and the other for the feeding of calves; it would seem that a farmer who is familiar with opposer's calf feed may well assume that opposer also puts out a pig feed, and identifies it as such, so that the decisive question is whether "Mama" and "Manna" differ sufficiently to distinguish applicant's goods from the goods of opposer.

In response to applicant's argument that it is clearly obvious that the term "Mama" and the term "Manna" cannot be confused under any consideration for there is no similarity of meaning, appearance, sound, spelling or significance, after agreeing with applicant that the two words possess nothing in common as to meaning, it was held that in appearance and sound they are so nearly alike as to render the marks as a whole readily confusable when applied to the particular goods involved; and even were there room for doubt in that regard, such doubt must be resolved in opposer's favor.

KAUFMANN DEPARTMENT STORES, INC., *v.* ROBERT H. PRICE, Opposition No. 24,330.

In a decision rendered July 23, 1947 (169 Ms. Dec. 403, 74 USPQ 196), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Kaufmann Department Stores, Inc., of Pittsburgh, Pa., to the application of Robert H. Price, of Shelton, Wash., for registration of a mark comprising the notation "Solv-o-Soil," the word "Soil" being disclaimed, for a cleaning solvent and detergent for cleaning and spotting fabrics, use of the mark being claimed since August 15, 1944. Opposer relied upon its ownership of the trade-mark "Sollo," registered October 4, 1932, for soap, soap chips, and soap flakes.

It was held that obviously the goods of the parties are of the same descriptive properties so that the only question for determination is whether the marks are so similar as to be likely to confuse the public or to deceive purchasers.

After noting that the word "Soil" in applicant's mark is descriptive of the goods and was disclaimed for that reason, it was held that the mark is therefore dominated by the term "Solv-o," which, as applicant points out, is highly suggestive; although "Sollo" has no apparent meaning in relation to soap products nevertheless in sound it is practically indistinguishable from the dominant portion of appli-

cant's mark and it does not greatly differ therefrom in appearance so that there is a reasonable likelihood of confusion between the two marks and the opposition was properly sustained.

AMERICAN PHARMACEUTICAL COMPANY, INC., *v.* VITAMIN CORPORATION OF AMERICA, Opposition No. 22,584.

In a decision rendered July 25, 1947 (169 Ms. Dec. 408, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of American Pharmaceutical Company, Inc., of New York, N. Y., to the application of Vitamin Corporation of America, of Newark, N. J., for registration of a trade-mark for vitamin preparations, capsules and tablets, and vitamin concentrates and the like used in the treatment of vitamin deficiencies, the mark consisting of the letters "VCA" superimposed upon a map of the United States which is held in the hands of a grotesque figure, the letters being the dominant feature of the mark, and use of the mark being claimed since June 10, 1942.

After noting that in December 1936 opposer adopted the letters "VCA" as a trade-mark for various vitamin preparations, it was held that the evidence indicates that its use of the mark, while not extensive, has been more or less continuous since that date; its use in intrastate commerce is sufficient bar to the registration of a confusingly similar mark to a competitor so that opposer has established trade-mark use and ownership of the mark and since the goods of the parties are substantially identical, as are also opposer's mark and the dominant portion of applicant's mark, it seems too obvious to merit discussion that confusion would be likely to occur were the two marks used concurrently in trade.

MCKESSON & ROBBINS, INCORPORATED, v. INGRAM LABORATORIES, INC., Opposition No. 24,369.

In a decision rendered July 25, 1947 (169 Ms. Dec. 407, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interference dismissing the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of Ingram Laboratories, Inc., of San Francisco, Calif., for registration of the word "Thex" as a trade-mark for a medicinal preparation of vitamin B complex factors including thiamine HCl, riboflavin, pyridoxine HCl, pantothenic acid, and niacinamide, for treatment and prophylaxis in conditions of deficiencies of the vitamin B complex. The sole ground of opposition was opposer's alleged ownership of the trade-mark "Bexel," previously registered for a vitamin B complex preparation.

After noting that opposer took no testimony, the First Assistant Commissioner held that while he was inclined to agree with the Examiner's conclusion that the documentary evidence of record does not establish the alleged ownership, which was denied in the answer, he did not find it necessary to rule upon the point for he also agreed with the Examiner that the marks in question are not confusingly similar.

EX PARTE FAIRY SILK MILLS, Serial No. 479,384.

In a decision rendered July 25, 1947 (169 Ms. Dec. 406, 74 USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to Fairy Silk Mills, of Shillington, Pa., and New York, N. Y., the word "faerie" as a trade-mark for tricot and Milanese fabrics in the piece made of cotton, silk, rayon, nylon and combinations of these yarns in view of a prior registration of the trade-mark "Fairyspun," appropriated to cotton voile.

It was held that obviously applicant's goods and those of the registration are of the same descriptive properties and were the question one of first impression, agreement could be expressed with the Examiner that the two marks are confusingly similar, but since in 1939 applicant was granted the registration of a mark for the same goods which is dominated by the word "faerie," in the absence of opposition, the application should be passed for publication, there being sufficient difference between the two marks here involved to create such a doubt, the benefit of which runs to the owner of a mark once registered.

EX PARTE JULETTE ORIGINALS, Serial No. 474,333.

In a decision rendered July 29, 1947 (169 Ms. Dec. 409, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register, in an application amended to come under the act of March 19, 1920, to Julette Originals, of Minneapolis, Minn., the notation "Julette Originals" as it appears on the labels of record as a trade-mark for dresses on the ground that the mark is confusingly similar to the trade-mark "Juliette," previously registered under the act of 1905 for underwear for men, women, and children; and sleeping garments for men, women, and children—namely, pajamas, nightgowns, bed jackets, and night caps; negligees.

After noting that the application was originally filed under the act of February 20, 1905, and that the mark there involved was the single word "Julette," which was refused registration on the ground here advanced (586 O. G. 513, 69 USPQ 178) it was held that the only additional question now to be determined is whether a different ruling should be made as to "Juliette" and "Julette Originals."

In response to applicant's arguments as to the importance to be attached to "Originals," because under the act of 1920 descriptive trade-marks are registrable, it was held that the Examiner was right in ruling that the word "Originals" when used in connection with dresses has little, if any, trade-mark significance, and that applicant's proposed trade-mark is dominated by the word "Julette."

B. T. BABBITT, INC., *v.* LANDON P. SMITH, INC. (BY CHANGE OF NAME, RED DEVIL TOOLS), Opposition No. 24,211.

In a decision rendered July 30, 1947 (169 Ms. Dec. 413, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of B. T. Babbitt, Inc., of Albany, N. Y., to the application of Landon P. Smith, Inc. (by change of name, Red Devil Tools), of Irvington, N. J., for registration of the notation "Red Devil" as a trade-mark for bodies of intermingled metallic ribbon-like abrasive elements for hand use for cleaning and scouring metallic and other surfaces, on the ground that applicant's mark is confusingly similar to a mark previously used and registered by opposer for cleanser or cleaning, scouring, or washing powder, this mark comprising the words "Red Devil," and a picture of his satanic majesty lined for the color red.

It was held that obviously opposer's mark bears such close resemblance to applicant's mark as to be readily confusable therewith if appropriated to merchandise of the same descriptive properties.

In response to applicant's assertion that nothing in the record indicates that the goods have been used together, are likely to be, or they are adapted for conjoint use; that its goods are improperly classified, and that it should be permitted to amend its application to describe them as a particular kind of abrading tool, it was held that the only article in evidence that could possibly fall within the present description of merchandise is plainly labeled a "pot cleaner," and judicial notice may properly be taken that pot cleaners and washing powders are frequently used together, at the same sink, and for the same general purpose; nor would the proposed amendment change the character of the goods.

After noting that applicant owns several registrations of the same trade-mark for various hand tools, including wall scrapers and putty knives, and the evidence indicates that as to these articles applicant's use of the mark antedates opposer's earliest use in connection with its scouring preparation, it was held, contrary to applicant's contention, however, that such prior use is of no consequence here for applicant's tools and its pot cleaners are of different descriptive properties.

PEPPERELL MANUFACTURING COMPANY *v.* PEERLESS FABRICS CO. (PEERLESS MILLS CO. OF NEW YORK, ASSIGNEE, SUBSTITUTED), Opposition No. 24,203.

In a decision rendered July 30, 1947 (169 Ms. Dec. 412, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Pepperell Manufacturing Company, of Boston, Mass., to the application of Peerless Fabrics Co. (Peerless Mills Co. of New York, Assignee, Substituted), of New York, N. Y., for registration of a trade-mark, claimed to have been used since February 1, 1943, for textile fabrics in the piece, of wool, worsted, cotton, rayon, and combinations thereof, the mark being the notation "Peer-Mill," the word "Mill" being disclaimed except in the relation and association shown on the drawing. One of the numerous trade-marks pleaded by opposer is "Pepperell Mills," registered April 14, 1908, under the ten-year proviso of the act of February 20, 1905, for bleached and unbleached cotton piece goods, which registration has been renewed, and is still in effect.

After noting that the Examiner of Interferences considered others of opposer's registered trade-marks to be pertinent, including the word "Pepperell" alone for textile fabrics, and after expressing doubt that this mark is likely to be confused with applicant's mark, it was held that it is unnecessary to pass on the question because confusion might readily occur between "Peer-Mill" and "Pepperell Mills," particularly in view of the fact that the merchandise to which the two are respectively appropriated is in part identical; applicant's mark may well be termed a telescoped version of opposer's mark; nor would applicant's disclaimer of the word "Mill" serve to avoid confusion; there is no disclaimer in opposer's registration, and opposer is presumed to own its mark as registered.

BOYLE-MIDWAY INC. *v.* AUTOGROOM COMPANY, INC., Opposition No. 24,370.

In a decision rendered July 30, 1947 (169 Ms. Dec. 410, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Boyle-Midway Inc., of New York, N. Y., to the application of Autogroom Company, Inc., of Woodside, Long Island, N. Y., for registration of a trade-mark for a preparation for producing lustre upon finished surfaces, the mark comprising a representation of a shield divided into two contrastingly colored horizontal panels, the upper of which contains the words "Auto and" and the lower the notation "Aero-Groom." Opposer relied upon its ownership of the trade-marks "Autobrite" for automobile polish and "Aerowax" for wax polish, both registered on applications filed before applicant's claimed date of first use. Neither party took testimony.

After noting that the Examiner of Interferences disregarded opposer's "Autobrite" mark, but sustained the opposition on the ground that applicant's mark is confusingly similar to "Aerowax," and appropriated to merchandise of the same descriptive properties, it was held that "aero" is not descriptive, or even suggestive, of the goods of either party; it is, however, the dominant portion of both marks, because it is the only word occurring in either that is capable of trade-mark significance; that being true, it seems reasonably likely that confusion may result from the concurrent use of the two marks on competitive merchandise of the character here involved; at least the question is not free from doubt, and it is well established that doubts must be resolved in favor of the prior user.

OAKITE PRODUCTS, INC., *v.* THE GLOBE CHEMICAL COMPANY, Opposition No. 23,851.

In a decision rendered July 31, 1947 (169 Ms. Dec. 416, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of Oakite Products, Inc., of New York, N. Y., to the application of The Globe Chemical Company, of Cincinnati, Ohio, for registration of the word "Globrite" as a trade-mark for a powdered cleaning compound. The opposition was predicated upon opposer's ownership of the trade-mark "Oakite," previously registered for various cleaning preparations, all of which have the same descriptive properties as applicant's goods, and some of which applicant concedes to be purchased and used by the public for substantially identical purposes. The case was submitted on a stipulation of facts, from which it appears that applicant's mark has been in use since 1944, and opposer's since 1909.

It was held that there is practically no physical resemblance between the contesting marks, each considered as a whole, nor is there any resemblance in the per se meaning of the terms, since applicant's mark is made up of two ordinary English words, because in relation to a cleaning preparation "Globrite" is obviously a contraction of the words "glow bright," and that is the significance it would convey to the public.

FAIRCHILD ENGINE AND AIRPLANE CORPORATION *v.* OUTBOARD, MARINE & MANUFACTURING COMPANY, Opposition No. 23,948.

In a decision rendered July 31, 1947 (169 Ms. Dec. 415, 74 USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Fairchild Engine and Airplane Corporation, of Farmingdale and Jamaica, N. Y., to the application of Outboard, Marine & Manufacturing Company of Milwaukee, Wis., for the registration of the word "Ranger" as a trade-mark for outboard motors. Opposer pleaded and proved prior use of the same mark for internal-combustion engines for airplanes, which the Examiner held to be of the same descriptive properties as applicant's goods.

It was held that the two articles are both motors, and being thus capable of a general definition they belong to the same class of merchandise, and are broadly of the same descriptive properties; and since the marks of the parties are identical, it is immaterial, even were it established, that confusion in their use would be unlikely.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 26, 1947

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The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

CLASS 2

RECEPTACLES

Ser. No. 497,324. NORMAN E. OLIN, New York, N. Y. Filed Feb. 27, 1946.

NEO

FOR SERVICE TRAYS, PLASTIC FACE POWDER BOXES, PLASTIC CANDY BOXES, AND PLASTIC WASTE PAPER BOXES.
Claims use since Jan. 1, 1937.

Ser. No. 502,960. FIBRCAN CORPORATION, New York, N. Y. Filed May 29, 1946.

SANIKORN

FOR MATERIAL OR WASTE CANS OF PLASTIC, PAPER, OR BASE METAL.
Claims use since Mar. 15, 1946.

Ser. No. 519,299. SYHUTT INDUSTRIES, Washington, D. C. Filed Mar. 19, 1947.

COMPATOMIZER

FOR VANITY CASES OF BASE METALS AND PLASTIC MATERIAL EQUIPPED WITH AN ATOMIZER AND SOLD IN TRADE EMPTY.
Claims use since Mar. 3, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 502,340. THEODORE SPECTOR, Philadelphia, Pa. Filed May 17, 1946.

Selene

FOR LIQUID PREPARATION FOR REMOVING LIPSTICK AND NAIL POLISH FROM FABRICS.
Claims use since May 15, 1946.

Ser. No. 503,233. THORIUM LIMITED, London, England. Filed June 3, 1946.

CERIROUGE

Applicant disclaims the word "Rouge" apart from the mark.
FOR ROUGE FOR POLISHING GLASS.
Claims use since Mar. 9, 1944.

Ser. No. 503,735. MAURICE MILLER, Pottstown, Pa. Filed June 12, 1946.

RESTORZIT

FOR DRY CLEANING FLUID.
Claims use since May 30, 1946.

Ser. No. 508,603. MINERAL CLEANSERS COMPANY, New York, N. Y. Filed Sept. 6, 1946.

GOSSIP
"Out Comes The Dirt"

The words "Out Comes the Dirt" are disclaimed apart from the mark.
FOR HOUSEHOLD CLEANSER PREPARATION.
Claims use since May 21, 1941.

Ser. No. 508,988. THE EMKAY CHEMICAL COMPANY, Elizabeth, N. J. Filed Sept. 13, 1946.

flik-O

FOR HOUSEHOLD CLEANING PREPARATION.
Claims use since Apr. 1, 1946.

Ser. No. 511,822. LEE E. LOGAN, Edgemont, S. Dak. Filed Oct. 31, 1946.

I NO.-:-U NO

FOR SOAP IN BAR AND POWDERED FORMS.
Claims use since Aug. 13, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 473,596. THE COLORADO PRODUCTS COMPANY, also doing business as The Navajo Porducts Co., Trinidad, Colo., and Las Vegas, N. Mex. Filed Aug. 25, 1944.



In the drawing only the word "Musterub" is shaded to indicate the color, red, but the border is not shaded to indicate color.
FOR RUBBING SALVE FOR THE TREATMENT OF COUGHS, COLDS, CONGESTION OF THE LUNGS, PNEUMONIA, BRONCHITIS, CROUP, PLEURISY, FROST BITES, NEURALGIA, SORE JOINTS, MUSCLES, RHEUMATISM, AND SIMPLE HEADACHES.
Claims use since Sept. 1, 1941.

Ser. No. 491,428. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Nov. 10, 1945.

PENCO

FOR INSECTICIDES:
Claims use since Mar. 19, 1945.

Ser. No. 501,009. NETTIE ROSENSTEIN, INC., New York, N. Y. Filed Apr. 26, 1946.

After Hours

FOR PERFUMES AND COLOGNES.
Claims use since Apr. 23, 1946.

Ser. No. 506,085. AVON PRODUCTS, INC., New York, N. Y. Filed July 23, 1946.

COTILLION CLASSIC

Applicant is the owner of Reg. No. 328,607.
FOR COSMETIC SET CONSISTING OF COLOGNE AND BODY POWDER.
Claims use since Apr. 10, 1946.

Ser. No. 506,161. MARY F. CUSHING, EXECUTRIX FOR THE ESTATE OF CALEB H. CUSHING, doing business as W. Cushing & Company, Dover-Foxcroft, Maine, assignor to Mary F. Cushing, doing business as W. Cushing and Company. Filed July 24, 1946. Under 10-year proviso.

"PERFECTION"

FOR POWDERED DYESTUFFS, DRY, WATER SOLUBLE DERIVED FROM COAL TAR AND ANOLIN FOR USE IN DYEING AND FOR TINTING TEXTILE FABRICS, BRAIDING, RUGS, DRAPES, CURTAINS, HANGINGS, AND FOR THE DYEING OF NATURAL OR SYNTHETIC TEXTILE FIBERS.
Claims use since January 1879.

Ser. No. 506,227. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed July 25, 1946.

Alminate

FOR ANTI-ACID TABLETS.
Claims use since May 27, 1946.

Ser. No. 506,496. BEEMAN'S LABORATORY, INC., Atlanta, Ga. Filed July 30, 1946.

B-G-O

FOR MEDICINAL OINTMENT FOR RELIEF OF INSECT BITES, BURNS, AND FOR TREATMENT OF MINOR SKIN AILMENTS.
Claims use since Jan. 22, 1931.

Ser. No. 507,092. AVON PRODUCTS, INC., New York, N. Y. Filed Aug. 9, 1946.

ROSY MORN

FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since July 1940.

Ser. No. 507,610. ALDAN CHEMICAL ENTERPRISES, INC., Clifton Heights, Pa. Filed Aug. 19, 1946.

GAY DOG

No claim is made to the word "Dog" apart from the mark.
FOR COMPOUND FOR KILLING FLEAS.
Claims use since Apr. 15, 1946.

Ser. No. 508,262. BIRO, MEYNE & BIRO, INC., New York, N. Y. Filed Aug. 30, 1946.

ANAITIS

FOR PERFUMES AND LIPSTICKS.
Claims use since Aug. 8, 1946.

Ser. No. 508,781. HENRIETTE BONTEN, Neuilly, France. Filed Sept. 10, 1946.



Applicant disclaims the words "Dé Villars," "Parfumeur" and "Paris" apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Mar. 30, 1944.

Ser. No. 509,115. M. C. WENTZ, doing business as M. C. Wentz Co., Pasadena, Calif. Filed Sept. 14, 1946.

RANCH BRANDS

No claim is made to the word "Brands" apart from the mark.
FOR COLOGNE AND AFTER-SHAVE LOTION.
Claims use since Aug. 26, 1946.

Ser. No. 509,116. M. C. WENTZ, doing business as M. C. Wentz Co., Pasadena, Calif. Filed Sept. 14, 1946.

VAQUERO

FOR COLOGNE AND AFTER-SHAVE LOTION.
Claims use since Aug. 26, 1946.

Ser. No. 509,689. BELL & HUDGINS CHEMICAL CO., New York, N. Y. Filed Sept. 25, 1946.

KONK

FOR HAIR STRAIGHTENING PREPARATION.
Claims use since May 20, 1946.

Ser. No. 510,916. WYETH INCORPORATED, Philadelphia, Pa. Filed Oct. 15, 1946.

PROPION

FOR MEDICINAL PREPARATIONS FOR THE TREATMENT OF FUNGAL DISEASES.
Claims use since Sept. 13, 1946.

Ser. No. 511,229. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Oct. 21, 1946.

PHOSENIRON

FOR PREPARATION FOR PARENTERAL USE IN CERTAIN HYPOCHROMIC ANEMIAS AND IN GENERAL DEBILITY.
Claims use since about 1937.

Ser. No. 511,357. SOCIETE D' ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris, and Asnieres near Paris, France. Filed Oct. 23, 1946.

GRANDE EPOQUE

FOR PERFUMES.
Claims use since Sept. 12, 1946.

Ser. No. 511,657. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 28, 1946.

COMPANOL

FOR MEDICINAL PREPARATION FOR USE IN THE PREVENTION AND TREATMENT OF TRAVEL SICKNESS.
Claims use since Oct. 17, 1946.

Ser. No. 511,756. PARFUMS VERCHERE (PARFUMS JEROME) SOCIÉTÉ A RESPONSABILITÉ LIMITÉE, Paris, France. Filed Oct. 30, 1946.

DÉSORMAIS

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Mar. 20, 1945.

Ser. No. 511,757. PARFUMS VERCHERE (PARFUMS JEROME) SOCIÉTÉ A RESPONSABILITÉ LIMITÉE, Paris, France. Filed Oct. 30, 1946.

PADDY

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Mar. 20, 1945.

Ser. No. 512,126. ROBERT L. MARTIN, doing business as Martin & Martin, Dayton, Ohio. Filed Nov. 6, 1946.

MAR-CE

FOR OINTMENT FOR PILES AND BURNS.
Claims use since Oct. 2, 1940.

Ser. No. 512,136. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 6, 1946.

TYROTIN

FOR ANTIBACTERIAL AND EAR DROP PREPARATION WITH ANALGESIC AND ANESTHETIC PROPERTIES.
Claims use since Oct. 10, 1946.

Ser. No. 512,228. CELIA ASCH, doing business as Fad Beauty Products Co., New York, N. Y. Filed Nov. 8, 1946.

Chiquita

FOR PERFUME AND TOILET WATER.
Claims use since Aug. 20, 1946.

Ser. No. 512,241. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Nov. 8, 1946.

DAGGER

FOR PERFUME, TOILET WATER, FACE POWDER, LIPSTICK, AND BRILLIANTINE.
Claims use since Oct. 25, 1946.

Ser. No. 512,242. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Nov. 8, 1946.

BODY AND SOUL

FOR PERFUME, TOILET WATER, FACE POWDER, LIPSTICK, AND BRILLIANTINE.
Claims use since Oct. 25, 1946.

Ser. No. 512,271. LUCIEN LELONG, INC., Chicago, Ill. Filed Nov. 8, 1946.

Orgueil

FOR PERFUMES.
Claims use since Oct. 10, 1946.

Ser. No. 512,335. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Nov. 9, 1946.

CONTRABAND

FOR LIPSTICKS.
Claims use since Oct. 15, 1946.

Ser. No. 512,336. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Nov. 9, 1946.

HOPSCOTCH

FOR LIPSTICKS.
Claims use since Oct. 8, 1946.

Ser. No. 512,435. LOCKE CHEMICAL COMPANY, Baltimore, Md. Filed Nov. 12, 1946.

308

FOR HAIR AND SCALP PREPARATIONS, IN LIQUID FORM, FOR REMEDIAL TREATMENT OF DANDRUFF AND ITCHING SCALP DUE TO MINOR IRRITATIONS OF THE SCALP.
Claims use since 1926.

Ser. No. 512,555. FRANK L. WILEY, doing business as Oneida Chemical Company, Utica, N. Y. Filed Nov. 13, 1946.

RAT BUTR

No claim is made to the word "Rat" separate and apart from the mark.
FOR POISON PASTE FOR EXTERMINATION OF RATS.
Claims use since November 1936.

Ser. No. 512,571. BLUE RIDGE LABORATORIES, Clemson, S. C. Filed Nov. 14, 1946.

SALACOL

FOR SKIN REMEDY FOR USE IN THE TREATMENT OF FUNGAL INFECTIONS.
Claims use since Sept. 17, 1946.

Ser. No. 512,586. EDWARD F. GLASZER, Chicago, Ill. Filed Nov. 14, 1946.

★ démex

FOR PREPARATION FOR COUGHS AND THROAT IRRITATIONS
Claims use since Oct. 30, 1946.

Ser. No. 512,641. R. A. COBB, Houston, Tex. Filed Nov. 15, 1946.

COBTOX

FOR INSECTICIDES.
Claims use since Nov. 7, 1946.

Ser. No. 512,649. DAY CHEMICAL CO., Newark, N. J. Filed Nov. 15, 1946.

SURGICAINE

FOR LOCAL ANAESTHETIC USED HYPODERMICALLY OR AS AN OINTMENT.
Claims use since Jan. 13, 1943.

Ser. No. 512,774. E. FOUGERA & CO, INC., New York, N. Y. Filed Nov. 18, 1946.

DIGIVEL

FOR MEDICINAL PREPARATION TO BE USED IN THE TREATMENT OF CONGESTIVE HEART FAILURE.
Claims use since Nov. 8, 1946.

Ser. No. 513,464. GROVER C. ROGERS, Lake City, S. C. Filed Nov. 29, 1946.

MAL------ROG

FOR PREPARATION FOR THE TREATMENT OF MALARIA.
Claims use since Oct. 28, 1946.

Ser. No. 514,196. GRENOVILLE, SOCIETE ANONYME, Asnieres, France. Filed Dec. 13, 1946.

CHAINE D'OR

FOR PERFUMES, COLOGNE, TOILET WATERS, AND ROUGES.
Claims use since 1938.

Ser. No. 514,501. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 18, 1946.

STATICIN

FOR BLOOD CLOTTING PREPARATION FOR USE IN DENTISTRY AND A PREPARATION FOR USE IN ANTIBACTERIAL THERAPY.
Claims use since Oct. 16, 1946.

Ser. No. 515,529. BEE CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 10, 1947.

OVERGRIND

FOR CHEMICAL COMPOSITION FOR USE IN THE GRINDING OF METALS; THESE PRODUCTS ARE COOLANT AND SURFACE ACTIVE COMPOSITIONS, FREE FROM ABRASIVE MATERIAL.
Claims use since July 1946.

Ser. No. 516,191. IRRESISTIBLE, INC., New York, N. Y. Filed Jan. 23, 1947.

SACRIFICE

FOR PERFUME.
Claims use since Dec. 13, 1946.

Ser. No. 516,193. IRRESISTIBLE, INC., New York, N. Y. Filed Jan. 23, 1947.

FRATERNITY

FOR PERFUME.
Claims use since Dec. 13, 1946.

Ser. No. 516,334. VINCENT CHRISTINA & COMPANY, INC., New York, N. Y. Filed Jan. 24, 1947.

SOMALGESIN

FOR LOCAL ANESTHETIC AND ANALGESIC FOR PARENTERAL USE BY PHYSICIANS.
Claims use since Dec. 20, 1946.

Ser. No. 516,340. WINTHROP PRODUCTS INC., New York, N. Y. Filed Jan. 24, 1947.

DINACRIN

FOR ANTISEPTIC PREPARATION.
Claims use since Jan. 4, 1946.

Ser. No. 516,631. PARFUMERIE LUBIN, SOCIÉTÉ ANONYME, Paris, France. Filed Jan. 30, 1947.

FERVEUR

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Apr. 12, 1928.

Ser. No. 516,813. HAL COLLINS COMPANY, Dallas, Tex. Filed Feb. 3, 1947.

BB FOR TTT

FOR PREPARATION FOR TREATMENT OF DANDRUFF AND ITCHY SCALP.
Claims use since October 1945.

Ser. No. 517,406. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Feb. 13, 1947.

FOX HEAD

Applicant is the owner of Reg. No. 81,902.
FOR LAUNDRY STARCH.
Claims use since Dec. 1, 1922.

Ser. No. 517,516. PARFUMS CHINON, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Montrouge, France. Filed Feb. 14, 1947.

HAPPY LANDING

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, FACE CREAMS, LOTIONS FOR THE FACE, HANDS AND HAIR, BATH OILS.
Claims use since Feb. 28, 1946.

Ser. No. 518,281. DEXTER CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 28, 1947.

CLAVANOL

FOR WETTING AGENTS, WATER SOLUBLE OILS AND SOFTENERS FOR ORGANIC FIBROUS MATERIAL, TEXTILE ASSISTANTS, DYE LEVELING AGENTS, AND EMULSIFYING AGENTS.
Claims use since May 1946.

Ser. No. 518,282. DEXTER CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 28, 1947.

CLAVODENE

FOR WETTING AGENTS, WATER SOLUBLE OILS AND SOFTENERS FOR ORGANIC FIBROUS MATERIAL, TEXTILE ASSISTANTS, DYE LEVELING AGENTS, AND EMULSIFYING AGENTS.
Claims use since May 1946.

Ser. No. 519,754. JODOIN'S IVY PRODUCTS, Vacaville, Calif. Filed Mar. 28, 1947.



The picture is that of Ivy Jodoin, a copartner, consent given.
FOR HAIR TONIC.
Claims use since 1904.

Ser. No. 520,163. HOFFMAN-LA ROCHE INC., Nutley, N. J. Filed Apr. 4, 1947.

TERSAVIN

FOR MEDICAL PREPARATION WITH VASOCONSTRICTOR AND DECONGESTANT ACTION FOR USE IN THE TREATMENT OF SINUSITIS AND RELATED CONDITIONS.
Claims use since Mar. 6, 1947.

Ser. No. 520,267. COOK CHEMICAL COMPANY, Kansas City, Mo. Filed Apr. 7, 1947.

"EXTANE"

FOR INSECTICIDE.
Claims use since Mar. 3, 1947.

Ser. No. 520,396. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Apr. 9, 1947.

MERRY MAID

FOR MOTH CRYSTALS.
Claims use since Dec. 23, 1946.

Ser. No. 521,640. DERMETICS, INC., New York, N. Y. Filed May 1, 1947.

FLAMING SKY

FOR LIPSTICKS.
Claims use since Nov. 22, 1946.

Ser. No. 521,642. DERMETICS, INC., New York, N. Y. Filed May 1, 1947.

PERCLOGNE

FOR PERFUME, TOILET WATER, AND COLOGNE.
Claims use since Jan. 29, 1947.

Ser. No. 521,761. SOCIETE ANONYME RENAUD PARIS 1817, Montreuil-Sous-Bois, France. Filed May 2, 1947.

GLISSADE

FOR PERFUMES, COLOGNE, LIPSTICK, FACE POWDER, ROUGE, TALCUM POWDER, TOILET WATER AND PERFUME SACHET IN POWDER FORM.
Claims use since Mar. 18, 1943.

Ser. No. 521,762. SOCIETE ANONYME RENAUD PARIS 1817, Montreuil-Sous-Bois, France. Filed May 2, 1947.

BATEAU IVRE

FOR PERFUMES, COLOGNE, LIPSTICK, FACE POWDER, ROUGE, TALCUM POWDER, TOILET WATER AND PERFUME SACHET IN POWDER FORM.
Claims use since Dec. 4, 1940.

Ser. No. 521,862. LEO A. DENTONE, Stockton, Calif. Filed May 5, 1947.

PROLUDEX

FOR DIETARY SUPPLEMENT CONSISTING OF PROTEIN HYDROLYSATE.
Claims use since Mar. 8, 1947.

Ser. No. 521,958. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed May 6, 1947.

MICROLOID

FOR WETTABLE SULPHUR.
Claims use since Dec. 20, 1946.

Ser. No. 522,201. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed May 10, 1947.

Lournay

FOR FACE POWDER.
Claims use since Apr. 23, 1947.

Ser. No. 522,402. REFINED PRODUCTS CORPORATION, Lyndhurst, N. J. Filed May 15, 1947.

VELVAMINE

FOR COMPOUND COMPRISING A SOFTENING AND FINISHING AGENT FOR ALL TYPES OF FABRIC.
Claims use since April 1941.

Ser. No. 522,756. WOOLFOLK CHEMICAL WORKS, LTD., Fort Valley, Ga. Filed May 21, 1947.

DIMOLE

FOR FUNGICIDAL SPRAY FOR USE IN TOBACCO PLANT BEDS.
Claims use since December 1946.

Ser. No. 522,760. JOHN POWELL & CO., INC., New York, N. Y. Filed May 21, 1947.

HETP

FOR INSECTICIDES FOR THE CONTROL OF INSECTS, SPECIFICALLY MITES AND APHIS.
Claims use since Mar. 31, 1947.

Ser. No. 522,761. JOHN POWELL & CO., INC., New York, N. Y. Filed May 21, 1947.

MERCAN

FOR FUNGICIDE USED AS AN APPLICATION TO SEEDS FOR THE CONTROL OF SEED BORN FUNGI.
Claims use since Jan. 2, 1947.

Ser. No. 522,777. GEIGY COMPANY, INC., New York, N. Y. Filed May 21, 1947.

EURAX

FOR ANTIPSORIC OINTMENT.
Claims use since Apr. 29, 1947.

Ser. No. 522,796. FRANCES BLEACH MIKE, Newark, N. J. Filed May 22, 1947.



Val-Col

The Portrait shown is fanciful.
FOR SCALP AND HAIR DRESSING POMADES.
Claims use since Nov. 7, 1946.

Ser. No. 523,152. WRIGHT & LAWRENCE LABORATORIES, INC., Chicago, Ill. Filed May 27, 1947.

HYANILID

FOR OINTMENT FOR THE TREATMENT OF RINGWORM.
Claims use since Oct. 3, 1946.

Ser. No. 523,368. CENTRAL PAINT & VARNISH WORKS, INC., New York, N. Y. Filed June 2, 1947.

C-500

FOR INSECTICIDES IN LIQUID AND POWDER FORM FOR HUMANS, ANIMALS, AND PLANTS.
Claims use since Jan. 15, 1947.

Ser. No. 523,376. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 2, 1947.

ERIFON

FOR CHEMICAL COMPOUND FOR TREATING CELLULOSIC MATERIALS TO RENDER THEM FLAME RESISTANT.
Claims use since Apr. 25, 1947.

Ser. No. 523,708. S-A-M LABORATORIES, INC., Norfolk, Va. Filed June 6, 1947.

S-A-M

FOR COLD TABLETS.
Claims use since 1926.

Ser. No. 523,976. R. J. MORAN CO., Boston, Mass. Filed June 11, 1947.

BIMIDIN

FOR MEDICINE IN CAPSULE FORM FOR COLDS AND GRIPPE.
Claims use since May 15, 1945.

Ser. No. 524,564. J. W. QUINN DRUG COMPANY, Greenwood, Miss. Filed June 20, 1947.

IN-SEC-TOL

FOR INSECTICIDES.
Claims use since April 1919.

Ser. No. 524,817. ANATOLE ROBBINS, INC., Los Angeles, Calif. Filed June 25, 1947.

forty thieves

FOR PERFUME.
Claims use since Dec. 16, 1940.

Ser. No. 525,102. PER-DE-CO LIMITED, Farnham, England. Filed June 28, 1947.

PER-DE-CO

FOR FIXATIVE PREPARATIONS FOR SECURING ARTIFICIAL DENTURES IN THE MOUTH.
Claims use since 1942.

Ser. No. 525,128. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed June 28, 1947.

STANOLIND

FOR INSECTICIDES.
Claims use since Nov. 19, 1936.

Ser. No. 525,308. EEZ-OL PRODUCTS CO., Worcester, Mass. Filed July 1, 1947.

NIATAB

FOR MEDICINAL PREPARATION WHICH IS USED IN THE RELIEF OF PAIN AND IN THE TREATMENT OF HEADACHE, NEURALGIA, AND COLDS.
Claims use since June 13, 1947.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 515,773. MCFEELY BRICK COMPANY, Latrobe, Pa. Filed Jan. 15, 1947.

GRAFTEX

FOR FIREBRICKS.
Claims use since Nov. 26, 1945.

Ser. No. 517,544. THE ALUMILINE CORP., Brooklyn, N. Y. Filed Feb. 15, 1947.



FOR STORE FRONT AND WINDOW MOULDINGS OF ALUMINUM, ALUMINUM ALLOYS, AND MIXTURES THEREOF.
Claims use since Jan. 7, 1947.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 488,213. FOG NOZZLE COMPANY, Los Angeles, Calif. Filed Sept. 10, 1945.

AU-TOMIC

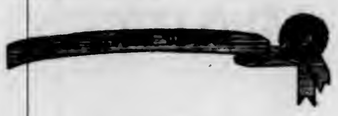
FOR SPRAY NOZZLES AND DISTRIBUTOR HEADS, USED AS A PART OF FIREFIGHTING APPARATUS.
Claims use since Aug. 14, 1945.

Ser. No. 493,045. COMET SLIDE FASTENER, INC., New York, N. Y. Filed Dec. 11, 1945.

COMET

FOR SLIDE FASTENERS.
Claims use since September 1945.

Ser. No. 493,632. THE STANLEY WORKS, New Britain, Conn. Filed Dec. 20, 1945.



No claim is made to the exclusive use of the word "Designs" apart from the mark. The drawing is lined to indicate the color blue.
FOR CABINET HARDWARE—NAMELY; PULLS, LATCH PULLS, HANDLES, CATCHES, KNOBS, AND HINGES.
Claims use since Nov. 26, 1945, on latch pulls; and since Dec. 5, 1945, on the other goods.

Ser. No. 494,832. FRABILL MANUFACTURING COMPANY, Milwaukee, Wis. Filed Jan. 16, 1946.

"Simmer-Master"

The word "Simmer" is disclaimed apart from the mark.
FOR INSULATING COOKING PLATES, TO BE INTERPOSED BETWEEN A BURNER FLAME AND A COOKING UTENSIL.
Claims use since Apr. 13, 1945.

Ser. No. 502,678. ACCURATE TOOL & GAGE CO., Minneapolis, Minn. Filed May 24, 1946.

Duro-Flex

FOR METAL GARDEN FENCE.
Claims use since Apr. 22, 1946.

Ser. No. 515,607. THE E. W. CARPENTER MANUFACTURING COMPANY, Bridgeport, Conn. Filed Jan. 11, 1947.

PERMAFAST

FOR NAILS.
Claims use since Dec. 23, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 518,093. NASSAU SMELTING & REFINING COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 25, 1947.

ARGUS

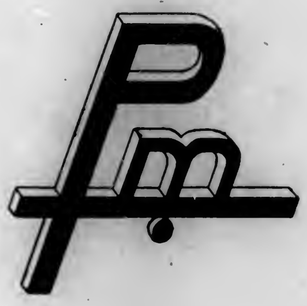
FOR BABBITT METALS.
Claims use since Nov. 1, 1931.

Ser. No. 518,581. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Mar. 6, 1947.

RAILFACE

FOR BARE AND COATED WELDING RODS.
Claims use since July 1946.

Ser. No. 519,029. PRYOR MANUFACTURING CO., Mansfield, Ohio. Filed Mar. 14, 1947.



FOR METAL DIE CASTINGS.
Claims use since November 1945.

Ser. No. 519,530. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa. Filed Mar. 25, 1947.

DESEGATIZED

FOR TOOL STEEL.
Claims use since Mar. 3, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 491,930. THE OHIO OIL COMPANY, Findlay, Ohio. Filed Nov. 20, 1945.

MARATHON

SEASONIZED

FOR GASOLINE.
Claims use since Oct. 16, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 511,100. MICHIGAN CHROME & CHEMICAL COMPANY, Detroit, Mich. Filed Oct. 18, 1946.

MICROMASK

FOR STOP-OFF LACQUER FOR SELECTIVE MASKING OF MACHINED PARTS FOR HARD CHROMIUM PLATING.
Claims use since Sept. 24, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 513,074. W. J. STECKBECK & SONS CIGAR COMPANY, Fort Wayne, Ind. Filed Nov. 22, 1946.

RED BIRD



FOR CIGARS.
Claims use since February 1930.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 497,741. RADIRON CORPORATION, Miamisburg, Ohio. Filed Mar. 6, 1946.

ROSE BUD

FOR ELECTRIC IRONS.
Claims use since Feb. 19, 1946.

Ser. No. 514,016. CRISE MANUFACTURING COMPANY, Columbus, Ohio. Filed Dec. 11, 1946.

RESTemp

FOR ELECTRICALLY HEATED BED-WARMING PADS ADAPTED TO BE PLACED OVER THE MATTRESS OF A BED AND CONTAINING INTERNAL HEAT-GENERATING RESISTANCE ELEMENTS FOR THE PASSAGE OF ELECTRIC CURRENT, SAID PADS BEING INTENDED PRIMARILY FOR NON-THERAPEUTIC USE.
Claims use since Sept. 3, 1946.

Ser. No. 514,218. THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Dec. 13, 1946.



Applicant is the owner of Reg. No. 65,218, Reg. No. 68,192, and Reg. No. 215,546.
FOR ELECTRIC CAR COUPLERS FOR TROLLEY CATCHERS AND RETRIEVERS, TROLLEY BASES AND FOR TROLLEY HARPS, WHEELS, SHOES, AND INSERTS FOR THE SHOES.
Claims use on electric car couplers since July 1912; on trolley catchers and retrievers since February 1914; on trolley bases since July 1912; and on trolley harps, wheels, shoes and inserts for the shoes since July 1911.

Ser. No. 517,266. SPRAGUE PRODUCTS COMPANY, North Adams, Mass. Filed Feb. 10, 1947.

ATOMS

FOR ELECTROLYTIC CAPACITORS.
Claims use since Oct. 17, 1939.

Ser. No. 517,294. THE ERLA CORPORATION, Los Angeles, Calif. Filed Feb. 11, 1947.



FOR ELECTRIC FLATIRONS.
Claims use since September 1945.

Ser. No. 517,537. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Feb. 14, 1947.

TELEPAGE

FOR INTERCOMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS AND PARTS THEREOF, COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTERCONNECTING CIRCUITS, AND ENERGIZING DEVICES, WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION.
Claims use since Nov. 4, 1946.

Ser. No. 517,711. THE ELECTRAVATOR CORPORATION, Dayton, Ohio. Filed Feb. 18, 1947.

ELECTRAVATOR

FOR HOISTS WHEREIN THE LOAD SUPPORTING ELEMENT HAS THE ELECTRIC MOTOR MOUNTED THEREON AND THAT COMPRISES AN INDEPENDENT SELF-CONTAINED UNIT.
Claims use since Jan. 20, 1946.

Ser. No. 517,750. SYLVANIA ELECTRIC PRODUCTS INC., Salem, Mass. Filed Feb. 18, 1947.



FOR FLUORESCENT LAMPS AND FIXTURES.
Claims use since January 1943 on fluorescent lamps; and since June 1939 on fluorescent fixtures.

Ser. No. 517,751. SYLVANIA ELECTRIC PRODUCTS INC., Salem, Mass. Filed Feb. 18, 1947.



Applicant is the owner of Reg. Nos. 370,385, 370,386, 400,538, 402,697, 402,698, 402,699, 402,700, 405,336, 405,337, 405,338, and 405,339.
FOR FLUORESCENT LAMPS AND FIXTURES.
Claims use on fluorescent lamps since January 1943; and on fluorescent fixtures since June 1939.

Ser. No. 517,752. SYLVANIA ELECTRIC PRODUCTS INC., Salem, Mass. Filed Feb. 18, 1947.

SYLVANIA

Applicant is the owner of Reg. Nos. 212,808, 226,412, 254,018, and 406,002.
FOR FLUORESCENT LAMPS AND FIXTURES.
Claims use on fluorescent lamps since January 1943; and on fluorescent fixtures since June 1939.

Ser. No. 517,807. WEBSTER-CHICAGO CORPORATION, Chicago, Ill. Filed Feb. 19, 1947.



FOR ELECTRICALLY OPERATED PHONOGRAPHS.
Claims use since Dec. 3, 1946.

Ser. No. 518,073. ELECTRONIC CHEMICAL ENGINEERING COMPANY, INC., Los Angeles, Calif. Filed Feb. 25, 1947.

ELECTRONOFIRE

FOR ELECTRIC HIGH FREQUENCY COOKERS.
Claims use since May 30, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 489,398. HI-SPEED TIRE AND ACCESSORY COMPANY, Toledo, Ohio. Filed Oct. 4, 1945.

TRUKCAR

FOR INTERNAL COMBUSTION MOTORS, PARTS THEREOF, AND ACCESSORIES THEREFOR—NAMELY, MECHANICAL STARTERS, CARBURETORS, WATER PUMPS, FUEL PUMPS, CLUTCH DISCS, PRESSURE ASSEMBLIES FOR CLUTCHES.
Claims use since as early as Sept. 29, 1945.

Ser. No. 499,616. EUREKA WILLIAMS CORPORATION, Detroit, Mich. Filed Apr. 4, 1946.

EUREKA

FOR GARBAGE GRINDERS AND PARTS THEREOF.
Claims use since Feb. 11, 1946.

Ser. No. 512,027. STAR METAL MANUFACTURING CO., Philadelphia, Pa. Filed Nov. 4, 1946.

★ Staromatic Dairy

Applicant disclaims the word "Dairy."
FOR HOMOGENIZING MACHINE.
Claims use since Dec. 29, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 500,644. JULIUS BLOCH, doing business as Brooks, San Francisco, Calif. Filed Apr. 22, 1946.

HCE

FOR LENS SHADES, PHOTOGRAPHIC CAMERAS AND PARTS THEREOF.
Claims use since June 1930.

Ser. No. 500,742. CROWN CONTROLS COMPANY, New Bremen, Ohio, assignor to Crown Controls Company, Inc., New Bremen, Ohio, a corporation of Ohio. Filed Apr. 23, 1946.

CROWN

FOR ELECTRICAL TEMPERATURE CONTROL MECHANISM, CONSISTING OF THERMOSTATS, AND COMBUSTION CONTROL MECHANISM, TOGETHER WITH TRANSFORMERS AND SECONDARY CONTROL INSTRUMENTS FOR USE THEREWITH.
Claims use since Jan. 9, 1946.

Ser. No. 505,677. ATLANTIC LABORATORIES, INC., Palisades Park, N. J. Filed July 16, 1946.

Conceptulator

FOR PRINTED CHARTS IN THE NATURE OF A CALENDAR HAVING AN ADJUSTABLE INDICATOR FOR SELECTION OF DATA USEFUL IN DETERMINING THE PERIODS OF FERTILITY AND GESTATION OF WOMEN.
Claims use since Apr. 13, 1946.

Ser. No. 505,953. ELGEET MANUFACTURING CO., INC., Rochester, N. Y. Filed July 20, 1946.

COLORSTIGMAT

FOR PHOTOGRAPHIC LENSES.
Claims use since May 1, 1945.

Ser. No. 508,928. VINCENT SALIERNO, Newark, N. J. Filed Sept. 12, 1946.

HONEY

FOR OPTICAL FRAMES.
Claims use since April 1946.

Ser. No. 511,727. CENTURY PROJECTOR CORPORATION, New York, N. Y., and elsewhere. Filed Oct. 30, 1946.

Centrex

FOR MOVING PICTURE PROJECTORS AND PARTS THEREOF.
Claims use since Sept. 16, 1946.

Ser. No. 514,231. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Filed Dec. 13, 1946.

BEACON

FOR CAMERAS, CAMERA LENSES, OPTICAL VIEW FINDERS, AND RANGE FINDERS.
Claims use since Sept. 19, 1946.

Ser. No. 515,842. JOHN E. MULLEN, doing business as Jenny Optical Company, Boston, Mass. Filed Jan. 16, 1947.

PHYSIOLOGIKALS

FOR CONTACT LENSES.
Claims use since Dec. 14, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 508,804. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Sept. 10, 1946.

ASTROGRAPH

FOR WATCHES.
Claims use since Aug. 15, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 503,039. THE ALVIN CORPORATION, Providence, R. I. Filed May 31, 1946.

FASHION LANE

No claim is made to the word "Fashion" apart from the mark as shown.
FOR STERLING SILVER AND SILVERPLATED FLATWARE, HOLLOWWARE AND CUTLERY.
Claims use since Aug. 1, 1940.

Ser. No. 515,850. VARGAS MANUFACTURING COMPANY, Providence, R. I. Filed Jan. 16, 1947.



FOR ORNAMENTAL JEWELRY, PARTICULARLY FOR CHILDREN—NAMELY, PENDANTS, NECKLACES, ORNAMENTAL PINS, BRACELETS, LOCKETS AND FINGER-RINGS, MADE WHOLLY OR PARTLY OF PRECIOUS METALS.
Claims use since Jan. 15, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 519,260. CONCORD BURNER COMPANY, INC., Lawrance, Long Island, N. Y. Filed Mar. 19, 1947.

CORD

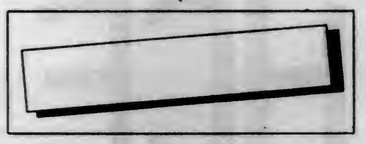
FOR DOMESTIC AND INDUSTRIAL TYPE OIL BURNERS.
Claims use since 1935.

Ser. No. 520,247. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Apr. 7, 1947.

A-S-R

FOR PYROPHORIC LIGHTERS.
Claims use since Mar. 11, 1947.

Ser. No. 520,669. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Apr. 15, 1947.



FOR BOXES, MUFFLES, POTS, RETORTS, SUPPORTS AND TRAYS USED IN CARBURIZING AND HEAT TREATING OF METALS, GLASS, AND CERAMICS.
Claims use since on or about Feb. 18, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 491,698. ASSOCIATED TIRE SPECIALIST OF CHICAGO, Chicago, Ill. Filed Nov. 16, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



No claim is made to the exclusive right to the representation of a pneumatic tire on a wheel rim. The lining shown on the drawing is used for shading purposes only.
FOR PNEUMATIC TIRES.
Claims use since Nov. 9, 1945.

Ser. No. 506,474. ROBERT B. PORTER, doing business as Porter Gasket & Distributing Co., Los Angeles, Calif. Filed July 29, 1946.

GASGATAPE

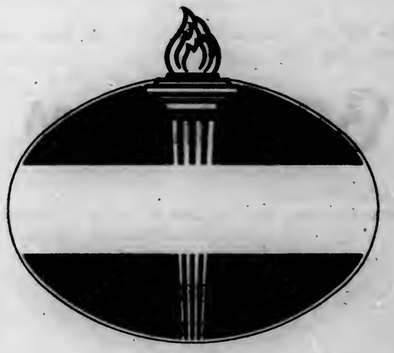
The word "Tape" is disclaimed apart from the mark as shown.
FOR FLEXIBLE GASKETS AND PACKING ELEMENTS IN THE FORM OF IMPERFORATE SHEETS OR STRIPS FROM WHICH GASKETS AND PACKING MAY BE CUT, THE SAID MATERIAL BEING IMPERVIOUS TO GASOLINE, OILS, AND WATER.
Claims use since Apr. 24, 1946.

Ser. No. 514,394. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 17, 1946.

AMOCO

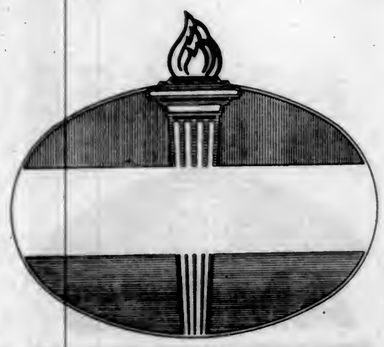
FOR AUTOMOBILE TIRES, AUTOMOBILE TUBES, FAN BELTS FOR AUTOMOBILES, REPAIR PATCHES FOR TIRES AND TUBES, AND REPAIR KITS FOR TIRES AND TUBES.
Claims use since Oct. 9, 1946.

Ser. No. 514,403. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 17, 1946.



FOR AUTOMOBILE TIRES, AUTOMOBILE TUBES, FAN BELTS FOR AUTOMOBILES, REPAIR PATCHES FOR TIRES AND TUBES, AND REPAIR KITS FOR TIRES AND TUBES.
Claims use since Oct. 9, 1946.

Ser. No. 515,017. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Dec. 30, 1946.



FOR AUTOMOBILE TIRES, AUTOMOBILE TUBES, FAN BELTS FOR AUTOMOBILES, REPAIR PATCHES FOR TIRES AND TUBES, AND REPAIR KITS FOR TIRES AND TUBES.
Claims use since Oct. 9, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 482,796. EVERSHARP, INC., Chicago, Ill. Filed Apr. 30, 1945.

Presentation

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Feb. 2, 1942.

Ser No. 513,678. HAROLD W. NEWMAN, JR., New Preston, Conn. Filed Dec. 4, 1946.

BOOKWORM

FOR BOOK-MARKS.
Claims use since Nov. 30, 1946.

CLASS 39

CLOTHING

Ser. No. 488,092. HENLEIN BROTHERS CO., LTD., Cincinnati, Ohio. Filed Sept. 7, 1945.

DENBAR

FOR OUTER SHIRTS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Sept. 1, 1945.

Ser. No. 496,108. A. L. SIEGEL CO., INC., New York, N. Y. Filed Feb. 6, 1946.

Vita-Guard

Applicant disclaims the word "Guard" apart from the mark.
FOR GARMENTS MADE OF PLASTIC FILM—NAMELY, RAIN COATS, RAIN CAPES, HOODS, SHOWER CAPS, KERCHIEFS, AND LADIES' MAKE-UP CAPES.
Claims use since Jan. 4, 1946.

Ser. No. 505,245. SEL-MOR GARMENT COMPANY, INC., St. Louis, Mo. Filed July 8, 1946.

Miss Elaine PRECISIONALS

Applicant is the owner of Reg. No. 368,291 dated June 13, 1939. The word "Precisional" is disclaimed apart from the mark shown.
FOR LINGERIE, SPECIFICALLY WOMEN'S AND GIRL'S PAJAMAS, NIGHT GOWNS, SLIPS, PANTIES, AND HOUSECOATS.
Claims use since July 2, 1945.

Ser. No. 506,428. DEBONAIR FASHIONS, New York, N. Y. Filed July 29, 1946.

Sphinx

FOR HAIR SNOODS.
Claims use since June 24, 1946.

Ser. No. 508,313. RUBIN-MELTZER COMPANY, New York, N. Y. Filed Aug. 30, 1946.

VALITY

FOR MEN'S, BOYS', AND CHILDREN'S KNITTED ATHLETIC BRIEFS, UNION SUITS, PAJAMAS, ATHLETIC SHIRTS, T SHIRTS AND BASQUE SHIRTS; MEN'S AND BOYS' WOVEN UNDER SHORTS; LADIES' MISSES', AND CHILDREN'S KNITTED PAJAMAS, VESTS, PANTS, UNION SUITS, T SHIRTS, AND BASQUE SHIRTS; AND CHILDREN'S WOVEN WAIST SUITS.
Claims use since October 1934.

Ser. No. 509,294. NANNETTE MANUFACTURING COMPANY, INC., Philadelphia, Pa. Filed Sept. 18, 1946.

Nannette ORIGINALS

No claim is made to the term "Originals," apart from the mark as shown. Applicant is the owner of Reg. Nos. 205,770, 326,721, 332,581, and 376,331.
FOR CHILDREN'S AND INFANTS' DRESSES.
Claims use since Sept. 9, 1946.

Ser. No. 509,879. SAKS & COMPANY, New York, N. Y. Filed Sept. 27, 1946.

SOPHIE Saks Fifth Avenue

Applicant disclaims the word "Saks." Applicant is the owner of Reg. No. 392,232 and Reg. No. 402,736.
FOR WOMEN'S AND MISSES' CUSTOM-MADE DRESSES, BLOUSES, CLOTH AND FUR COATS, JACKETS, AND CAPES; FUR STOLES AND MUFFS; HATS; SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; HOSIERY, APPAREL, BELTS, SCARVES, AND GLOVES, MADE OF LEATHER AND FABRIC, COATS, JACKETS, CAPES, SUITS.
Claims use since Mar. 1, 1944.

Ser. No. 510,046. ALLIED STORES CORPORATION, Wilmington, Del.; doing business as The Bon Marche, Seattle, Wash.; Dey Brothers & Company, Syracuse, N. Y.; and Quackenbush Company, Paterson, N. J. Filed Oct. 2, 1946.

TRUEDALE

FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SWEATERS, CAPS, HATS OF STRAW AND FELT, SOCKS, STOCKINGS, LEGGINGS, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SWIMMING SUITS, SUN SUITS, BEACH ROBES, DRESSING GOWNS, PAJAMAS, OUTER SHIRTS, UNDER SHIRTS, SHORTS, NECKTIES, SCARFS, GLOVES AND MITTENS OF LEATHER, WOOL AND COTTON AND COMBINATIONS THEREOF.
Claims use since July 1941.

Ser. No. 510,098. MCMULLEN-LEAVENS COMPANY, INC., New York, N. Y. Filed Oct. 2, 1946.

SANDUSTER

FOR WOMEN'S AND MISSES' SPORTS DRESSES, BLOUSES, AND ONE AND TWO-PIECE PLAY SUITS.
Claims use since Sept. 20, 1946.

Ser. No. 510,440. G. V. MAZZA GLOVE CO. INC., New York, N. Y. Filed Oct. 8, 1946.

Mazzart

FOR GLOVES.
Claims use since July 1946.

Ser. No. 510,586. GOLO FOOTWEAR CORPORATION, New York, N. Y. Filed Oct. 10, 1946.

Golo

FOR WOMEN'S SHOES AND SLIPPERS, MADE OF LEATHER AND FABRIC OR COMBINATIONS THEREOF.
Claims use since July 1, 1946.

Ser. No. 513,413. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Nov. 29, 1946.

GAY PRINCESS

FOR HATS FOR WOMEN.
Claims use since September 1940.

Ser. No. 513,580. PFEIFFER HOSIERY, New York, N. Y. Filed Dec. 2, 1946.

FABULOUS

FOR HOSIERY.
Claims use since Nov. 15, 1946.

Ser. No. 514,116. HARRIS-MARSHALL HOSIERY MILLS, INC., Galax, Va. Filed Dec. 12, 1946.

HMH

FOR HOSIERY FOR MEN AND BOYS.
Claims use since Nov. 12, 1946.

Ser. No. 514,205. JORDAN MANUFACTURING CORP., New York, N. Y. Filed Dec. 13, 1946.

Sea Nymph

FOR BATHING SUITS.
Claims use since July 23, 1946.

Ser. No. 514,761. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Dec. 24, 1946.

GAY PRINCE

FOR HATS FOR MEN.
Claims use since Sept. 1, 1940.

Ser. No. 516,380. SHU-STILES, INCORPORATED, St. Louis, Mo. Filed Jan. 25, 1947.

Travalons

FOR WOMEN'S SHOES FORMED OF LEATHER, RUBBER, FABRIC, PLASTICS, OR COMBINATIONS THEREOF.
Claims use since Jan. 15, 1947.

Ser. No. 519,940. THE FAULTLESS RUBBER COMPANY, doing business as Ashland Rubber Works, Ashland, Ohio. Filed Apr. 1, 1947.

Reliance

FOR HOUSEHOLD GLOVES MADE WHOLLY OR PARTLY OF RUBBER.
Claims use since July 1919.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 495,225. DUPLEX FABRICS CORPORATION, New York, N. Y. Filed Jan. 23, 1946.

whippet

FOR RAYON PIECE GOODS FOR MAKING INTO WOMEN'S APPAREL, SUCH AS, DRESSES, BLOUSES, AND THE LIKE.
Claims use since Mar. 27, 1942.

Ser. No. 504,295. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated. Filed June 20, 1946.

ENDANEN

FOR PIECE GOODS COMPOSED OF COTTON, RAYON, OR NYLON, AND MIXTURES THEREOF.
Claims use since Apr. 26, 1946.

Ser. No. 506,628. ALL AMERICAN AVIATION, INC., Wilmington, Del. Filed Aug. 1, 1946.

UNOLYN

FOR WIDE WEBBING MADE OF TREATED UNDRAWN NYLON.
Claims use since June 5, 1946.

Ser. No. 507,118. EMPRITEX FABRICS, INC., New York, N. Y. Filed Aug. 9, 1946.

EMPRITEX

FOR TEXTILE FABRICS IN THE PIECE, MADE OF COTTON, RAYON, SILK, WOOL, PROTEIN, OR MIXTURES THEREOF.
Claims use since June 13, 1946.

Ser. No. 516,285. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Jan. 24, 1947.

House Beautiful

Applicant is the owner of Reg. No. 369,016. The word "Beautiful" is disclaimed apart from the mark.
FOR WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN AND MIXTURES THEREOF.
Claims use since Oct. 25, 1946.

Ser. No. 516,770. HAFT & COMPANY, LTD., New York, N. Y. Filed Feb. 1, 1947.

COUNTRY GENTLEMAN

FOR WOOLEN PIECE GOODS.
Claims use since Dec. 15, 1946.

Ser. No. 517,822. JOSEPH BERLINGER CO., New York, N. Y. Filed Feb. 20, 1947.

BUTTER FINGERS

FOR PIECE GOODS OF RAYON CREPE.
Claims use since Apr. 10, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 521,210. SANITARY TAMPON CORPORATION, Chambersburg, Pa. Filed Apr. 23, 1947.

WINS

FOR SANITARY TAMPONS.
Claims use since Sept. 4, 1943.

Ser. No. 521,211. SANITARY TAMPON CORPORATION, Chambersburg, Pa. Filed Apr. 23, 1947.

TAPS

FOR SANITARY TAMPONS.
Claims use since June 15, 1946.

Ser. No. 525,217. THE JUNG ARCH BRACE CO., Cincinnati, Ohio. Filed June 30, 1947.

FUTURO

FOR BRACES, SUPPORTERS, SUSPENSORY AND TRUSSES FOR THE HUMAN BODY—NAMELY, ABDOMINAL BELTS AND BRACES, ANKLE BRACES, BACK BRACES, ELBOW BRACES, KNEE BRACES, SHOULDER BRACES, AND WRIST BRACES.
Claims use since about Apr. 1, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,532. MAGNOLIA CITRUS ASSOCIATION, Porterville, Calif. Filed Mar. 19, 1946.

MEMORY

FOR FRESH CITRUS FRUITS.
Claims use since November 1926.

Ser. No. 498,596. CLINTON INDUSTRIES, INC., Chicago, Ill., assignor to Chase Candy Company, a corporation of Missouri. Filed Mar. 20, 1946. Under 10-year proviso.

GUDE THYNGES

FOR CANDY.
Claims use since Jan. 8, 1895.

Ser. No. 502,258. CHARLES C. BENNETT, doing business as Novelty Peanut Company, Dallas, Tex. Filed May 17, 1946.

"BELIEVE IT OR NOT"

FOR SALTED PEANUTS.
Claims use since July 1, 1929.

Ser. No. 503,245. CRESCA COMPANY, INCORPORATED, New York, N. Y. Filed June 4, 1946.



The drawing is lined to indicate red and blue. Applicant is the owner of registration No. 397,048. No claim is made to the word "American" apart from the mark shown.

FOR COOKIES AND CHOCOLATE BROWNIES.

Claims use since Apr. 22, 1946.

Ser. No. 506,329. MARGROVE INCORPORATED, Geneva, N. Y. Filed July 26, 1946.

MARGROVE *Cream Craft Products*



The representation of the chef shown is fanciful. No claim is made to the words "Cream Craft Products,, nor the representation of the goods apart from the mark.

FOR ICE CREAM.

Claims use since May 1, 1946.

Ser. No. 506,443. FROZEN COOKED SPECIALTIES, INC., New Orleans, La. Filed July 29, 1946.



The exclusive right to the use of the word "Brand," apart from the mark, is disclaimed.

FOR FROZEN SEA FOODS AND FROZEN SEA FOOD PRODUCTS—VIZ., BOILED SHRIMP, HORS D'OEUVRE SHRIMP, SHRIMP A LA CREOLE, SHRIMP AND OYSTER GUMBO, OYSTER COCKTAIL WITH SAUCE, OYSTER STEW WITH MILK, AND OYSTERS EN COUVERT.

Claims use since Feb. 5, 1946.

Ser. No. 507,014. THE NATCHITOCHES COFFEE & SYRUP COMPANY, INC., Natchitoches, La. Filed Aug. 7, 1946.



The representation of the Indian in the trade-mark is fanciful.

FOR COFFEE.

Claims use since 1930.

Ser. No. 508,089. AMERICAN BREDDO CORP., New York, N. Y. Filed Aug. 27, 1946.

AROMATOL

FOR VANILLA-LIKE FLAVORING IN THE FORM OF A LIQUID EMULSION FOR BAKED GOODS AND CANDIES.

Claims use since Apr. 25, 1946.

Ser. No. 508,157. JOE LOWE CORPORATION, New York, N. Y. Filed Aug. 28, 1946.

BANANASICLE

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since May 9, 1946, on concentrates; and since Aug. 13, 1946, on frozen confections.

Ser. No. 508,776. HENRY J. ANDREAS, Sanger, Calif. Filed Sept. 10, 1946.

SANDREA DELUXE

The word "Deluxe" is disclaimed apart from the mark.

FOR FRESH GRAPES.

Claims use since July 31, 1946.

Ser. No. 509,132. WILBUR N. BAUGHMAN, near Sandy Spring, Md. Filed Sept. 16, 1946.

Gayfields

FOR DAIRY PRODUCTS—I. E., CREAM, MILK, CHEESE AND COTTAGE CHEESE; FARM PRODUCE—I. E., FRESH VEGETABLES, WHEAT, BARLEY, RYE, OATS, HAY; EGGS AND DRESSED POULTRY.

Claims use since Jan. 1, 1940.

Ser. No. 509,651. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Sept. 24, 1946.

DAILY-HOG

Applicant is the owner of Reg. No. 293,144, Reg. No. 293,145, Reg. No. 297,529, and Reg. No. 413,682.

FOR HOG SUPPLEMENT FEED.

Claims use since 1934.

Ser. No. 509,652. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Sept. 24, 1946.

DAILY-PIG

No claim is made to the word "Pig" apart from the mark as shown.

FOR PIG MEAL.

Claims use since 1934.

Ser. No. 511,435. THE COLORADO MILLING & ELEVATOR CO., doing business as The Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Filed Sept. 27, 1946.

Southern Lily

The drawing is lined to indicate red and blue colors. Applicant disclaims the word "Southern," except in combination with "Lily."

FOR WHEAT FLOUR.

Claims use since Feb. 5, 1938.

Ser. No. 512,333. JOE LOWE CORPORATION, New York, N. Y. Filed Nov. 9, 1946.

FUDGSICLE

Applicant is the owner of Reg. Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,335 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152.

FOR FROZEN CONFECTIONS AND POWDERED CONCENTRATES FOR MAKING THE SAME.

Claims use since Oct. 2, 1946, on frozen confections; and since Oct. 4, 1946, on concentrates.

Ser. No. 514,891. DINGFELDER & SAPERSTONE INC., New York, N. Y. Filed Dec. 27, 1946.

BELL HOP

FOR FRESH CELERY.

Claims use since Dec. 1, 1935.

Ser. No. 515,090. DONNA FRUIT COMPANY, Edinburg, Tex. Filed Dec. 31, 1946.

IN-STEP

FOR FRESH CITRUS FRUITS.

Claims use since February 1940.

Ser. No. 515,345. S. VENTIMIGLIA, doing business as California Frozen Fish Company, Monterey, Calif. Filed Jan. 6, 1947.

Mesa Del Rey



FOR CANNED SQUID.
Claims use since Sept. 25, 1946.

Ser. No. 516,694. A. W. HUTCHINSON, Homestead, Fla. Filed Jan. 31, 1947.

SEA SHORE

FOR FRESH TOMATOES.
Claims use since Dec. 19, 1946.

Ser. No. 516,959. CONVERTED RICE, Houston, Tex., assignor to Converted Rice, Inc., Houston, Tex., a corporation of Delaware. Filed Feb. 5, 1947.



The picture is that of Frank C. Brown of Chicago, Illinois, consent given.
FOR RICE FOR FOOD.
Claims use since Jan. 24, 1947.

CLASS 47

WINES

Ser. No. 477,749. ROMA WINE COMPANY, New York, N. Y., and Fresno, Calif., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware. Filed Dec. 19, 1944. Under 10-year proviso as to "Roma."

Creme de Roma

Applicant is the owner of Reg. No. 318,900, effected under the 10-year proviso of the act of February 20, 1905.
FOR WINES.
Claims use since Jan. 14, 1942; and since 1890 as to "Roma."

Ser. No. 512,439. MIGLIORETTI BROTHERS, doing business as Embros Wine and Liquor Company, Baltimore, Md. Filed Nov. 12, 1946.

M I G

Applicant is owner of Reg. No. 393,953.
FOR WINES.
Claims use since Oct. 17, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 507,259. NOREENE E. KING, doing business as Jed Venetian Blind Supply Co., Chicago, Ill. Filed Aug. 12, 1946.

JED

FOR VENETIAN BLIND KITS, CONSISTING OF TAPE, CORD, HOLDERS, CORD LOCKS, TILT-BLOCKS, AND PULLEYS.
Claims use since Sept. 1, 1945.

Ser. No. 512,063. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y. Filed Nov. 5, 1946.

HIAWATHA

FOR KITS FOR MAKING BEADED BAGS CONTAINING THE FOLLOWING: BEADED BAG DESIGN, FABRIC MATERIAL FOR BODY OF BAG, BAG LINING WITH A ZIPPER CLOSURE, BEADS, THREAD, AND NEEDLES.
Claims use since Oct. 7, 1946.

Ser. No. 513,439. MEXUSA INTERNATIONAL CORPORATION, New York, N. Y. Filed Nov. 29, 1946.

TONI

FOR DECORATIVE CORK BOTTLE STOPPER.
Claims use since Mar. 1, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF FEBRUARY 20, 1905

AUGUST 26, 1947

432,206. OLIVE OIL. CARBONELL Y COMPANIA DE CORDOBA S. A., Cordoba, Spain.
Filed February 8, 1943. Serial No. 458,388. PUBLISHED JUNE 3, 1947. Class 46.

432,207. EGGS. SAFEWAY STORES, INCORPORATED, Baltimore, Md., Reno, Nev., Oakland, Calif., and elsewhere.
Filed October 4, 1943. Serial No. 463,893. PUBLISHED MAY 27, 1947. Class 46.

432,208. DRESSED DOLLS. NANCY ANN DRESSED DOLLS, San Francisco, Calif., assignor to Nancy Ann Storybook Dolls Inc., San Francisco, Calif., a corporation of California.
Filed March 27, 1944. Serial No. 468,716. PUBLISHED JUNE 6, 1944. Class 22.

432,209. RADIO-RECEIVING APPARATUS, RADIO-TELEVISION RECEIVING APPARATUS, COMBINATION RADIO-RECEIVING ELECTRIC PHONOGRAPH APPARATUS, ELECTRIC PHONOGRAPH RECORDING AND REPRODUCING APPARATUS AND PARTS THEREOF. PHILHARMONIC RADIO CORPORATION, New York, N. Y., now by change of name Teledyne Corporation, assignor to Philharmonic Radio Corporation, a corporation of New Jersey.
Filed April 12, 1944. Serial No. 469,273. PUBLISHED OCTOBER 17, 1944. Class 21.

432,210. PREPARATION FOR THE PREVENTION AND TREATMENT OF ACUTE AND CHRONIC LOCALIZED INFECTIONS SPECIFICALLY OF THE MIDDLE AND EXTERNAL EAR. WHITE LABORATORIES, INC., Newark, N. J.
Filed November 28, 1944. Serial No. 476,997. PUBLISHED MARCH 27, 1945. Class 6.

432,211. PANCAKE FLOUR AND BREAKFAST WHOLE WHEAT CEREAL. ARBEE FOOD PRODUCTS CO., Kansas City, Kans.
Filed January 1, 1945. Serial No. 478,103. PUBLISHED JUNE 3, 1947. Class 46.

432,212: CLEANING, SCOURING, AND POLISHING SUBSTANCES AND ARTICLES, VIZ., FOR A PREPARATION FOR CLEANING UPHOLSTERY AND RUGS, ETC. THE AMERICAN PRODUCTS COMPANY, doing business as Zanol Products Company, Cincinnati, Ohio, assignor to Royal Home Products, Incorporated, Richmond, Va., a corporation of Virginia.
Filed March 17, 1945. Serial No. 481,257. PUBLISHED DECEMBER 24, 1946. Class 4.

432,213. TAPE PRINTING DISPENSERS I. E., APPARATUS SIMULTANEOUSLY PRINTING AND DISPENSING TAPE. THE COPAX CORPORATION, New York, N. Y.
Filed June 7, 1945. Serial No. 484,246. PUBLISHED MAY 13, 1947. Class 23.

432,214. BOOSTER UNITS FOR HYDRAULIC OR PNEUMATIC BRAKE SYSTEMS FOR GENERAL USE ON MACHINERY AND ON VEHICLES. LATHAN COMPANY, INC., South San Francisco, Calif.
Filed August 8, 1945. Serial No. 486,904. PUBLISHED MAY 13, 1947. Class 23.

432,215. FRESH DECIDUOUS FRUITS—NAMELY, PEACHES, GRAPES, NECTARINES, AND PLUMS. CHRIS SORENSEN, Parlier, Calif.
Filed August 13, 1945. Serial No. 487,102. PUBLISHED MAY 27, 1947. Class 46.

432,216. MOTORSCOOTERS. FLOYD G. CARR, doing business as Rollaway Equipment Co., Lancaster, N. H.
Filed August 27, 1945. Serial No. 487,595. PUBLISHED JANUARY 15, 1946. Class 19.

432,217. FILTERS AND CARTRIDGES THEREFOR AND PARTS THEREOF FOR LUBRICANTS AND FUELS FOR INTERNAL COMBUSTION ENGINES, FUELS FOR OIL BURNERS, COOLANTS FOR MACHINE TOOLS, AND FOR LIQUIDS OF HYDRAULIC OPERATING SYSTEMS. FRAM CORPORATION, East Providence, R. I.
Filed September 1, 1945. Serial No. 487,901. PUBLISHED APRIL 23, 1946. Class 23.

432,218. FOOD PREPARATION COMPOSED OF A PROCESSED FRUIT JUICE WITH A SPECIAL INORGANIC ACID AS A PRESERVATIVE. JAMES MILES, doing business as Qlin Company, Okeechobee, Fla.
Filed September 14, 1945. Serial No. 488,469. PUBLISHED JUNE 3, 1947. Class 46.

432,219. METAL DRINKING CUPS. TREMBLAY MACHINE SHOP LTD., Montreal, Quebec, Canada.
Filed September 14, 1945. Serial No. 488,493. PUBLISHED JUNE 3, 1947. Class 13.

432,220. GUMMED PAPER LABELS HAVING THEIR UNGUMMED SIDES BLANK, AND ALSO FOR GUMMED PAPER LABELS HAVING THEIR UNGUMMED SIDES PARTIALLY PRINTED. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed October 3, 1945. Serial No. 489,340. PUBLISHED JUNE 3, 1947. Class 37.

432,221. STEEL FITTINGS—NAMELY, NIPPLES, BULL PLUGS, T'S, ELBOWS, CROSSES, VALVES SUCH AS CASING HEAD VALVES, TUBING HEAD VALVES, CHRISTMAS TREE VALVES, CONTROL VALVES LEADING TO AND FROM THE WELL HEAD OF OIL WELLS, AND VALVES FOR OIL REFINERIES. HOUSTON OIL FIELD MATERIAL COMPANY, INC., Houston, Tex.
Filed November 27, 1945. Serial No. 492,267. PUBLISHED JUNE 3, 1947. Class 13.

432,222. WATCHES, WATCH CASINGS, AND PARTS OF WATCHES. MIDO SOCIETE ANONYME, Bienne, Switzerland.
Filed December 14, 1945. Serial No. 493,274. PUBLISHED JUNE 3, 1947. Class 27.

432,223. CANNED FISH. H. A. IRVING, San Francisco, Calif.
Filed December 22, 1945. Serial No. 493,778. PUBLISHED APRIL 15, 1947. Class 46.

432,224. WHEAT FLOUR. ATKINSON MILLING COMPANY, Minneapolis, Minn.
Filed December 26, 1945. Serial No. 493,878. PUBLISHED JUNE 3, 1947. Class 46.

432,225. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS AND IDENTIFICATION BRACELETS; AND STERLING SILVER OR SILVER-PLATED HOLLOW WARE. OTTO BAER, doing business as United Jewelry Company, Buffalo, N. Y.
Filed December 28, 1945. Serial No. 493,945. PUBLISHED JUNE 3, 1947. Class 28.

432,226. PRESSURE RELIEF VALVES. S. GRAHAME ROSS LIMITED, Slough, England.
Filed January 24, 1946. Serial No. 495,333. PUBLISHED JUNE 3, 1947. Class 13.

432,227. PRESSURE RELIEF VALVES. S. GRAHAME ROSS LIMITED, Slough, England.
Filed January 24, 1946. Serial No. 495,334. PUBLISHED JUNE 3, 1947. Class 13.

432,228. SMALL STAPLING MACHINES FOR FASTENING PAPERS AND THE LIKE FOR HAND AND DESK USE, AND SMALL PAPER PUNCHES FOR HAND AND DESK USE. IRA GOLD, Chicago, Ill., assignor to Better Packages Inc., Shelton, Conn., a corporation of New York.
Filed October 29, 1945. Serial No. 490,653. PUBLISHED MAY 14, 1946. Class 23.

432,229. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed February 18, 1946. Serial No. 496,829. PUBLISHED MAY 6, 1947. Class 22.

432,230. HARD CANDY DROPS. F & F LABORATORIES, INC., Chicago, Ill.
Filed February 23, 1946. Serial No. 497,079. PUBLISHED MAY 27, 1947. Class 46.

432,231. PURE CONCENTRATED EGGS. REDHURD CORPORATION, Terre Haute, Ind.
Filed February 25, 1946. Serial No. 497,201. PUBLISHED JUNE 3, 1947. Class 46.

432,232. FOODSTUFFS CONSISTING OF CEREALS AND GRAINS—NAMELY, BARLEY, WHEAT, RYE, OATS, MAIZE, AND VEGETABLE AND RAW MATERIALS—NAMELY, PEANUTS, COCOANUTS, PALM-KERNELS, SOYA BEANS; COTTON SEED IN THE FORM OF CAKES AND GROUND (FINELY CUT OR COARSE GROUND) FOR ALL LIVESTOCK. AARHUS OLIEFABRIK A/S, Aarhus, Denmark.
Filed March 19, 1946. Serial No. 498,477. PUBLISHED MAY 27, 1947. Class 46.

432,233. SOAP. JOSEPH GENOVESE, doing business as Bamby Products, Long Island City, N. Y.
Filed March 23, 1946. Serial No. 498,832. PUBLISHED MAY 27, 1947. Class 4.

432,234. AUTOMOBILE WASH HAVING INCIDENTAL WAXING AND POLISHING PROPERTIES. ARNOLD C. BUSCH, doing business as Busch Mfg. Company, Ann Arbor, Mich.
Filed March 28, 1946. Serial No. 499,115. PUBLISHED MAY 27, 1947. Class 4.

432,235. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH MELONS. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif.
Filed April 3, 1946. Serial No. 499,578. PUBLISHED FEBRUARY 11, 1947. Class 46.

432,236. CIGARETTES. FLEMING-HALL TOBACCO CO., INC., New York, N. Y.
Filed April 12, 1946. Serial No. 500,068. PUBLISHED MAY 27, 1947. Class 17.

432,237. FLUID-OPERATED MECHANISMS—NAMELY, HYDRAULIC PUMPS, HYDRAULIC MOTORS, HYDRAULIC MECHANICAL POWER TRANSMISSIONS FOR MACHINE TOOLS AND VEHICLES, AND HYDRAULIC OPERATIVE CONTROLS THEREFOR. SUPERDRAULIC CORPORATION, Dearborn, Mich.
Filed April 20, 1946. Serial No. 500,636. PUBLISHED JUNE 3, 1947. Class 23.

432,238. SMOKING TOBACCO AND CIGARETTES. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England.
Filed April 26, 1946. Serial No. 501,016. PUBLISHED MAY 6, 1947. Class 17.

432,239. SMOKING TOBACCO AND CIGARETTES. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England.
Filed April 26, 1946. Serial No. 501,017. PUBLISHED MAY 6, 1947. Class 17.

432,240. FRESH DECIDUOUS FRUITS AND VEGETABLES, FRESH MELONS AND FROZEN DECIDUOUS FRUITS AND FROZEN VEGETABLES AND DRIED FRUITS. RITTER-PRICE COMPANY, Stockton, Calif.
Filed May 20, 1946. Serial No. 502,462. PUBLISHED MAY 27, 1947. Class 46.

432,241. BALL BEARINGS; ROLLER BEARINGS; PILLOW BLOCKS; THRUST BEARINGS; STAINLESS STEEL, BRONZE, AND STEEL BALLS. ANTI-FRICTION BEARINGS CO., Los Angeles, Calif.
Filed May 27, 1946. Serial No. 502,786. PUBLISHED MAY 13, 1947. Class 23.

432,242. ORGANIZATION PINS, BADGES, BUTTONS, BUCKLES, DEGREE PINS AND KEYS; JEWELRY FOR PERSONAL WEAR OTHER THAN WATCHES; MEDALS, DEGREE BADGES AND KEYS, PLAQUES, AND FINGER RINGS, ALL OF THE GOODS BEING IN WHOLE OR PART OF PRECIOUS METAL, OR PRECIOUS METAL PLATED WARE. THE FUTURE HOMEMAKERS OF AMERICA, INC., Washington, D. C.
Filed May 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 502,815. PUBLISHED MAY 27, 1947. Class 28.

432,243. ORGANIZATION PINS, BADGES, BUTTONS, BUCKLES, DEGREE PINS AND KEYS; JEWELRY FOR PERSONAL WEAR OTHER THAN WATCHES; MEDALS, DEGREE BADGES AND KEYS, PLAQUES, AND FINGER RINGS, ALL OF THE GOODS BEING IN WHOLE OR PART OF PRECIOUS METAL, OR PRECIOUS METAL PLATED WARE. THE NEW HOMEMAKERS OF AMERICA, INC., Washington, D. C.
Filed May 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 502,831. PUBLISHED MAY 27, 1947. Class 28.

432,244. BREAD WRAPPING AND PACKAGING MACHINE. GELLMAN MANUFACTURING COMPANY, Rock Island, Ill.
Filed May 31, 1946. Serial No. 503,073. PUBLISHED MAY 27, 1947. Class 23.

432,245. SOLVENT EMULSION CLEANERS FOR CLEANING METAL, CERAMIC, PLASTIC, PAINTED, AND LIKE SURFACES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 31, 1946. Serial No. 503,122. PUBLISHED MAY 27, 1947. Class 4.

432,246. SOLVENT EMULSION CLEANERS FOR CLEANING METAL, CERAMIC, PLASTIC, PAINTED AND LIKE SURFACES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 31, 1946. Serial No. 503,123. PUBLISHED MAY 27, 1947. Class 4.

432,247. SOLVENT EMULSION CLEANERS FOR CLEANING METAL, CERAMIC, PLASTIC, PAINTED, AND LIKE SURFACES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed May 31, 1946. Serial No. 503,124. PUBLISHED MAY 27, 1947. Class 4.

432,248. COMBINATION PLIERS, WRENCH, PIPE WRENCH, CLAMP AND HAND VISE. THE WHALE TOOL CORP., New York, N. Y.
Filed June 20, 1946. Serial No. 504,312. PUBLISHED MAY 27, 1947. Class 23.

432,249. FLEXIBLE LEADERS FOR ELECTRICAL FISHING TAPE. BURBANK DISTRIBUTORS, Burbank, Calif.
Filed July 2, 1946. Serial No. 504,960. PUBLISHED MAY 27, 1947. Class 23.

432,250. FROZEN FRESH FRUITS AND FROZEN FRESH VEGETABLES. SANTA CLARA FROSTED FOODS CO., Santa Clara, Calif.
Filed July 3, 1946. Serial No. 505,074. PUBLISHED MAY 27, 1947. Class 46.

432,251. CANDY. ROSEMARIE DE PARIS, INC., New York, N. Y.
Filed July 8, 1946. Serial No. 505,237. PUBLISHED JUNE 3, 1947. Class 46.

432,252. POCKET KNIVES. WILBUR FORCE HARWELL, Charlotte, N. C.
Filed July 18, 1946. Serial No. 505,828. PUBLISHED MAY 13, 1947. Class 23.

432,253. CANNED RIPE OLIVES. WM H. FLOYD, doing business as Wm. H. Floyd & Co., Los Angeles, Corning, and Del Rosa, Calif.
Filed July 22, 1946. Serial No. 506,022. PUBLISHED MAY 27,1947. Class 46.

432,254. CIGARETTES AND SMOKING TOBACCO. LARUS & BROTHER COMPANY, INC., also doing business as Reed Tobacco Company Branch, Larus & Brother Company, Inc., Richmond, Va., assignor to Riggio Tobacco Corporation, Brooklyn, N. Y., a corporation of New York.
Filed July 22, 1946. Serial No. 506,041. PUBLISHED MAY 13, 1947. Class 17.

432,255. WATER PUMPS AND WATER DISTRIBUTION SYSTEMS COMPRISING A PUMP, A PRESSURE TANK, AND AUTOMATIC CONTROLS, VALVES, AND PIPING THEREFOR. U. S. LITE-RAY COMPANY, Dayton, Ohio.
Filed July 22, 1946. Serial No. 506,072. PUBLISHED MAY 13, 1947. Class 23.

432,256. CIGARETTES AND SMOKING TOBACCO. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed July 25, 1946. Serial No. 506,257. PUBLISHED MAY 6, 1947. Class 17.

432,257. DUPLICATING MACHINES FOR THE STENCIL DUPLICATION OF TYPED, DRAWN AND WRITTEN MATTER AND THE LIKE, AND PARTS OF SUCH MACHINES. A. B. DICK COMPANY, Chicago, Ill.
Filed August 1, 1946. Serial No. 506,652. PUBLISHED JUNE 3, 1947. Class 23.

432,258. GENERAL PURPOSE CLEANING COMPOUND. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed August 1, 1946. Serial No. 506,705. PUBLISHED JUNE 3, 1947. Class 4.

432,259. CIGARS. WELWEL CIGAR MFG. CO., New York, N. Y.
Filed August 6, 1946. Serial No. 506,975. PUBLISHED MAY 6, 1947. Class 17.

432,260. ADJUSTABLE WRENCHES. ACE SPECIALTIES CO., Detroit, Mich.
Filed August 12, 1946. Serial No. 507,226. PUBLISHED JUNE 3, 1947. Class 23.

432,261. BLANK RULED STAMP COLLECTORS' SHEETS ADAPTED FOR INSERTION IN ALBUMS AND THE LIKE. ROBERT B. BUZZERD, Charleston, W. Va.
Filed August 13, 1946. Serial No. 507,295. PUBLISHED JUNE 3, 1947. Class 37.

432,262. BLANK FORMS—NAMELY, PETTY CASH VOUCHERS. VERNON STEENSLAND, Syracuse, N. Y.
Filed August 16, 1946. Serial No. 507,544. PUBLISHED JUNE 3, 1947. Class 37.

432,263. FRESH DATES. COVALDA DATE COMPANY, Coachella, Calif.
Filed August 23, 1946. Serial No. 507,891. PUBLISHED JUNE 3, 1947. Class 46.

432,264. CLOTHES WASHING MACHINES AND CLOTHES WASHING MACHINE CYLINDERS. F. L. JACOBS CO., Detroit, Mich.
Filed August 23, 1946. Serial No. 507,913. PUBLISHED MAY 13, 1947. Class 24.

432,265. TOY VELOCIPEDES. MAC-RAY PRODUCTS, Detroit, Mich.
Filed August 23, 1946. Serial No. 507,919. PUBLISHED MAY 6, 1947. Class 22.

432,266. ASH TRAYS. LEE SALES COMPANY, New York, N. Y.
Filed August 30, 1946. Serial No. 508,296. PUBLISHED MAY 27, 1947. Class 8.

432,267. METAL CUTTING TOOLS—NAMELY, REAMERS, END MILLS, COUNTERBORES, COUNTERSINKS, MILLING CUTTERS AND DRILLS. LAVALLEE & IDE, INC., Chicopee, Mass.
Filed September 5, 1946. Serial No. 508,534. PUBLISHED MAY 13, 1947. Class 23.

432,268. LIQUID PASTEURIZING EQUIPMENT COMPRISING CONTAINERS HAVING AGITATORS, VALVES, INTERCONNECTING PIPING AND PARTS THEREFOR; LIQUID EVAPORATING EQUIPMENT COMPRISING CONTAINERS HAVING HEAT EXCHANGE ELEMENTS, PUMPS, VALVES, INTERCONNECTING PIPING AND PARTS THEREFOR, ETC. THE PFAUDLER CO., New York, N. Y.
Filed September 6, 1946. Serial No. 508,613. PUBLISHED MAY 13, 1947. Class 23.

432,269. VEGETABLE OIL PHOSPHATIDES, USED, FOR EXAMPLE, IN SHORTENING, CHOCOLATE, ETC. BENJAMIN CLAYTON, doing business as Refining, Unincorporated, Pasadena, Calif.
Filed September 9, 1946. Serial No. 508,716. PUBLISHED JUNE 3, 1947. Class 46.

432,270. DRAGLINE CLAMSHELL CRANES. HYSTER COMPANY, Portland, Oreg.
Filed September 13, 1946. Serial No. 509,004. PUBLISHED MAY 27, 1947. Class 23.

432,271. ELECTRIC SEWER CLEANING MACHINES. HOWARD T. O'BRIEN, doing business as O'Brien Mfg. Co., Chicago, Ill.
Filed September 21, 1946. Serial No. 509,529. PUBLISHED JUNE 3, 1947. Class 23.

432,272. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES. E. & V. GREENFIELD JEWELRY MANUFACTURERS, New York, N. Y.
Filed September 20, 1946. Serial No. 509,552. PUBLISHED MAY 27, 1947. Class 28.

432,273. PEANUT BUTTER. ABILENE FOODS CO., Abilene, Kans.
Filed September 27, 1946. Serial No. 509,810. PUBLISHED MAY 27, 1947. Class 46.

432,274. FRESH VEGETABLES AND MELONS. PAUL A. RUTH, doing business as Paul A. Ruth Company, Phoenix, Ariz.
Filed September 27, 1946. Serial No. 509,878. PUBLISHED MAY 27, 1947. Class 46.

432,275. CANDY. L. R. STONE COMPANY, INC., Los Angeles, Calif.
Filed September 27, 1946. Serial No. 509,887. PUBLISHED MAY 27, 1947. Class 46.

432,276. MELONS. THE WOODS COMPANY, Somerton, Ariz.
Filed September 27, 1946. Serial No. 509,901. PUBLISHED MAY 27, 1947. Class 46.

432,277. CANDY. ROSEMARIE DE PARIS, INC., New York, N. Y.
Filed October 3, 1946. Serial No. 510,200. PUBLISHED JUNE 3, 1947. Class 46.

432,278. HYDRAULIC UNITS COMPRISING RESERVOIR, PUMP AND VALVE, AND WHICH ARE USED FOR FURNISHING POWER TO AND FOR CONTROLLING THE ACTION OF HYDRAULIC EQUIPMENT, SUCH AS THAT EMPLOYED IN AGRICULTURAL OR ROAD WORKING MACHINERY. DANA J. SCHNEIDER, doing business as Hydraulic Unit Specialties Company, Painesville, Ohio.
Filed October 3, 1946. Serial No. 510,202. PUBLISHED JUNE 3, 1947. Class 23.

432,279. CLOTHES WASHING MACHINES. THE APEX ELECTRICAL MANUFACTURING CO., Cleveland, Ohio.
Filed October 9, 1946. Serial No. 510,472. PUBLISHED MAY 6, 1947. Class 24.

432,280. SHEET METAL FORMING MACHINES. FREDERICK IRON & STEEL, INC., Frederick, Md.
Filed October 9, 1946. Serial No. 510,499. PUBLISHED MAY 13, 1947. Class 23.

432,281. FRUIT AND VEGETABLE CUTTERS. MILLER MANUFACTURING CO., INC., Portland, Oreg.
Filed October 10, 1946. Serial No. 510,606. PUBLISHED MAY 13, 1947. Class 23.

432,282. CHECK OR DOCUMENT ENDORSING MACHINES. RECORDAK CORPORATION, New York, N. Y.
Filed October 10, 1946. Serial No. 510,616. PUBLISHED MAY 13, 1947. Class 23.

432,283. HEDGE CUTTERS AND TRIMMERS. GEROTOR MAY CORPORATION, Baltimore, Md.
Filed October 11, 1946. Serial No. 510,674. PUBLISHED MAY 13, 1947. Class 23.

432,284. SELF-VENDING, CARBONATED BEVERAGE MACHINES. SPACARB, INC., New York, N. Y.
Filed October 22, 1946. Serial No. 511,299. PUBLISHED MAY 27, 1947. Class 23.

432,285. WATCHES AND PARTS THEREOF. UNIMEX COMPANY, doing business as Unimex Watch Distributors, New York, N. Y.
Filed October 22, 1946. Serial No. 511,305. PUBLISHED JUNE 3, 1947. Class 27.

432,286. PLOW AND CULTIVATOR PARTS—NAMELY, SHOVELS, SWEEPS, BULL TONGUES, WINGS OR MOLDBOARDS, HEEL SCRAPES OR HEEL SWEEPS, BLADES, SCOOTERS, POINTS AND SHAPES. COLUMBUS IRON WORKS COMPANY, doing business as Southern Plow Co., Columbus, Ga.
Filed October 24, 1946. Serial No. 511,380. PUBLISHED JUNE 3, 1947. Class 23.

432,287. CLOCKS, WATCHES, JEWELED WATCH CASES, CHRONOMETERS, AND PARTS THEREOF. ETABLISSEMENTS UTI, Paris, France.
Filed October 26, 1946. Serial No. 511,545. PUBLISHED JUNE 3, 1947. Class 27.

432,288. ELECTRIC CLOCKS. UNITED CLOCK CORPORATION, Brooklyn, N. Y.
Filed November 8, 1946. Serial No. 512,297. PUBLISHED MAY 27, 1947. Class 27.

432,289. PEARLS, BOTH CULTURED AND SIMULATED OR ARTIFICIAL. A. C. BECKEN CO., Chicago, Ill.
Filed November 9, 1946. Serial No. 512,315. PUBLISHED MAY 27, 1947. Class 28.

432,290. FINGER RINGS. UNTERMEYER, ROBBINS & CO., New York, N. Y.
Filed November 9, 1946. Serial No. 512,356. PUBLISHED MAY 27, 1947. Class 28.

432,291. COMPACTS AND VANITIES MADE OF GOLD AND GOLD PLATE. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed November 12, 1946. Serial No. 512,365. PUBLISHED MAY 27, 1947. Class 28.

432,292. IRONING BOARD PADS AND IRONING BOARD PAD COVERS. PRESSING SUPPLY COMPANY, Philadelphia, Pa.
Filed November 16, 1946. Serial No. 512,747. PUBLISHED MAY 27, 1947. Class 24.

432,293. WATCHES AND PARTS THEREOF. GIGANTIC S. A., Geneva, Switzerland.
Filed March 21, 1947. Serial No. 519,391. PUBLISHED MAY 27, 1947. Class 27.

ACT OF MARCH 19, 1920, SEC. 1 (b)

These registrations are not subject to opposition

432,294. (CLASS 23. CUTLERY, MACHINERY AND TOOLS, AND PARTS THEREOF.) PEERLESS MACHINE COMPANY, Racine, Wis. Filed July 17, 1944. Serial No. 472,338.

PEERLESS

FOR METAL CUTTING POWER SAWS.
Claims use since Apr. 7, 1944.

432,295. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HYDRO-TEX CORP., Chicago, Ill. Filed Dec. 28, 1944. Serial No. 478,003.

Hydro Seald

FOR WATER PROOF RAYON AND COTTON TEXTILE FABRICS.
Claims use since November 1941.

432,296. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DODGE MANUFACTURING CORPORATION, Mishawaka, Ind. Filed June 25, 1945. Serial No. 485,009.

TAPER-LOCK

FOR MACHINE ELEMENTS TO BE MOUNTED ON SHAFTS AND HUB BUSHINGS THEREFOR—NAMELY, SHEAVES AND HUB BUSHINGS THEREFOR.
Claims use since June 1, 1945.

432,297. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) CORY GLASS COFFEE BREWER CO., Chicago, Ill., assignor to Cory Corporation, a corporation of Delaware. Filed Aug. 4, 1945. Serial No. 486,711.

CLEAR-FLO

FOR FILTER UNITS FOR COFFEE MAKERS.
Claims use since July 25, 1945.

432,298. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Aug. 6, 1945. Serial No. 486,776.

HEM-RITE

FOR WINDOW CURTAINS.
Claims use since July 1, 1945.

432,299. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo. Filed Aug. 22, 1945. Serial No. 487,428.

McQUAY-NORRIS

FOR PISTON RINGS, AND EXPANDERS THEREFOR.
Claims use since June 1911 as to piston rings and since July 1936 as to piston ring expanders.

432,300. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Sept. 4, 1945. Serial No. 487,951.

Rolege

FOR WINDOW CURTAINS.
Claims use since July 2, 1945.

432,301. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEN F. KELLEY COMPANY, Tulsa, Okla. Filed Oct. 12, 1945. Serial No. 489,874.

KELCO

FOR CAT HEADS, SAFETY BLOCKS, ROTARY SLIP SUPPORTS, AND PIPE ALIGNING DEVICES.
Claims use since Mar. 11, 1943.

432,302. (CLASS 39. CLOTHING.) FASHION TOPS INC., New York, N. Y. Filed Oct. 25, 1945. Serial No. 490,481.

a Fashion Top

FOR LADIES' GARMENTS IN THE NATURE OF WAISTS OR BLOUSES.
Claims use since Aug. 10, 1945.

432,303. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BOLLOY PRODUCTS INC., Toledo, Ohio. Filed Oct. 27, 1945. Serial No. 490,571.

Venturizer

FOR FUEL ATOMIZERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Sept. 5, 1945.

432,304. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Nov. 23, 1945. Serial No. 492,047.

Sta-Pleat

FOR WINDOW CURTAINS.
Claims use since Nov. 7, 1945.

432,305. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) PALMER BROS. TOOL AND FORGE CO., Meadville, Pa. Filed Nov. 28, 1945. Serial No. 492,336.

WELLOCT

FOR TOOLS—NAMELY, PLIERS, HAMMERS, AND DRAW SHAVERS.
Claims use since June 1, 1945.

432,306. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPICER MANUFACTURING CORPORATION, Toledo, Ohio. Filed Jan. 17, 1946. Serial No. 494,942.

Spicer

FOR POWER TRANSMISSION MECHANISMS—NAMELY, GEARS AND GEAR BOXES, HYDRAULIC TORQUE CONVERTERS OF THE HYRO-KINETIC TYPE FOR TRANSMITTING POWER FROM AN ENGINE TO THE DRIVE WHEELS OF A VEHICLE, CLUTCHES, UNIVERSAL JOINTS, PROPELLER SHAFTS AND AXLE SHAFTS, AND PARTS THEREOF.
Claims use since on or about Feb. 1, 1931.

432,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM T. GRAHAM, doing business as Graham-Hoeme Manufacturing Co., Amarillo, Tex. Filed Jan. 23, 1946. Serial No. 495,233.

GRAHAM-HOEME

FOR PLOWS.
Claims use since June 1940.

432,308. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH A. POIRIER, Woonsocket, R. I. Filed Feb. 11, 1946. Serial No. 496,403.

ALL-IN-ONE

FOR TOILET PAPER ROLL HOLDERS.
Claims use since Feb. 4, 1946.

432,309. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) W. & G. RIBBON CO., INC., New York, N. Y. Filed Mar. 1, 1946. Serial No. 497,517.

Elegance

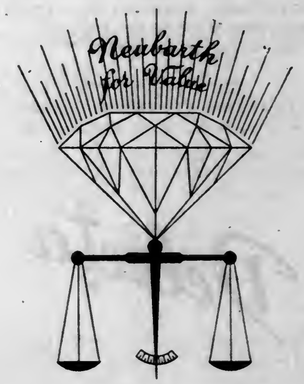
FOR RIBBON SOLD BY THE BOLT.
Claims use since Oct. 5, 1945.

432,310. (CLASS 47. WINES.) KOBRAND CORPORATION, New York, N. Y. Filed Apr. 9, 1946. Serial No. 499,902.

Splendido

FOR WINES.
Claims use since Jan. 15, 1946.

432,311. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SAMUEL NEUBARTH, New York, N. Y. Filed Apr. 15, 1946. Serial No. 500,242.



FOR JEWELRY FOR PERSONAL USE (NOT INCLUDING WATCHES).
Claims use since Jan. 1, 1943.

432,312. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BALDWIN LOCOMOTIVE WORKS, Eddystone, Pa. Filed May 7, 1946. Serial No. 501,556.

BALDWIN

FOR HYDRAULIC MACHINERY—NAMELY, HYDRAULIC PRESSES, PUMPS, AND HYDRAULIC TURBINES; POWER TOOLS—NAMELY, PLATE BENDING ROLLS AND PLANERS; SHIP STEERING GEARS; AND INTERNAL COMBUSTION ENGINES.
Claims use since 1944.

432,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANLEY HOME PRODUCTS INC., Westfield, Mass. Filed May 13, 1946. Serial No. 502,030.

STANLEY'S
Cool-a-Ped

FOR FOOT LOTION.
Claims use since October 1944.

432,314. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI LILLY AND COMPANY, Indianapolis, Ind. Filed May 18, 1946. Serial No. 502,382.

COCO-DIAZINE

FOR MEDICINAL PREPARATION CONTAINING A COCO SUSPENSION OF SULFADIAZINE.
Claims use since July 24, 1944.

432,315. (CLASS 39. CLOTHING.) DELECTA FOOTWEAR CO., New York, N. Y. Filed May 21, 1946. Serial No. 502,500.

Delecta

FOR LADIES', MEN'S, MISSES' AND CHILDREN'S SLIPPERS, MADE OF SHEARLINGS AND COMBINATIONS OF SHEARLINGS AND LEATHER SOLES.
Claims use since Mar. 1, 1946.

432,316. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) GELLMAN MANUFACTURING COMPANY, Rock Island, Ill. Filed May 31, 1946. Serial No. 503,072.

CUBE-IT

FOR MACHINE FOR CUTTING BREAD CUBES.
Claims use since Feb. 4, 1946.

432,317. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LEAVITT MACHINE COMPANY, Orange, Mass. Filed June 14, 1946. Serial No. 503,912.

Dexter

FOR APPARATUS FOR RESURFACING GATE, GLOBE AND PUMP VALVES AND CHUCKS THEREFOR.
Claims use since October 1944.

432,318. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WILLIAM MICHELSON, New York, N. Y. Filed June 18, 1946. Serial No. 504,118.



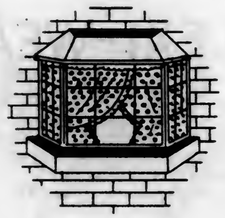
FOR LIQUEURS AND CORDIALS.
Claims use since 1860.

432,319. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WILLIAM MICHELSON, New York, N. Y. Filed June 18, 1946. Serial No. 504,122.



FOR VODKA.
Claims use since 1860.

432,320. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOUSE BEAUTIFUL CURTAINS INC., New York, N. Y. Filed June 28, 1946. Serial No. 504,766.



FOR WINDOW CURTAINS, DRAPERIES, BEDSPREADS, TABLE CLOTHS, AND TEXTILE FABRICS IN THE PIECE FOR SAID GOODS MADE OF COTTON, RAYON, SILK, WOOL AND MIXTURES THEREOF.
Claims use since Feb. 1, 1946.

432,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONID DE LESCINSKIS, New York, N. Y. Filed July 1, 1946. Serial No. 504,912.

Leonid de Lescinskis

FOR PERFUME AND COLOGNE.
Claims use since 1940.

432,322. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed July 3, 1946. Serial No. 505,043.

AVON

FOR RAZOR BLADES.
Claims use since June 7, 1946.

432,323. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed July 11, 1946. Serial No. 505,436.

Diamond Savoy

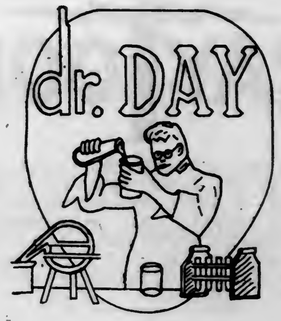
FOR NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES AND EARRINGS.
Claims use since January 1945.

432,324. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE PAUL, doing business as Ariel Cosmetics, New York, N. Y. Filed July 12, 1946. Serial No. 505,535.

CHECK!

FOR PERSONAL DEODORANT.
Claims use since June 15, 1946.

432,325. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) HAPPY DAY COMPANY, INC., Lafayette, La. Filed July 18, 1946. Serial No. 505,827.



The portrait shown as a part of the mark is merely fanciful.
FOR ROOT BEER.
Claims use since July 28, 1944.

432,326. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MONTAL WATCH FITTINGS LIMITED, Birmingham, England. Filed July 20, 1946. Serial No. 505,975.

MONTAL

FOR WATCH CHAINS, METAL WATCH STRAPS, AND WATCH BRACELETS, NOT INCLUDING WATCHES.
Claims use since 1942.

432,327. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) SYDNEY R. JACOBS, doing business as General Products, Chicago, Ill. Filed July 26, 1946. Serial No. 506,320.

WALDORF INSTANT

FOR CLEANING PREPARATION IN POWDER FORM FOR HOUSEHOLD USE.
Claims use since Dec. 7, 1945.

432,328. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) TRIUMPH LABORATORIES INC., New York, N. Y. Filed July 31, 1946. Serial No. 506,620.

KEGGY

FOR DISPENSING CLOSURES FOR BEER BOTTLES.
Claims use since June 1945.

432,329. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) RAYTOOL COMPANY, Milwaukee, Wis. Filed Aug. 1, 1946. Serial No. 506,689.

RAYTOOL

FOR JIGS FOR HOLDING PHONOGRAPH AND RADIO CHASSIS AND RADIO AND PHONOGRAPH REPAIR TOOLS—NAMELY, PLIERS, SCREWDRIVERS, WRENCHES, NON-ELECTRIC SOLDERING IRONS, FILES, SOCKET WRENCHES AND GRINDING WHEELS.
Claims use since June 10, 1946.

432,330. (CLASS 39. CLOTHING.) R. & H. PANT CO., Boston, Mass. Filed Aug. 1, 1946. Serial No. 506,691.

Rodney Hall

FOR MEN'S AND BOYS' PANTS, TOPCOATS, OVERCOATS, JACKETS, SPORT COATS, AND MACKINAWS.
Claims use since July 13, 1936.

432,331. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONSUMERS GAS CO., Detroit Lakes, Minn. Filed Aug. 2, 1946. Serial No. 506,736.

CONSUMERS GAS CO.
METERED
GAService
...COOKING
WATER HEATING
REFRIGERATION

FOR PROPANE, BUTANE, AND OTHER LIQUEFIED PETROLEUM GASES.
Claims use since Sept. 1, 1945.

432,332. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WENDELL PLASTIC FABRICS CORP., New York, N. Y. Filed Aug. 9, 1946. Serial No. 507,167.

PLEXI-WEAVE

FOR TEXTILE FABRICS, WOVEN OF PLASTIC YARN, SOLD IN THE PIECE, ESPECIALLY FOR USE AS AUTOMOBILE SEAT COVERS.
Claims use since June 20, 1946.

432,333. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLOR TONE PRODUCTS CO., Detroit, Mich. Filed Aug. 22, 1946. Serial No. 507,805.

Color-Tone

FOR POWDERED SHOE DYE AND COLOR RESTORER.
Claims use since May 21, 1946.

432,334. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CYRUS M. LONG, doing business as C. M. Long Company, Auburn, Wash. Filed Aug. 27, 1946. Serial No. 508,118.

WATERPROOFT

FOR CONCRETE BLOCK MACHINE.
Claims use since Nov. 1, 1945.

432,335. (CLASS 47. WINES.) G. FERLITA & SONS, INC., Tampa, Fla. Filed Aug. 28, 1946. Serial No. 508,151.

Rigo

FOR WINES.
Claims use since Dec. 16, 1945.

432,336. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) JOHN B. TAYLOR, doing business as Green Lake Beverage Co., Liverpool, N. Y. Filed Sept. 7, 1946. Serial No. 508,677.

Green Lake

FOR A NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since June 1, 1946.

432,337. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARVEY MANUFACTURING COMPANY, Racine, Wis. Filed Sept. 13, 1946. Serial No. 509,000.



The lining in the drawing is to indicate the color red.
FOR HAMMER MILLS, FOR THE CRUSHING OF CORN AND OTHER GRAINS, AND CORN SHELLERS, FOR REMOVING KERNELS FROM THE EARS.
Claims use since May 15, 1945.

432,338. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) CITY MACHINE COMPANY, Piqua, Ohio. Filed Sept. 17, 1946. Serial No. 509,205.

PROPS-IT

FOR PORTABLE SUPPORT FOR CLOTHES LINES.
Claims use since May 5, 1946.

432,339. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOHAWK MARINE MOTORS, INC., Garfield, N. J. Filed Sept. 26, 1946. Serial No. 509,782.

SEAMETAL

FOR MARINE MOTORS AND PARTS THEREOF.
Claims use since June 15, 1946.

432,340. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INGERSOLL-RAND COMPANY, New York, N. Y., and Phillipsburg, N. J. Filed Oct. 26, 1946. Serial No. 511,554.

LEAKOLLECTOR

FOR STUFFING BOXES FOR HYDRAULIC PUMPS.
Claims use since about Dec. 1, 1945.

432,341. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LIFE-ROLLWAY CORPORATION, Syracuse, N. Y. Filed Nov. 1, 1946. Serial No. 511,883.

HAND-I-HACK

FOR POWER HACK SAWS.
Claims use since Oct. 10, 1944.

432,342. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MERRIMAC MILLS COMPANY, Methuen, Mass. Filed Nov. 29, 1946. Serial No. 514,087.



FOR WOOLEN PIECE GOODS.
Claims use since 1939.

432,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. W. HARRIS, Cincinnati, Ohio. Filed Dec. 13, 1946. Serial No. 514,198.

STAY-CLEAN

FOR FLUX FOR ALL SOLDERING PURPOSES INCLUDING STAINLESS STEEL, MONEL, AND CHROME. Claims use since Apr. 22, 1935.

432,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONID DE LESCINSKIS, New York, N. Y. Filed June 19, 1947. Serial No. 524,470.

"DE LESCINSKIS"

FOR PERFUMES, TOILET WATERS, COLOGNES, FACE POWDERS, DUSTING POWDERS, LIPSTICKS AND ROUGES. Claims use since May 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

29,529. **"D. & H. SCOVIL'S IMPROVED PLANTER'S HOE" ETC. AND REPRESENTATION OF HOE BLADE S ETC. AND DESIGN.** HOES. Registered Jan. 26, 1897. D. & H. SCOVIL. Re-renewed Jan. 26, 1947, to D. & H. Scovil, Inc., Higganum, Conn., a corporation of Connecticut. Class 23.

29,611. **"PATTON'S SUN-PROOF PAINTS" ON THE REPRESENTATION OF THE SUN.** PAINTS. Registered Feb. 23, 1897. JAMES E. PATTON CO., Milwaukee, Wis. Re-renewed Feb. 23, 1947, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 16.

29,776. **MULTIKOPY.** PRINTING AND DUPLICATING INKS AND CARBON-PAPERS. Registered Apr. 6, 1897. F. S. WEBSTER CO., Boston, Mass., New York, N. Y., Chicago, Ill., and London, England. Re-renewed Apr. 6, 1947, to F. S. Webster Company, Cambridge, Mass., a corporation of Massachusetts. Class 11.

29,791. **"BALLARD'S OBELISK" ETC. AND DRAWING.** WHEAT FLOUR. Registered Apr. 6, 1897. BALLARD & BALLARD COMPANY, Louisville, Ky., a corporation of Kentucky. Re-renewed Apr. 6, 1947. Class 46.

29,862. **FLORELOID.** BRUSHES. Registered Apr. 20, 1897. THE FLORENCE MANUFACTURING CO. Re-renewed Apr. 20, 1947, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

29,884. **TROPHONINE.** A METABOLIZED FOOD IN THE NATURE OF A NUTRITIVE TONIC. Registered Apr. 20, 1897. JOHN CARNRICK, New York, N. Y. Re-renewed Apr. 20, 1947, to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey. Class 6.

29,986. **KEEPCLEAN.** BRUSHES. Registered May 11, 1897. FLORENCE MANUFACTURING CO., Northampton, Mass., New York, N. Y., and Chicago, Ill. Re-renewed May 11, 1947, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware. Class 29.

30,260. **MULTIKOPYGRAPH.** DUPLICATING DEVICES OF THE KIND INCLUDING THE MIMEOGRAPH, NEOSTYLE, REDUPLICATOR, ETC. Registered June 29, 1897. F. S. WEBSTER COMPANY, Boston, Mass., New York, N. Y., Chicago, Ill., and London, England. Re-renewed June 29, 1947, to F. S. Webster Company, Cambridge, Mass., a corporation of Massachusetts. Class 37.

59,816. **UDOLPHO WOLFE SCHIEDAM AROMATIC SCHNAPPS.** AROMATIC SCHIEDAM SCHNAPPS. Registered Jan. 15, 1907. UDOLPHO WOLFE CO. Renewed Jan. 15, 1947, to Naamlooze Vennootschap Handelsvereeniging Udolpho Wolfe, New York, N. Y., a Dutch corporation. Class 6.

59,851. **HARRIS.** LUBRICATING-OILS AND LUBRICATING COMPOUNDS. Registered Jan. 22, 1907. ABRAHAM WALTER HARRIS, Providence, R. I. Re-renewed Jan. 22, 1947, to A. W. Harris Oil Company, East Providence, R. I., a corporation of Rhode Island. Class 15.

59,906. **CHATEAU CHOCOLATS RICHMOND BEAUTIES.** CANDIES COMPOSED OF OR CONTAINING CHOCOLATE. Registered Jan. 22, 1907. NATIONAL CANDY COMPANY, Jersey City, N. J., and St. Louis, Mo. Re-renewed Jan. 22, 1947, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. Class 46.

59,970. **"BUCKEYE" AND REPRESENTATION OF HEAD OF DEER.** INCANDESCENT LAMPS. Registered Jan. 22, 1907. THE BUCKEYE ELECTRIC COMPANY, Cleveland, Ohio. Re-renewed Jan. 22, 1947, to General Electric Company, Schenectady, N. Y., a corporation of New York. Class 21.

59,971. **FRENCH'S.** DENTAL PLASTER. Registered Jan. 22, 1907. SAMUEL H. FRENCH & CO. Re-renewed Jan. 22, 1947, to Samuel H. French & Co., Philadelphia, Pa., a corporation of Pennsylvania. Class 44.

60,340. **"COLONIAL BRAND" AND PICTORIAL REPRESENTATION.** TIMOTHY-SEED. Registered Feb. 5, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Feb. 5, 1947. Class 1.

60,351. **"SQUARE DEAL BRAND" ETC. AND DESIGN.** TIMOTHY-SEED. Registered Feb. 5, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Feb. 5, 1947. Class 1.

60,352. **"AMERICAN HOSIERY" ETC.** KNITTED SHIRTS, DRAWERS, AND HOSIERY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF VARIOUS MATERIALS, AS CASHMERE WOOL, MERINO, PURE LINEN, PURE SILK, SILK-MIXED, LISLE-THREAD. Registered Feb. 5, 1907. AMERICAN HOSIERY COMPANY, New Britain, Conn. Re-renewed Feb. 5, 1947, to American Hosiery Company, Inc., New York, N. Y., a corporation of New York. Class 39.

60,372. **"AMERICAN HOSIERY CO." AND SHIELD DESIGN.** KNITTED SHIRTS, DRAWERS, AND HOSIERY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF VARIOUS MATERIALS, AS CASHMERE, CASHMERE WOOL, MERINO, PURE LINEN, PURE SILK, SILK MIXED, LISLE THREAD. Registered Feb. 5, 1907. AMERICAN HOSIERY COMPANY, New Britain, Conn. Re-renewed Feb. 5, 1947, to American Hosiery Company, Inc., New York, N. Y., a corporation of New York. Class 39.

60,401. **"MERINO DOUBLE STAR" AND DESIGN.** KNITTED SHIRTS, DRAWERS, AND HOSIERY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR OF MERINO. Registered Feb. 5, 1907. AMERICAN HOSIERY COMPANY, New Britain, Conn. Re-renewed Feb. 5, 1947, to American Hosiery Company, Inc., New York, N. Y., a corporation of New York. Class 39.

60,409. **DR. MILES'.** TONICS, BLOOD, HEART AND NERVE MEDICINES. Registered Feb. 5, 1907. THE DR. MILES MEDICAL CO. Re-renewed Feb. 5, 1947, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana. Class 6.

60,447. **ERNUTIN.** PREPARATIONS OF ERGOT FOR HUMAN AND VETERINARY USE. Registered Feb. 5, 1907. HENRY SOLOMON WELLCOME, London, England. Re-renewed Feb. 5, 1947, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York. Class 6.

60,752. **"AMERICAN BALL BLUE" ETC. AND DESIGN.** BALL-BLUE. Registered Feb. 19, 1907. THE HELLER MERZ CO., Newark, N. J. Re-renewed Feb. 19, 1947, to American Cyanamid Company, New York, N. Y., a corporation of Maine. Class 6.

60,872. **X.** LEATHER AND SHOE BLACKINGS, PASTE, POLISH, AND LEATHER AND SHOE VARNISH. Registered Feb. 26, 1907. S. M. BIXBY & CO. Re-renewed Feb. 26, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 4.

60,873. **BIXBY.** LEATHER AND SHOE BLACKINGS, PASTE, POLISH, AND LEATHER AND SHOE VARNISH. Registered Feb. 26, 1907. S. M. BIXBY & CO. Re-renewed Feb. 26, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 4.

60,877. **"X" AND CIRCLE DESIGN.** LEATHER AND SHOE BLACKINGS, PASTE, POLISH, AND LEATHER AND SHOE VARNISH. Registered Feb. 26, 1907. S. M. BIXBY & CO. Re-renewed Feb. 26, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 4.

60,878. **BIXBY'S AND DESIGN.** LEATHER AND SHOE BLACKINGS, PASTE, POLISH, AND LEATHER AND SHOE VARNISH. Registered Feb. 26, 1907. S. M. BIXBY & CO. Re-renewed Feb. 26, 1947, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 4.

60,938. **"DUCK BRAND 'SHEDS WATER'" ETC. AND DESIGN.** UMBRELLAS. Registered Feb. 26, 1907. LAWTON & HALL, Chicago, Ill. Re-renewed Feb. 26, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 41.

61,058. **CRESCA.** MACARONI, NOODLES, WAFERS, AND CRACKERS, GINGER-CAKE, PLUM-PUDDING, PUMPERNICKEL, AND RYE BREAD. Registered Mar. 5, 1907. REISS & BRADY. Re-renewed Mar. 5, 1947, to Cresca Company Incorporated, New York, N. Y., a corporation of New York. Class 46.

61,059. **CRESCA.** CHEESE. Registered Mar. 5, 1907. REISS & BRADY. Re-renewed Mar. 5, 1947, to Cresca Company Incorporated, New York, N. Y., a corporation of New York. Class 46.

61,344. **"BRADES CO".** TROWELS OF ALL KINDS, SUCH AS MASON'S BRICK, AND PLASTERING TROWELS. Registered Mar. 19, 1907. WILLIAM HUNT & SONS, THE BRADES, LIMITED, BRADES STEEL WORKS, near Birmingham, England, a corporation organised under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Mar. 19, 1947. Class 23.

61,602. **"DUCK BRAND 'SHEDS WATER'" ETC. AND DESIGN.** RUBBER COATS, PANTS, LEGGINGS, HATS, CAPS, BLANKETS, BOOTS, AND SHOES. Registered Mar. 26, 1907. LAWTON & HALL, Chicago, Ill. Re-renewed Mar. 26, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Classes 39 and 50.

61,712. **OHIO.** INJECTORS FOR STATIONARY AND LOCOMOTIVE STEAM-BOILERS. Registered Apr. 2, 1907. THE OHIO INJECTOR COMPANY, Wadsworth, Ohio, a corporation of Ohio. Re-renewed Apr. 2, 1947. Class 23.

61,734. **GLYKAOLIN.** MEDICINAL PASTES AND OINTMENTS. Registered Apr. 2, 1907. JOHN WYETH AND BROTHER, INCORPORATED. Re-renewed Apr. 2, 1947, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Class 6.

61,920. **RODINAL.** PHOTOGRAPHIC DEVELOPERS. Registered Apr. 9, 1907. ACTIEN-GESELLSCHAFT FÜR ANILIN FABRIKATION, Berlin, Germany. Re-renewed Apr. 9, 1947, to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of New York. Class 6.

61,966. **PEPANA.** MEDICINAL DIGESTIVE PREPARATIONS. Registered Apr. 9, 1907. HENRY SOLOMON WELLCOME, London, England. Re-renewed Apr. 9, 1947, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York. Class 6.

62,060. **VELVET FINISH.** VARNISH. Registered Apr. 16, 1907. BERRY BROTHERS, LIMITED, Detroit, Mich. Re-renewed Apr. 16, 1947, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Class 16.

62,252. **CRESCA.** SARDINES, SARDINE PASTE, SPRATS, MACKEREL, TUNNY-FISH, HERRING, AND CERTAIN OTHER NAMED SEA FOODS. Registered Apr. 30, 1907. REISS & BRADY. Re-renewed Apr. 30, 1947, to Cresca Company Incorporated, New York, N. Y., a corporation of New York. Class 46.

62,398. **LINCOLN.** RUBBER BOOTS AND SHOES. Registered May 7, 1907. GOODYEAR RUBBER COMPANY, New York, N. Y. Re-renewed May 7, 1947, to The Goodyear Rubber Company, Middletown, Conn., a corporation of Connecticut. Class 39.

62,632. **"SPALDING" AND REPRESENTATION OF A BASE-BALL.** ELASTIC BANDAGES, SUPPORTERS, AND SUSPENSORIES. Registered May 21, 1907. A. G. SPALDING & BROS., New York, N. Y. Re-renewed May 21, 1947, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 44.

62,670. **SPALDING.** BASE-BALL, FOOT-BALL AND BICYCLE STOCKINGS, JERSEYS, SWEATERS, KNIT SKIRTS, KNIT TIGHTS, AND KNIT BATHING SUITS AND TRUNKS. Registered May 21, 1907. A. G. SPALDING & BROS., New York, N. Y. Re-renewed May 21, 1947, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 39.

62,671. **"SPALDING" AND REPRESENTATION OF A BALL.** BASE-BALL, FOOT-BALL AND BICYCLE STOCKINGS, JERSEYS, SWEATERS, KNIT SKIRTS, KNIT TIGHTS, AND KNIT BATHING SUITS, AND TRUNKS. Registered May 21, 1907. A. G. SPALDING & BROS., New York, N. Y. Re-renewed May 21, 1947, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 39.

63,003. **REPRESENTATION OF THE SPHINX AND TRIANGULAR DESIGN.** DRIVE CHAINS AND CONVEYER CHAINS. Registered June 4, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind. Re-renewed June 4, 1947, to Link-Belt Company, Chicago, Ill., a corporation of Illinois. Class 13.

63,050. **"JRD" AND DESIGN.** WHISKY. Registered June 4, 1907. JOHN ROBERTSON & SON, LIMITED, Dundee, Scotland. Re-renewed June 4, 1947, to John Robertson & Son, Limited, Leith, Scotland, a company registered under the laws of Great Britain. Class 49.

63,052. **DOUBLE ARROW DESIGN.** DRIVE CHAINS AND CONVEYER CHAINS. Registered June 4, 1927. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind. Re-renewed June 4, 1947, to Link-Belt Company, Chicago, Ill., a corporation of Illinois. Class 13.

63,062. **"HAND IN HAND" AND DESIGN.** WHISKY. Registered June 4, 1907. TANQUERAY GORDON & CO. LIMITED, London, England, a company registered under the laws of Great Britain. Re-renewed June 4, 1947. Class 49.

63,072. **DR. KING'S NEW LIFE PILLS.** REMEDIES FOR DISORDERED LIVER, BILIOUSNESS, AND CONSTIPATION, HEADACHE, LOSS OF APPETITE, DIZZINESS, TORPID BOWELS, JAUNDICE, FEVER AND AGUE, MALARIA AND CERTAIN OTHER SIMILAR AILMENTS. Registered June 4, 1907. H. E. BUCKLEN & COMPANY, Chicago, Ill. Re-renewed June 4, 1947, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

63,153. **BADGER.** RUBBER BOOTS AND SHOES. Registered June 11, 1907. GOODYEAR RUBBER COMPANY, New York, N. Y. Re-renewed June 11, 1947, to The Goodyear Rubber Company, Middletown, Conn., a corporation of Connecticut. Class 39.

63,322. **CRESCA.** CANNED PEAS, MUSHROOMS, CHERRIES, FIGS, MELANGE, PLUMS, CALVESFOOT JELLY, PEARS, PEACHES, STRAWBERRIES, BEANS, MIXED VEGETABLES, SPINACH, ASPARAGUS AND OTHER CERTAIN NAMED ARTICLES OF FOOD. Registered June 11, 1907. REISS & BRADY. Re-renewed June 11, 1947, to Cresca Company Incorporated, New York, N. Y., a corporation of New York. Class 46.

63,444. **DR. KING'S NEW DISCOVERY.** MEDICINAL PREPARATIONS FOR THE RELIEF OF COUGHS, COLDS, AND ALL AFFECTIONS OF THE THROAT, CHEST, AND LUNGS. Registered June 18, 1907. H. E. BUCKLEN & COMPANY, Chicago, Ill. Re-renewed June 18, 1947, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

63,475. **"P" AND QUARTERFOIL COLORED RED ROPE, CORD AND TWINE.** Registered June 25, 1907. THE PORTLAND CORDAGE CO., Portland, Oreg. Re-renewed June 25, 1947, to Tubbs Cordage Company, San Francisco, Calif., a corporation of California. Class 7.

63,493. **CRACK PROOF.** RUBBER BOOTS AND SHOES. Registered June 25, 1907. GOODYEAR RUBBER COMPANY, New York, N. Y. Re-renewed June 25, 1947, to The Goodyear Rubber Company, Middletown, Conn., a corporation of Connecticut. Class 39.

63,503. **LINK BELT.** DRIVE CHAINS, CONVEYER CHAINS AND CHAIN CABLES. Registered June 25, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind. Re-renewed June 25, 1947, to Link-Belt Company, Chicago, Ill., a corporation of Illinois. Class 13.

63,642. **"U" AND REPRESENTATION OF TRIANGLE.** ANILIN COLORS AND BLUE. Registered July 2, 1907. THE HELLER MERZ CO., Newark, N. J. Re-renewed July 2, 1947, to American Cyanamid Company, New York, N. Y., a corporation of Maine. Class 6.

63,779. **"ONGUENT FOSTER" ETC. AND PORTRAIT OF JAMES FOSTER AND DESIGNS.** OINTMENTS. Registered July 9, 1907. FOSTER-MCCLELLAN COMPANY, Buffalo, N. Y., a corporation of New York. Re-renewed July 9, 1947. Class 6.

63,917. **PARISIENNE.** CORSETS. Registered July 16, 1907. JOHN WANAMAKER. Re-renewed July 16, 1947, to John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania. Class 39.

63,958. **A REPRESENTATION OF A KEYSTONE.** SALVE EMPLOYED AS A REMEDY FOR CATARRH, PILES, SORE THROAT, NEURALGIA, PAINS IN THE BREAST, HEADACHE, BURNS, CHAPPED SKIN, BRUISES, CUTS, COLDS, ETC. Registered July 16, 1907. KEYSTONE CATARRH REMEDY CO. Re-renewed July 16, 1947, to Keystone Salve Co., Belle Vernon, Pa., a copartnership. Class 6.

63,970. **INVAR.** AN ALLOY WHICH IS SUBSTANTIALLY INEXPANSIBLE. Registered July 16, 1907. STÉ. AME. DE COMMENTRY FOURCHAMBAULT ET DECAZEVILLE. Re-renewed July 16, 1947, to Société Anonyme de Commentry Fourchambault et Decazeville, Paris, France, a corporation of the Republic of France. Class 14.

64,219. **HIDE TO WEARER.** BOOTS AND SHOES OF LEATHER. Registered July 30, 1907. ENDICOTT-JOHNSON CO. Re-renewed July 30, 1947, to Endicott-Johnson Corporation, Endicott, N. Y., a corporation of New York. Class 39.

217,533. **AIR-O-GAS.** STOVES USING GASOLINE AS A FUEL. Registered Aug. 31, 1926. THE COLEMAN LAMP COMPANY. Renewed Aug. 31, 1946, to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas. Class 34.

218,796. **ΣX.** FRATERNITY BADGES, LAPEL BUTTONS; SCARF, LAPEL, AND BREAST PINS; CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. Registered Oct. 5, 1926. Sigma Chi Fraternity, Chicago, Ill., a corporation of Illinois. Renewed Oct. 5, 1946. Class 28.

221,339. **"WYBERT".** THROAT LOZENGES. Registered Nov. 30, 1926. DR. H. & DR. P. GEIGER, Saint Louis, Haut-Rhin, France. Renewed Nov. 30, 1946, to Etablissements Gaba, Faubourg Paluet, St. Pourcain-sur-Sioule/Allier, France, a corporation organized under the laws of France. Class 6.

222,907. **TORPEDO FLOAT.** INFLATABLE SWIMMING DEVICES. Registered Jan. 11, 1927. THE AIRUBBER CORPORATION, Chicago, Ill. Renewed Jan. 11, 1947, to New York Rubber Corporation, New York, N. Y., a corporation of New York. Class 22.

223,139. **FALCON BRAND AND REPRESENTATION OF A FALCON ENCLOSED IN A CIRCULAR OUTLINE.** OLIVES. Registered Jan. 18, 1927. FALCON PACKING CO., INC., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 46.

223,140. **COCKTAIL AND REPRESENTATION OF A COCKTAIL GLASS.** OLIVES. Registered Jan. 18, 1927. FALCON PACKING CO., INC., New York, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 46.

223,175. **"PRODUCTOS SUPERIORES DE HUNT" AND DRAWING.** AXES, HATCHETS, HAMMERS, ADZES, BROADAXES, PICKS, MACHETES, MATTOCKS, PICK MATTOCKS, AND GRUB HOES. Registered Jan. 18, 1927. KELLY AXE & TOOL CO., Charleston, W. Va. Renewed Jan. 18, 1947, to The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio. Class 23.

223,306. **"WHEELING W" ETC. AND DESIGN.** DRY MEASURES. Registered Feb. 1, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 1, 1947. Class 26.

223,307. **"WHEELING W" ETC. AND DESIGN.** FIRE SHOVELS AND RECTANGULAR SHEET-STEEL ROASTERS. Registered Feb. 1, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 1, 1947. Class 23.

223,376. **TONAPHYSIC.** TONICS AND PHYSICS FOR CATTLE AND HORSES. Registered Feb. 1, 1927. THE J. R. WATKINS COMPANY, Winona, Minn., a corporation of Delaware. Renewed Feb. 1, 1947. Class 6.

223,428. **KRYOLITH.** CRYOLITE. Registered Feb. 1, 1927. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 1, 1947. Class 1.

223,438. **FAVORI.** MILK CHOCOLATE WITH CREAM OF ALMONDS. Registered Feb. 1, 1927. AKTIENGESELLSCHAFT CHOCOLAT TOBLER. Renewed Feb. 1, 1947, to Aktiengesellschaft Chocolat Tobler, Bern, Switzerland, a joint stock company organized under the laws of Switzerland. Class 46.

223,692. **"WHEELING W" ETC. AND DESIGN.** STOVEPIPE COLLARS, RUBBISH BURNERS, STOVEPIPE, PORTABLE OVENS, GAS HEATERS, AND FLUE THIMBLES. Registered Feb. 8, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 8, 1947. Class 34.

223,706. **"WAUKEGAN" AND REPRESENTATION OF AN INDIAN.** BARBED WIRE. Registered Feb. 8, 1927. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed Feb. 8, 1947. Class 13.

223,916. **PENCO.** TEA, COFFEE AND SPICES. Registered Feb. 15, 1927. JESSE C. STEWART CO., Pittsburgh, Pa. Renewed Feb. 15, 1947, to John Sexton & Co., Chicago, Ill., a corporation of Illinois. Class 46.

223,995. **BLUEBIRD.** WHEAT FLOUR, INCLUDING SELF-RISING FLOUR. Registered Feb. 15, 1927. BALLARD & BALLARD CO., Louisville, Ky., a corporation of Kentucky. Renewed Feb. 15, 1947. Class 46.

224,098. **OLD HICKORY.** WHEAT FLOUR. Registered Feb. 15, 1927. BALLARD & BALLARD CO., Louisville, Ky., a corporation of Kentucky. Renewed Feb. 15, 1947. Class 46.

224,123. **FAOEN.** PERFUMERY, ROUGE, TALCUM POWDER, LIPSTICK, FACE POWDER, TOILET WATER, BATH CRYSTALS, DUSTING POWDER, AND COMPACT. Registered Feb. 15, 1927. PARK & TILFORD, New York, N. Y., a corporation of New York. Renewed Feb. 15, 1947. Class 6.

224,171. **"WHEELING W" ETC. AND DESIGN.** CONDUCTOR PIPE, CULVERT PIPE, CONDUCTOR ELBOWS, DRIP PANS, ROASTERS, CUSPIDORS, GRIDDLES, FRY PANS, AND REFRIGERATOR PANS. Registered Feb. 22, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Feb. 22, 1947. Class 13.

224,184. **"RIM CO." AND DESIGN.** ELECTRIC AIR HEATERS, ELECTRIC FLAT IRONS, ELECTRIC TOASTERS, ELECTRIC STOVES, AND ELECTRIC WAFFLE IRONS. Registered Feb. 22, 1927. ROCK ISLAND MFG. CO., Rock Island, Ill. Renewed Feb. 22, 1947, to Birtman Electric Company, Chicago, Ill., a corporation of Illinois. Class 21.

224,236. **DURUS.** CARBON PAPER. Registered Feb. 22, 1927. F. S. WEBSTER COMPANY, Boston, Mass. Renewed Feb. 22, 1947, to F. S. Webster Company, Cambridge, Mass., a corporation of Massachusetts. Class 11.

224,249. **OLDSMOBILE.** AUTOMOBILES. Registered Feb. 22, 1927. GENERAL MOTORS CORPORATION, Detroit, Mich., a corporation of Delaware. Renewed Feb. 22, 1947. Class 19.

224,276. **GREENLAND KRYOLITH.** CRYOLITE. Registered Feb. 22, 1927. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 22, 1947. Class 1.

224,292. **SURETY.** DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, OILS USED FOR MIXING PAINT, OILS USED FOR FINISHING FLOORS, WOODWORK, FURNITURE, ETC. Registered Feb. 22, 1927. J. N. ADAM & CO., Buffalo, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 16.

224,308. **THUMBNAIL CANDY TALKS.** NAME AND DESIGNATION OF A MONTHLY PUBLICATION FOR THE CONFECTIONERY TRADE. Registered Feb. 22, 1927. THE NULOMOLINE COMPANY, New York, N. Y., a corporation of New York. Renewed Feb. 22, 1947. Class 38.

224,313. **ASARCO.** NONFERROUS METALS AND ALLOYS AND INGOTS, PIGS, SLABS, BARS, RODS, WIRES, STICKS, SHEETS, ANODES, CATHODES, DUST, SPELTER, BABBITT, AND SOLDER MADE THEREFROM. Registered Feb. 22, 1927. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Feb. 22, 1947. Class 14.

224,326. **BI-LUX.** GLASS GLOBES OR REFRACTORS. Registered Feb. 22, 1927. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed Feb. 22, 1947, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 33.

224,337. **MOC-VAMP.** MEN'S SHOES OF LEATHER, RUBBER OR FABRIC OR COMBINATIONS OF SUCH MATERIAL. Registered Feb. 22, 1927. CHARLES A. EATON COMPANY, Brockton, Mass., a corporation of Massachusetts. Renewed Feb. 22, 1947. Class 39.

224,349. **UNITYPE.** POWDERED-FUEL EQUIPMENT—NAMELY, PULVERIZERS FOR POWDERED FUEL. Registered Feb. 22, 1927. ERIE CITY IRON WORKS, Erie, Pa., a corporation of Pennsylvania. Renewed Feb. 22, 1947. Class 23.

224,464. **ASBESCOT.** WOVEN PADDING. Registered Mar. 1, 1927. L. H. GILMER CO., Tacony and Philadelphia, Pa. Renewed Mar. 1, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 42.

224,491. **"JNS" AND DESIGN.** DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, OILS USED FOR MIXING PAINT, OILS USED FOR FINISHING FLOORS, WOODWORK, FURNITURE, ETC. Registered Mar. 1, 1927. J. N. ADAM & CO., Buffalo, N. Y., a corporation of New York. Renewed Mar. 1, 1947. Class 16.

224,504. **"SIREN" AND CIRCLES DESIGN.** RUBBER BOOTS AND SHOES. Registered Mar. 1, 1927. CLARENCE L. HARVEY, doing business as Fireman's Supply Co., Belleville, N. J. Renewed Mar. 1, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 39.

224,519. **WHEARY AIRPLANE WARDROLETTE AND DESIGN.** WARDROBE TRUNKS AND CASES. Registered Mar. 1, 1927. WHEARY TRUNK COMPANY. Renewed Mar. 1, 1947, to Wheary Incorporated, Racine, Wis., a corporation of Wisconsin. Class 3.

224,655. **"MAJESTIC JCP" ENCLOSED IN BLACK SQUARE OUTLINE.** SUSPENDERS, BELTS INTENDED FOR PERSONAL WEAR, ARM BANDS, AND HOSE SUPPORTERS (WOMEN'S AND CHILDREN'S). Registered Mar. 1, 1927. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Renewed Mar. 1, 1947, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 39.

224,669. **"WHEELING W" ETC. AND DESIGN.** ROOFING, TIN AND GALVANIZED STEEL SHEETS. Registered Mar. 1, 1927. WHEELING CORRUGATING COMPANY, Wheeling, W. Va., a corporation of West Virginia. Renewed Mar. 1, 1947. Class 14.

224,722. **CHANTY.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, ROUGES, LIP STICKS, SACHET, BRILLIANTINE, BATH SALTS, DENTIFRICES. Registered Mar. 1, 1927. CARLOS J. DIAZ. Renewed Mar. 1, 1947, to Jacinto Sosa, doing business as Chanty New York, New York, N. Y. Class 6.

224,743. **MOREDGE.** SAFETY-RAZOR BLADES. Registered Mar. 1, 1927. EDWARD W. MCDONOUGH, doing business as Moredge Sales Company, Newark, N. J. Renewed Mar. 1, 1947, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 23.

224,790. **DIRIGO.** ELECTRICAL INSULATING COMPOSITIONS AND COMPOUNDS USED IN CONNECTION WITH INSULATED SUPPORTS AND HANGERS FOR ELECTRICAL CONDUCTORS. Registered Mar. 8, 1927. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed Mar. 8, 1947. Class 21.

224,817. **KLECO.** NAIL POLISH, NAIL-POLISH REMOVER, FACE AND TALCUM POWDERS, FACE CREAMS AND LOTIONS, TOILET WATER, AND PERFUME. Registered Mar. 8, 1927. IRVING KLECKNER, Brooklyn, N. Y. Renewed Mar. 8, 1947. Class 6.

224,866. **DESIGN CONSISTING OF A RECTANGLE ETC.** DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, OILS USED FOR MIXING PAINT, OILS USED FOR FINISHING FLOORS, WOODWORK, FURNITURE, ETC. Registered Mar. 8, 1927. J. N. ADAM & Co., Buffalo, N. Y., a corporation of New York. Renewed Mar. 8, 1947. Class 16.

224,903. **BETHLEHEM REVIEW.** PUBLICATION KNOWN AS A HOUSE ORGAN ISSUED PERIODICALLY. Registered Mar. 8, 1927. BETHLEHEM STEEL COMPANY, Bethlehem, Pa., a corporation of Pennsylvania. Renewed Mar. 8, 1947. Class 38.

225,049. **BANROC.** THERMAL INSULATING MATERIALS COMPRISING ROCK WOOL, ROCK CORK, AND ROCK CEMENT. Registered Mar. 8, 1927. BANNER ROCK PRODUCTS CO., Alexandria, Ind. Renewed Mar. 8, 1947, to Johns-Manville Corporation, New York, N. Y., a corporation of New York. Class 12.

225,090. **SOLLAIRE.** ELECTRIC-LIGHTING FIXTURES AND ELECTRIC-LIGHTING-FIXTURE UNITS. Registered Mar. 8, 1927. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed Mar. 8, 1947, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 21.

225,162. **SEAHAWK.** COTTON PIECE GOODS, BOTH BLEACHED AND UNBLEACHED. Registered Mar. 15, 1927. J. C. PENNEY COMPANY, Wilmington, Del. and New York, N. Y. Renewed Mar. 15, 1947, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 42.

225,220. **FLAIR.** PERFUME, TOILET WATER, COMPACTS, ROUGE, FACE POWDER, TALCUM POWDER, LIP STICKS, SACHET, VEGETAL, BATH CRYSTALS, AND CERTAIN OTHER NAMED COSMETICS. Registered Mar. 15, 1927. MARSHALL FIELD & COMPANY, Chicago, Ill. Renewed Mar. 15, 1947, to Yardley & Co., Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Class 6.

225,284. **D. S. K.** WATERPROOF PAPER USED IN PACKAGING AND SHIPPING. Registered Mar. 15, 1927. KEYSTONE ROOFING MANUFACTURING COMPANY, York, Pa., a corporation of Pennsylvania. Renewed Mar. 15, 1947. Class 37.

225,454. **RUST-O-LENE.** LUBRICATING OILS AND GREASES. Registered Mar. 22, 1927. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Mar. 22, 1947, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

225,460. **UMBRA.** LUBRICATING OILS AND GREASES. Registered Mar. 22, 1927. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Mar. 22, 1947, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

225,461. **CRYSTEX.** LUBRICATING OILS. Registered Mar. 22, 1927. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Mar. 22, 1947, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

225,487. **OSAGE.** LUBRICATING OILS. Registered Mar. 22, 1927. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Mar. 22, 1947, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

225,576. **CANYON.** COTTON PIECE GOODS, BOTH BLEACHED AND UNBLEACHED. Registered Mar. 22, 1927. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Renewed Mar. 22, 1947, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 42.

225,673. **RECTANGULAR, SQUARE AND CIRCLE DESIGNS COLORED RED AND GOLD.** PASTES FOR COLORING FOOD PRODUCTS. Registered Mar. 22, 1927. JOSEPH BURNETT COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed Mar. 22, 1947. Class 6.

225,715. **RED BIRD.** TEXTILE TEA TOWELS FOR WIPING DISHES AND GLASSWARE AND POLISHING THE LATTER. Registered Mar. 22, 1927. SPOKANE TOILET SUPPLY CO., Spokane, Wash., a corporation of Washington. Renewed Mar. 22, 1947. Class 42.

225,864. **GUARDIAN.** STOCK AND POULTRY FEEDS. Registered Mar. 29, 1927. BALLARD & BALLARD CO., Louisville, Ky., a corporation of Kentucky. Renewed Mar. 29, 1947. Class 46.

225,872. **REPRESENTATION OF BADGER AND TIRE.** TIRES, TIRE CASINGS, TIRE SLEEVES AND INNER TUBES, ALL MADE WHOLLY OR PARTLY OF RUBBER. Registered Mar. 29, 1927. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Renewed Mar. 29, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

225,909. **BADGER.** CEMENTS MADE WHOLLY OR PARTLY OF RUBBER. Registered Mar. 29, 1927. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Renewed Mar. 29, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 5.

225,978. **REPRESENTATION OF A GREYHOUND.** PENCILS, CHALK HOLDERS, RUBBER ERASERS, PASTELS, AND CRAYONS. Registered Mar. 29, 1927. REEVES & SONS LIMITED, London, England, a corporation of Great Britain. Renewed Mar. 29, 1947. Class 37.

226,038. **BADGER.** AUTOMOBILE TIRES, CASINGS, TUBES, HOSE AND BELTS, ALL MADE WHOLLY OR PARTLY OF RUBBER. Registered Mar. 29, 1927. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis. Renewed Mar. 29, 1947, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

226,132. **S.** PIECE GOODS DRILLS. Registered Mar. 29, 1927. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Mar. 29, 1947. Class 42.

226,133. **M G.** PIECE GOODS SATINE. Registered Mar. 29, 1927. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Mar. 29, 1947. Class 42.

226,230. **"MARITIME" AND REPRESENTATION OF A SHIP.** WHEAT FLOUR. Registered Apr. 5, 1927. CANNON VALLEY MILLING COMPANY. Renewed April 5, 1947, to Cannon Valley Milling Company, Minneapolis, Minn., a corporation of Minnesota. Class 46.

226,251. **ADALOX.** ABRASIVE PAPERS AND CLOTHS. Registered Apr. 5, 1927. HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y. Renewed Apr. 5, 1947, to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Class 4.

226,258. **COUNTRY CLUB.** APPLE CIDER VINEGAR, SWEET-PEPPER RELISH, MARSHMALLOW CREME; DIXIE RELISH—NAMELY, A MUSTARD-SAUCE RELISH WITH GROUND ONIONS AND SPICES, AND CERTAIN OTHER NAMED FOOD PRODUCTS. Registered Apr. 5, 1927. THE KROGER GROCERY & BAKING CO. Renewed Apr. 5, 1947, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Class 46.

226,543. **LA BELLE AND DESIGN.** COMMERCIAL IRON AND STEEL PRODUCTS OF BESSEMER OR BASIC OPEN-HEARTH MELTING—NAMELY, PIG IRON, STEEL INGOTS, STEEL BLOOMS, STEEL SLABS, STEEL BILLETS, STEEL SHEET BARS, AND OTHER LIKE ITEMS. Registered Apr. 12, 1927. WHEELING STEEL CORPORATION, Wheeling, W. Va., a corporation of Delaware. Renewed Apr. 12, 1947. Class 14.

226,579. **"THE WISE CRACKER" AND DESIGN.** MONTHLY PUBLICATION FOR THE BISCUIT AND CRACKER TRADE. Registered Apr. 12, 1927. THE NULOMOLINE COMPANY, New York, N. Y., a corporation of New York. Renewed Apr. 12, 1947. Class 38.

226,659. **"NEWARK P. & P. P. COMPANY" AND DESIGN.** WAXED PAPER. Registered Apr. 19, 1927. NEWARK PARAFFINE & PARCHMENT PAPER CO., New York, N. Y. Renewed Apr. 19, 1947, to Newark Paraffine & Parchment Paper Co., Newark, N. J., a corporation of New Jersey. Class 37.

226,702. **CENTRAL.** SPRINKLERS AND VALVES IN AUTOMATIC FIRE-EXTINGUISHING SYSTEMS. Registered Apr. 19, 1927. CENTRAL AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa. Renewed Apr. 19, 1947, to Central Automatic Sprinkler Company, Lansdale, Pa., a corporation of Pennsylvania. Class 23.

226,703. **CNT'L.** SPRINKLERS AND VALVES IN AUTOMATIC FIRE-EXTINGUISHING SYSTEMS. Registered Apr. 19, 1927. CENTRAL AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa. Renewed Apr. 19, 1947, to Central Automatic Sprinkler Company, Lansdale, Pa., a corporation of Pennsylvania. Class 23.

226,810. **NPL.** GLASS FLASKS. Registered Apr. 19, 1927. THE IMPERIAL TRUST FOR THE ENCOURAGEMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, London, England, a company organized under the laws of Great Britain. Renewed Apr. 19, 1947. Class 33.

226,864. **QP.** PACKING FOR STUFFING BOXES. Registered Apr. 19, 1927. THE Q-P SIGNAL COMPANY. Renewed Apr. 19, 1947, to The Q-P Manufacturing Company, Needham Heights, Mass., a corporation of Massachusetts. Class 35.

226,947. **4-R.** READY MIXED VARNISHES. Registered Apr. 26, 1927, to Geo. D. Wetherill & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Apr. 26, 1947. Class 16.

227,085. **E-Z.** PAPER BAGS. Registered Apr. 26, 1927. E-Z OPENER BAG COMPANY, Decatur, Ill. Renewed Apr. 26, 1947, to Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware. Class 2.

227,096. **"HEALTHGLOW" AND PICTORIAL REPRESENTATION.** TOILET SOAP. Registered Apr. 26, 1927. JAMES S. KIRK & COMPANY, Chicago, Ill. Renewed Apr. 26, 1947, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Class 4.

227,192. **SAN-I-TOY.** BABY RATTLES, DOLLS, DOLL TOILET SETS, TOY BOOKS, AND TOY BANKS. Registered May 3, 1927. ZADEK FELDSTEIN CO., INC., New York, N. Y., a corporation of New York. Renewed May 3, 1947. Classes 22 and 38.

227,197. **RYOLA.** BREAD. Registered May 3, 1927. RYOLA HEALTH BREAD COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed May 3, 1947. Class 46.

227,251. **"BLIMP CHEWING GUM THE LARGEST IN THE WORLD" AND BLIMP DESIGN.** CHEWING GUM. Registered May 3, 1927. FRANK H. FLEER CORPORATION, Philadelphia, Pa., a corporation of Delaware. Renewed May 3, 1947. Class 46.

227,261. **HAMILTON.** WOOLEN FELTS AND WOOLEN BLANKETS. Registered May 3, 1927. SHULER & BENNINGHOFEN, Hamilton, Ohio, a partnership. Renewed May 3, 1947. Class 42.

227,272. **"ALL NATURE'S GOODNESS".** LARDS, CREAMERY BUTTER, HAMS, BACON, SHOULDERS, SAUSAGE, PORK ROLL, DRIED BEEF, NOT CANNED; CHEESE AND LARD COMPOUND MADE FROM COTTONSEED AND OTHER OILS. Registered May 3, 1927. THE WILLIAM SCHLUDERBERG-T. J. KURDLE COMPANY, Baltimore, Md., a corporation of Maryland. Renewed May 3, 1947. Class 46.

227,273. **LET ESSKAY BE YOUR GUARANTEE.** LARDS, CREAMERY BUTTER, FRESH AND SMOKED HAMS, BACON, SHOULDERS, AND SAUSAGE, ALSO PORK ROLL, AND DRIED BEEF, CHEESE, AND LARD COMPOUND MADE FROM COTTONSEED AND OTHER OILS. Registered May 3, 1927. THE WILLIAM SCHLUDERBERG-T. J. KURDLE COMPANY, Baltimore, Md., a corporation of Maryland. Renewed May 3, 1947. Class 46.

227,274. **ESSKAY QUALITY.** LARDS, CREAMERY BUTTER, FRESH AND SMOKED HAMS, BACON, SHOULDERS, AND SAUSAGE, PORK ROLL, DRIED BEEF, CHEESE, AND LARD COMPOUND MADE FROM COTTONSEED AND OTHER OILS. Registered May 3, 1927. THE WILLIAM SCHLUDERBERG-T. J. KURDLE COMPANY, Baltimore, Md., a corporation of Maryland. Renewed May 3, 1947. Class 46.

227,404. **MARVALO.** MEDICINES FOR TREATMENT OF CANCER, PILES, RHEUMATISM, STOMACH TROUBLE, AND FOR THE RELIEF OF PAIN. Registered May 3, 1927. JOSEPH KROLOPP, Youngstown, Ohio. Renewed May 3, 1947, to Joseph Krolopp, Milwaukee, Wis. Class 6.

227,406. **THE DIAPASON.** MONTHLY MAGAZINE. Registered May 3, 1927. SIEGFRIED E. GRUENSTEIN, Chicago, Ill. Renewed May 3, 1947. Class 38.

227,573. **FLORENCE.** VARNISHES AND PAINT ENAMELS. Registered May 10, 1927. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 10, 1947. Class 16.

227,591. **"PHONO HI-STRENGTH".** BARE OR UNCOVERED METALLIC WIRE AND METALLIC RODS. Registered May 10, 1927. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 10, 1947. Class 14.

227,595. **"THE L & A CO. FOOT FRIEND" AND DESIGN.** LEATHER BOOTS AND SHOES. Registered May 10, 1927. THE JULIAN & KOKENGE COMPANY, Cincinnati, Ohio. Renewed May 10, 1947, to The Julian & Kokenge Company, Columbus, Ohio, a corporation of Ohio. Class 39.

227,639. **"H. C. SCHRANCK CO." ETC. AND DIAMOND SHAPED DESIGN.** EXTRACTS, SIRUPS, AND CONCENTRATES FOR MAKING NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered May 10, 1927. H. C. SCHRANCK COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed May 10, 1947. Class 45.

227,652. **KLYDONOGRAPH.** INSTRUMENTS FOR MEASURING AND RECORDING VOLTAGE SURGES. Registered May 10, 1927. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed May 10, 1947, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 26.

227,729. **BETTER MAID.** BAKING POWDER. Registered May 17, 1927. LEWIS R. DONELSON, JR. Renewed May 17, 1947, to Donelson & Poston, Memphis, Tenn., a firm. Class 46.

227,757. **"PARASOL" AND REPRESENTATION OF A PARASOL.** WHEAT FLOUR. Registered May 17, 1927. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Renewed May 17, 1947. Class 46.

227,873. **THE PHOTO-ENGRAVERS BULLETIN.** MONTHLY PUBLICATION. Registered May 17, 1927. AMERICAN PHOTO-ENGRAVERS ASSOCIATION, Chicago, Ill., an unincorporated association of Illinois. Renewed May 17, 1947. Class 38.

227,887. **KICK OFF.** FRESH CITROUS FRUITS. Registered May 17, 1927. CHARLES TREAT PAINE. Renewed May 17, 1947, to Elephant Orchards, Redlands, Calif., a corporation of California. Class 46.

227,988. **176.** STAPLES FOR USE IN STAPLING TOGETHER SHEETS OF PAPER, FIBER, CARDBOARD, AND LIKE MATERIALS, AND FOR STAPLING BOARDS TOGETHER IN THE MANUFACTURE OF BOXES AND OTHER ARTICLES. Registered May 17, 1927. MARKWELL MFG. CO., INC., New York, N. Y., a corporation of New York. Renewed May 17, 1947. Class 13.

228,126. **SKIPULTER.** CONVEYERS FOR CEMENT CLINKER AND THE LIKE. Registered May 24, 1927. F. L. SMIDTH & CO., New York, N. Y., a corporation of New Jersey. Renewed May 24, 1947. Class 23.

228,147. **PEP.** CEREAL BREAKFAST FOOD COMPOSED PRINCIPALLY OF BRAN. Registered May 24, 1927. KELLOGG COMPANY, Battle Creek, Mich., a corporation of Delaware. Renewed May 24, 1947. Class 46.

228,153. **BULL DOG.** DRY PASTE. Registered May 24, 1927. THE CHICAGO WHITE LEAD & OIL CO. Renewed May 24, 1947, to The Hooker Glass & Paint Mfg. Co., Chicago, Ill., a corporation of Illinois. Class 5.

228,154. **REPRESENTATION OF A BULL DOG.** DRY PASTE. Registered May 24, 1927. THE CHICAGO WHITE LEAD & OIL CO. Renewed May 24, 1947, to The Hooker Glass & Paint Mfg. Co., Chicago, Ill., a corporation of Illinois. Class 5.

228,156. **"SCHERING" AND DESIGN.** EXTIRPATING PREPARATIONS FOR INSECTS AND PLANTS, DISINFECTANTS, AND OTHER NAMED CHEMICALS. Registered May 24, 1927. CHEMISCHE FABRIK AUF ACTIEN, (VORM. E. SCHERING), Berlin, Germany. Renewed May 24, 1947, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey. Class 6.

228,217. **DOMESTIC.** SEWING MACHINES. Registered May 24, 1927. WHITE SEWING MACHINE CORPORATION, Cleveland, Ohio, a corporation of Delaware. Renewed May 24, 1947. Class 23.

228,244. **"V V PLANTATION" ETC. AND DESIGN.** MEDICINAL TONIC AND LIVER INVIGORATOR RECOMMENDED FOR THE TREATMENT OF CHILLS AND FEVER. Registered May 24, 1927. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Renewed May 24, 1947, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Class 6.

228,282. **"PABST MILWAUKEE B BLUE RIBBON" ETC. AND DESIGN.** A MALT BEVERAGE. Registered May 31, 1927. PABST CORPORATION, Milwaukee, Wis. Renewed May 31, 1947, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware. Class 48.

228,373. **EXPELLO.** CHEMICAL FOR CLEANING DRAINS AND SINKS. Registered May 31, 1927. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 31, 1947. Class 6.

228,411. **"PC" AND BLUE RIBBON DESIGN.** MALT BEVERAGE. Registered May 31, 1927. PABST CORPORATION, Milwaukee, Wis. Renewed May 31, 1947, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware. Class 48.

228,413. **"TAILORCRAFT".** LADIES' WEARING APPAREL COMPRISING PETTICOATS, PANTALETS, BLOOMERS, SLIPS, AND STEP-INS MADE OF SILK, COTTON, TEXTILE FABRICS, OR COMBINATIONS THEREOF. Registered May 31, 1927. STEINFELD BROS. INC. Renewed May 31, 1947, to Steinfeld Blouse & Sportswear Corporation, New York, N. Y., a corporation of New York. Class 39.

228,500. **"NACCO".** COAL, CARBONIZED FUEL, AND COKE. Registered June 7, 1927. THE NORTH AMERICAN COAL CORPORATION, Cleveland, Ohio, a corporation of Ohio. Renewed June 7, 1947. Class 1.

228,528. **TAPERTEX.** HOSIERY. Registered June 7, 1927. GOTHAM SILK HOSIERY COMPANY, INC. Renewed June 7, 1947, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Class 39.

228,592. **"CYMBALE TURQUE-A. ZILDJIAN & CIE" ETC. AND DRAWING.** CYMBALS. Registered June 7, 1927. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y., a corporation of New York. Renewed June 7, 1947. Class 36.

228,620. **JEMCO.** BRASSIÈRES. Registered June 7, 1927. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 7, 1947. Class 39.

228,643. **KITCHEN MAID.** IRONING BOARDS. Registered June 7, 1927. WASMUTH-ENDICOTT COMPANY. Renewed June 7, 1947, to The Kitchen Maid Corporation, Andrews, Ind., a corporation of Indiana. Class 24.

228,686. **"SHE SHALL HAVE MUSIC WHEREVER SHE GOES."** TALKING MACHINES AND RECORDS. Registered June 7, 1927. BARNETT SAMUEL AND SONS LIMITED, London, England. Renewed June 7, 1947, to Decca Records Inc., New York, N. Y., a corporation of New York. Class 36.

228,747. **LES CASCADES.** PERFUME AND TOILET WATER, TALCUM POWDER, FACE POWDER, TOOTH POWDER, BATH POWDER, BATH SALTS, TOOTH PASTE, SACHET, ALMOND MEAL, CREAM ROUGE, AND OTHER NAMED SIMILAR ARTICLES. Registered June 7, 1927. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed June 7, 1947. Class 6.

228,776. **KITCHEN MAID.** REFRIGERATORS. Registered June 7, 1927. WASMUTH-ENDICOTT COMPANY. Renewed June 7, 1947, to The Kitchen Maid Corporation, Andrews, Ind., a corporation of Indiana. Class 31.

228,925. **WEBCO.** INKING RIBBONS AND CARBON PAPER. Registered June 14, 1927. F. S. WEBSTER COMPANY, Boston, Mass. Renewed June 14, 1947, to F. S. Webster Company, Cambridge, Mass., a corporation of Massachusetts. Class 11.

229,166. **COUNTESS.** CAKE. Registered June 21, 1927. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 46.

229,167. **PROFILE REPRESENTATION OF A CROWNED WOMAN.** CAKE. Registered June 21, 1927. GENERAL BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 46.

229,171. **"LION" AND REPRESENTATION OF A LION.** DATES. Registered June 21, 1927. THE HILLS BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed June 21, 1947. Class 46.

229,188. **CLUB GREEN.** LAWN-GRASS SEEDS. Registered June 21, 1927. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1947. Class 1.

229,199. **INERTAIRE.** ELECTRICAL TRANSFORMERS AND EQUIPMENT THEREFOR. Registered June 21, 1927. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. Renewed June 21, 1947, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Class 21.

229,229. **KITCHEN MAID.** KITCHEN CABINETS, CHINA CABINETS, WALL CABINETS OF THE PORTABLE TYPE, TABLES SUITABLE FOR HOUSEHOLD USE, CHAIRS SUITABLE FOR HOUSEHOLD USE, BENCHES, AND OTHER NAMED ARTICLES OF CABINET FURNITURE. Registered June 21, 1927. WASMUTH-ENDICOTT COMPANY Renewed June 21, 1947, to The Kitchen Maid Corporation, Andrews, Ind., a corporation of Indiana. Class 32.

229,272. **KEM.** WIRE TERMINALS AND CABLES. Registered June 21, 1927. K-E-M Manufacturing & Sales Co. Renewed June 21, 1947, to Kem Manufacturing Co., Inc., New York, N. Y., a corporation of New York. Class 21.

229,548. **SKOOKUM.** JAMS, JELLIES, FRUIT BUTTERS, CANNED FRUITS, AND CANNED VEGETABLES. Registered June 28, 1927. PACIFIC NORTHWEST CANNING COMPANY, Puyallup, Wash. Renewed June 28, 1947, to Dwight Paulhamus, San Francisco, Calif. Class 46.

229,646. **DREDNOT.** SHOVELS, SPADES, AND SCOOPS. Registered July 5, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Renewed July 5, 1947, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

229,652. **DAY BY DAY.** DIARIES. Registered July 5, 1927. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 5, 1947. Class 37.

229,665. **"OAK" AND REPRESENTATION OF AN OAK TREE ETC.** PAPER BAGS. Registered July 5, 1927. E-Z OPENER BAG COMPANY, Decatur, Ill. Renewed July 5, 1947, to Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware. Class 2.

229,709. **MOUNTAIN BROOK.** BOND PAPER. Registered July 5, 1927. PARAMOUNT PAPER AND SPECIALTY COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 5, 1947. Class 37.

229,756. **VISIONALL.** WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. Registered July 5, 1927. TRICO PRODUCTS CORPORATION, Buffalo, N. Y., a corporation of New York. Renewed July 5, 1947. Class 29.

229,816. **THERMOS.** BOTTLES, JARS, DECANTERS, CARAFES, HIP FLASKS, COFFEE POTS, TEAPOTS, JUGS, LUNCH KITS, LUNCH BOXES, CARRYING CASES FOR BOTTLES, AND DOUBLE-WALLED VACUUM FILLERS OF GLASS USED IN BOTTLES, JARS, CARAFES, JUGS, DECANTERS, COFFEEPOTS, AND TEAPOTS. Registered July 5, 1927. THE AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn., a corporation of Ohio. Renewed July 5, 1947. Class 2.

229,817. **OLD TIME.** MINCE MEAT. Registered July 5, 1927. OLD TIME MINCE MEAT CORPORATION, Syracuse, N. Y. Renewed July 5, 1947, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

229,845. **BROMIONYL.** EFFERVESCENT SALT FOR THE TREATMENT OF NERVOUS DISORDERS. Registered July 5, 1927. THE UPJOHN COMPANY, Kalamazoo, Mich., a corporation of Michigan. Renewed July 5, 1947. Class 6.

229,925. **GOLD RIBBON.** SHOVELS, SPADES, AND SCOOPS. Registered July 12, 1927. AMES SHOVEL AND TOOL COMPANY, Boston, Mass. Renewed July 12, 1947, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. Class 23.

229,964. **"WARNER HI-FLEX TRANSMISSION" AND TRIANGULAR DESIGN.** AUTOMOBILE TRANSMISSIONS. Registered July 12, 1927. WARNER GEAR COMPANY, Muncie, Ind. Renewed July 12, 1947, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Class 23.

229,966. **PEBECO.** TOOTH PASTE. Registered July 12, 1927. LEHN & FINK, INC., New York, N. Y. Renewed July 12, 1947, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. Class 6.

230,018. **"COLGATE'S REFILL SHAVING STICK FOR THE HANDY GRIP" ETC. AND DESIGNS.** SHAVING SOAP AND SHAVING STICKS. Registered July 12, 1927. COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Renewed July 12, 1947, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

230,043. **AMALGITE.** ABRASIVE PAPERS AND CLOTHS. Registered July 12, 1927. HERMAN BEHR & COMPANY, INCORPORATED, Brooklyn, N. Y. Renewed July 12, 1947, to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts. Class 4.

230,059. **ALURATE.** MEDICINAL PREPARATION RECOMMENDED FOR USE AS A SEDATIVE AND HYPNOTIC. Registered July 12, 1927. THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y. Renewed July 12, 1947, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. Class 6.

230,078. **"TRICO VISIONALL" AND DESIGN.** WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE. Registered July 12, 1927. TRICO PRODUCTS CORPORATION, Buffalo, N. Y., a corporation of New York. Renewed July 12, 1947. Class 29.

230,087. **LITTLE MILLIONAIRE ETC. AND REPRESENTATION OF A SMALL BOY AT A BANK CAGE.** WHEAT FLOUR. Registered July 12, 1927. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, a corporation of Ohio. Renewed July 12, 1947. Class 46.

230,122. **FORMOHYDRION.** MEDICINAL PREPARATIONS FOR THE TREATMENT OF GENITO-URINARY DISORDERS. Registered July 12, 1927. THE UPJOHN COMPANY, Kalamazoo, Mich., a corporation of Michigan. Renewed July 12, 1947. Class 6.

230,150. **BATES.** INDEX DEVICES—NAMELY, TELEPHONE INDEXES, RADIO INDEXES, SPECIAL LISTING INDEXES AND INDEX STRIPS, MEMORANDUM PADS, HAND PERFORATORS OR PUNCHES AND CERTAIN OTHER NAMED EYELET MATERIAL. Registered July 12, 1927. THE BATES MANUFACTURING COMPANY, Orange, N. J. Renewed July 12, 1947, to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey. Class 37.

230,243. **PLASTOBRIX.** PLASTIC FIREBRICK. Registered July 19, 1927. KEYSTONE REFRACTORIES COMPANY, New York, N. Y. Renewed July 19, 1947, to Keystone Refractories Company, New York, N. Y., and Jersey City, N. J., a corporation of New Jersey. Class 12.

230,250. **DUO-PURE.** VICHY. Registered July 19, 1927. THE QUEEN CITY BOTTLING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed July 19, 1947. Class 6.

230,324. **CIRCLES A DESIGN.** CORK MATERIAL FOR USE IN THE MANUFACTURE OF SLIP INSOLES, BOX TOES FOR SHOES OR SIMILAR PRODUCTS. Registered July 19, 1927. ARMSTRONG CORK COMPANY, Lancaster, Pa., a corporation of Pennsylvania. Renewed July 19, 1947. Class 50.

230,335. **TRIBOUT.** LADIES' HAND BAGS. Registered July 19, 1927. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 19, 1947. Class 3.

230,364. **UNAX.** CLINKER COOLERS FOR ROTARY CEMENT KILNS. Registered July 19, 1927. F. L. SMIDTH & CO., New York, N. Y., a corporation of New Jersey. Renewed July 19, 1947. Class 23.

230,366. **SANICOT.** SANITARY NAPKINS. Registered July 19, 1927. THE VENUS CORPORATION, New York, N. Y., a corporation of New York. Renewed July 19, 1947. Class 44.

230,386. **SPORTBOY.** HANDKERCHIEFS. Registered July 19, 1927. THE ACHESON HARDEN CO. Renewed July 19, 1947, to The Acheson Harden Company, New York, N. Y., a corporation of New Jersey. Class 39.

REISSUES

AUGUST 26, 1947

22,909
ANTIOXIDANT

Warren M. Smith, Baton Rouge, La., and Carroll J. Wilson, Norwalk, Conn., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original No. 2,358,833, dated September 26, 1944, Serial No. 411,694, September 20, 1941. Application for reissue December 30, 1944, Serial No. 570,566

4 Claims. (Cl. 252—52)

1. A composition consisting essentially of a hydrocarbon material subject to deterioration by atmospheric oxygen, having incorporated therein a small amount, sufficient to substantially inhibit such deterioration, of a product having an aldehyde group, formed by first reacting p-cresol with isobutene in the presence of a catalytic amount of sulfuric acid of about 96% concentration at a temperature of about 70° C., the quantities of p-cresol and isobutene being such and the reaction being carried to such point that a product having a molecular weight of about 220 and an approximate empirical formula of $C_{15}H_{24}O$ results, then submitting the product thus formed to an aldehydic oxidation reaction by contacting the same with an alkali dichromate solution in the presence of sulfuric acid and at a temperature of about 70° to 80° C.

PLANT PATENTS

GRANTED AUGUST 26, 1947

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

754
LILAC PLANT

Walter Bosworth Clarke, San Jose, Calif., assignor to W. B. Clarke & Co., San Jose, Calif., a partnership

Application August 7, 1946, Serial No. 689,037

1 Claim. (Cl. 47—60)

A new and distinct variety of *Syringa vulgaris* plant, substantially as described, being characterized by the progressively changing and distinctive colors appearing during its different stages of development; by the enormous size both of the individual floret and the panicle; by its large green leaves and superior keeping qualities.

755
ROSE PLANT

John T. Hildebrandt, Melrose Park, Ill., assignor to Albert F. Amling Co., Maywood, Ill., a corporation of Illinois

Application June 19, 1946, Serial No. 677,652

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, substantially as described, being characterized by the rich Tyrian Rose coloring of its flowers; their fragrance; their abundant double petalage; superior keeping qualities; their stiff, stout stems; and its continuous and free blooming habit and luxuriant foliage.

756
PHLOX PLANT

Jacques L. Legendre, Wachapreague, Va.

Application September 18, 1946, Serial No. 697,696

1 Claim. (Cl. 47—60)

The new and distinct variety of phlox plant, substantially as herein shown and described, characterized particularly by its exceptional resistance to disease; its strong compact growth; its prolific blooming habit; its production of many lateral flower stems; its long blooming season; and its large trusses of very large individual florets having the novel color combination of bright Rhodamine Purple on the upper surface and silvery pink on the under surface.

PATENTS

GRANTED AUGUST 26, 1947

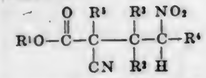
2,426,158

ALIPHATIC NITRO DERIVATIVES OF CYANOACETIC ESTERS AND METHOD FOR PREPARING THEM

Carl T. Bahner, Jefferson City, Tenn.

No Drawing. Application June 13, 1945, Serial No. 599,304
11 Claims. (Cl. 260—464)

1. As new compositions of matter the substituted cyanoacetic esters having the following structural formula:



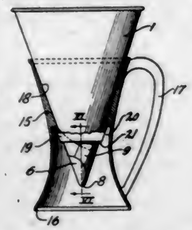
wherein R^1 represents a lower alkyl group, and R^2, R^3, R^4, and R^5 are members selected from the group consisting of hydrogen and lower alkyl radicals.

2,426,159

METHOD OF MAKING PAPER CUPS

Cesare Barbieri, New York, N. Y., assignor to Dixie Cup Company, a corporation of Delaware

Original application June 12, 1942, Serial No. 446,698. Divided and this application March 8, 1943, Serial No. 478,338
5 Claims. (Cl. 93—36.1)



1. The method of making a paper cup carrying a latching tab, including the steps of cutting a blank for forming into a cup, feeding a web of material separate from the blank stock, knurling one face of said web to give it a permanent curvature, cutting a tab from said knurled web, applying adhesive to a portion only of said tab, securing that portion of the tab to the blank, and forming a cup from the blank carrying the tab so that the free portion of the tab projects outwardly from the body of the formed cup.

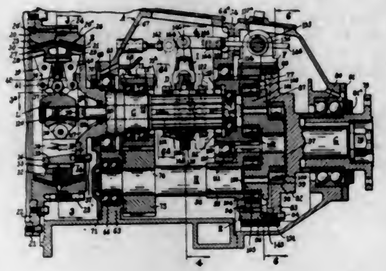
2,426,160

TRANSMISSION MECHANISM

John O. Berndtson, Short Beach, Conn., assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn., a corporation of Connecticut

Application March 26, 1943, Serial No. 480,626
21 Claims. (Cl. 192—3.5)

1. In a transmission mechanism, the combination of a drive shaft, a driven shaft, a clutch for controlling the operation of the drive shaft, operating means for the clutch, braking means for the driven shaft, selectively operable gear means for interconnecting said shafts for forward or reverse drive including a shiftable member movable axially of the drive shaft, an operating element for said shiftable member, means connecting said operating element with said braking means, and means for connecting said



operating element with said clutch operating means, said clutch operating means including a camming element movable axially of the driving shaft.

2,426,161

NASAL DEVICE

Joseph B. Biederman, Cincinnati, Ohio

Application March 2, 1945, Serial No. 580,631
3 Claims. (Cl. 128—148)



1. In a nasal device the combination of a pair of nasal filter devices, a detachable U-shaped link for securing said filtering devices to one another in spaced apart relation, the free ends of the respective legs of said link being provided with resilient hooks adapted to engage over the edges of the respective filtering devices, and shoulders on said legs disposed to engage edges of said filtering devices opposite said hooks whereby said link is adjustable longitudinally of said filtering devices and said filtering devices are prevented from rotary movement with respect to said link.

2,426,162

1-METHYLOLCYCLOHEXYL-CYCLOHEXYL CARBINOL DIACETATE

Joseph E. Bludworth and Donald P. Easter, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Original application January 22, 1944, Serial No. 519,352. Divided and this application December 18, 1944, Serial No. 568,784
1 Claim. (Cl. 260—488)

1-methylolcyclohexyl-cyclohexyl-carbinol diacetate.

2,426,163

LIGHT REFLECTING SIGN

Jack J. Booth, Dallas, Tex.

Application April 19, 1943, Serial No. 483,595
3 Claims. (Cl. 40—130)



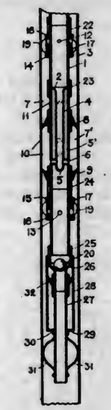
1. In a traffic signal, the combination comprising a substantially triangular casing having two sides disposed at relative right angles consisting of light accumulating and dispersing glass, a reflecting surface on the third side of said casing, a legend consisting of opaque letters suspended vertically over but spaced outwardly from each of the glass sides of said casing to cause said letters to appear darker against the illuminated background and whereby the light from a source confronted by one legend will filter thereunder to be diffused by the adjacent glass, reflected by said reflecting surface and become visible through the companion glass to silhouette the legend thereover.

2,426,164

CEMENTING TOOL FOR OIL WELLS

Christian W. Breukelman, Trinidad, British West Indies

Application December 29, 1943, Serial No. 516,009
3 Claims. (Cl. 166—11)



1. A cementing tool for oil wells comprising a tubing constructed to be placed in a casing of a well, the tubing being of a substantially smaller diameter than the casing; a tubular member of a still smaller diameter within the tubing, the upper end of the tubular member communicating with the tubing and being flared-out and attached to the inner wall of the tubing, forming a seal between the tubular member and the tubing; a check valve closing the lower end of the tubing against downward flow of fluid; the lower end of the tubular member being closed to communication with the tubing; tubular ducts connecting the tubular member with the outside of the tubing; sealing swabs on the tubing above and below the outer openings of the tubular ducts, said swabs being spaced apart a distance greater than the length of that portion of the casing occupied by holes to be cemented; the tubing having permanently open ports above the sealing swabs and below the flared-out end of the tubular member, and having additional ports above and below the sealing swabs; sleeves slidably supported on the tubing for closing said additional ports; frictional members extending from the sleeves and engaging the inner wall of the casing for retaining the sleeves stationary when the tubing is moved; the said additional ports above th swabs being also above the flared-out end of the tubular member, the sleeves being adapted to close said additional ports when the tubing is moved downwardly, and to open said additional ports when the tubing is moved upwardly; an enlarged tube depending from the lower end of the tubing; a sliding tube in the enlarged tube and extending through the lower end of the enlarged tube; a sealing swab at the upper end of the sliding tube engaging the inside walls of the enlarged tube; means on the outwardly extending portion of the sliding tube for frictionally engaging the inner surface of the casing; and means to limit the movements of the sliding tube in the enlarged tube, the distance of movement of the sliding tube being comparable to the distance of movement of the tubing for opening the ports, the check valve being arranged to be opened by inwardly flowing well fluid when lowering the tool for admitting the fluid from the well into the tubing, the well fluid flowing outwardly through said permanently open ports into the casing.

2,426,165

VULCANIZATE OF COPOLYMER OF BUTADIENE AND STYRENE HAVING DISPERSED THEREIN PARACOUMARONE RESIN AND FILLER

Theodore A. Bulifant, Hackensack, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 10, 1944, Serial No. 521,847
7 Claims. (Cl. 260—41)

1. A process of making vulcanizates of vulcanizable butadiene styrene copolymer which comprises compounding the copolymer with vulcanizing agent, paracoumarone resin of a melting point of at least 75° C. and filler containing from 50% to 80% of barium sulfate and from 20% to 50% of zinc sulfide by weight, at least 90% of which is of a particle size not exceeding 15 microns, said copolymer, paracoumarone resin and filler being compounded in proportions of from 15 to 30 parts by weight of the resin to 100 parts by weight of the copolymer and from 20 to 60 parts by volume of the filler to 100 parts by volume of the copolymer, and vulcanizing the resultant compound to a resilient vulcanizate.

2,426,166

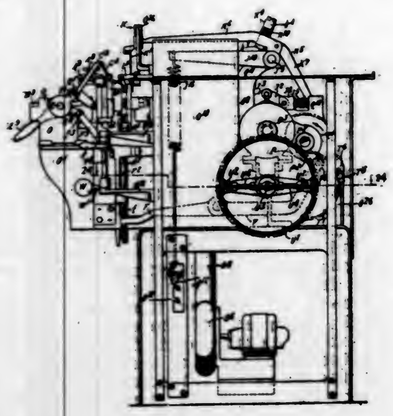
SLUG CASTING MACHINE USING A HAND STICK

Harold A. Burt, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application July 16, 1942, Serial No. 451,165
27 Claims. (Cl. 199—1)

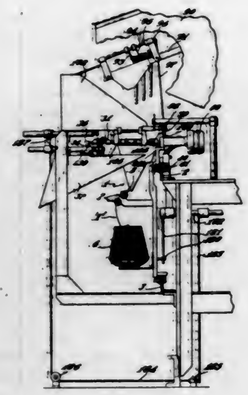
1. In a slug casting machine having a casting station, an ejecting station and an intermediate

mold rest station, the combination of a horizontally reciprocable mold adapted during each machine cycle of operation to be moved, first in one direction to the casting station, then in the oppo-



site direction to the ejecting station, and finally to the intermediate rest station and time-controlled means for effecting such movements of the mold.

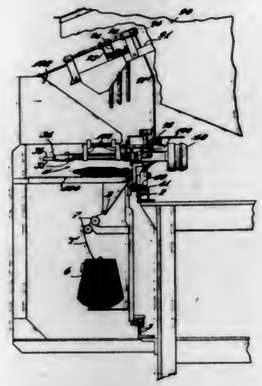
2,426,157
WINDING MACHINE
Edward J. Abbott and Winthrop L. Perry, Wilton, N. H., assignors to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application October 28, 1944, Serial No. 560,736
65 Claims. (Cl. 242—32)



1. In an automatic winding machine the combination of means including a center for holding a rotatable winding bobbin, elements adapted to clamp the thread between them, means for causing said elements to clamp the thread, and means effective after clamping the thread for moving said elements and the thread clamped between them from one side of said center to another generally opposite side of said center.

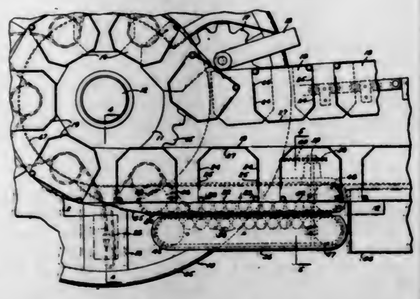
2,426,168
WINDING MACHINE
Edward J. Abbott and Winthrop L. Perry, Wilton, N. H., assignors to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application October 28, 1944, Serial No. 560,737
41 Claims. (Cl. 242—32)

1. An automatic winding machine comprising means for rotatably holding a winding bobbin, a thread guide having during winding a path of movement located on the same side of the bobbin from which the thread runs in approaching the thread guide, means for discharging the bobbin from said holding means, means for supplying a fresh bobbin to said holding means, a clamp



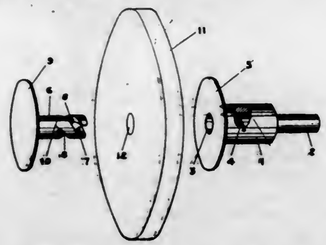
engageable with a portion of the thread extending from the thread guide to the wound bobbin, and means for moving the clamp and clamped thread from the side of said holding means at which the thread guide has its said path of movement to another generally opposite side of said holding means.

2,426,169
CONVEYOR AND UNLOADING APPARATUS
Robert T. Adams, Baltimore, Md., and Julius A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,416
9 Claims. (Cl. 198—185)



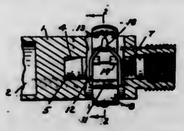
2. A cord conveyor and unloader comprising a link chain, means for driving said chain, pans on said chain for receiving coiled lengths of cordage and carrying each length with an end portion extending from the pan, and a pair of belts driven at a high speed relative to the speed of the drive means for the chain and positioned relative to the link chain to engage the end portions of said lengths of cordage for withdrawing lengths of cordage from the pans.

2,426,170
GRINDING WHEEL ARBOR
Raymond F. Akers, San Diego, Calif.
Application January 28, 1946, Serial No. 643,950
4 Claims. (Cl. 51—168)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus of the character described, in combination, a drive shaft, arranged to be connected with a prime mover, having a round axial bore in an end thereof, a pin mounted transversely thereof and passing across the center of said bore, and an enlarged head portion positioned about said end, together with a driven shaft having an axially bored end portion receivable in the bore in said drive shaft and extending past the pin mounted therein, the said end portion on said driven shaft having a pair of opposed helical slots cut in from the said end which receive said pin and, on relative rotation of one shaft to the other, guide the pin into position against opposed bottom portions of said slots, said driven shaft also having an enlargement thereon at a position spaced from said head portion on said driven shaft when the said pin is positioned against the opposed slot bottoms.

2,426,171
PROTECTIVE DEVICE FOR ROCKET COMPONENTS
Robert M. Alverson, Arlington, Va.
Application September 28, 1944, Serial No. 556,245
2 Claims. (Cl. 102—81.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the character described adapted for attachment to a cylindrical missile component having an aperture for the reception of an arming-pin, comprising a band adapted for attachment to said component and formed of two arcuate sections of resilient material hinged together, a disc of compressible waterproof material carried by one section and an arming-pin carried by the other for reception in said aperture, a washer of compressible material surrounding the pin, said disc and washer being adapted to be compressed between the band and said component to seal the aperture in the missile component when the band is tightened and locked on said component, and means for tightening and locking said band.

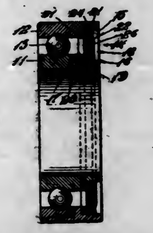
2,426,172
FLUORINATION OF UNSATURATED COMPOUNDS
Anthony F. Benning, Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 12, 1942, Serial No. 442,962
3 Claims. (Cl. 260—653)

3. The process of preparing a halogenated ethane in which at least two halogen atoms are fluorine which comprises reacting a halogenated ethylene containing at least three halogen atoms from the group consisting of fluorine and chlorine, with antimony pentafluoride at temperatures of from room temperature to 98° C., the halogenated ethylene and the antimony pentafluoride being the sole reactants, and separating the halogenated ethane.

2,426,173
SELENIUM COATING BY IMMERSION
Mortimer C. Bloom, Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1942, Serial No. 467,561
4 Claims. (Cl. 117—130)

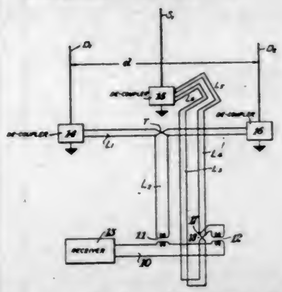
1. The method of coating a carbon base element with metallic selenium which comprises treating the element with an alkaline selenide solution.

2,426,174
SEAL
Frank Bottomley, Barrington, R. I., assignor to Sealol Corporation, a corporation of Rhode Island
Application August 22, 1944, Serial No. 550,607
8 Claims. (Cl. 286—11)



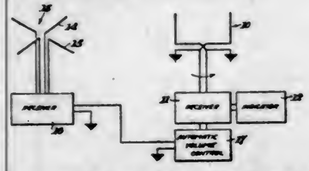
1. In a fluid sealing device for relatively rotating parts, one of said parts having a holding groove and the other a sealing face in a plane at right angles to the axis of rotation, a member engaging said holding groove and extending radially from that part toward the other part, and a member of rubber-like material radially disposed between said parts having a sealing surface on one side thereof to engage said sealing face and provided with projections on the opposite side thereof and extending axially toward the other member to provide localized points of engagement with the other member, one of said projections being in axial alignment with the sealing face and the other adjacent said groove.

2,426,175
DIRECTION FINDER
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application December 11, 1942, Serial No. 468,668
6 Claims. (Cl. 250—11)



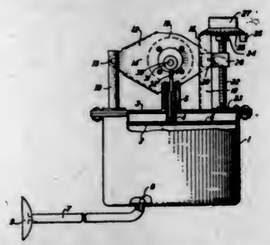
1. In a direction finder of the type having two spaced antenna means coupled together in phase opposition to provide a directional antenna, a translator, a transmission line coupling said directional antenna system to said translator, an omni-directional sensing antenna, and a second transmission line for coupling said omni-directional antenna to said translator, the combination of means for assuring in-phase relationship between energy from said omni-directional antenna and from said directional antenna system in said translator device, comprising a pair of conductor lines forming at least a part of one of said transmission lines intermediate one of said antennae and said translator, said conductor lines differing in length, and being coupled together co-phasally at their ends arranged nearest said one antenna and in phase opposition at their ends remote from said one antenna, the combined electrical lengths of the transmission line including said pair of conductor lines as measured from said one antenna to said translator along both conductor lines of said pair being substantially equal to twice the length of the transmission line between the other antenna and said translator.

2,426,176
DIRECTION FINDER
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 22, 1943, Serial No. 473,181
8 Claims. (Cl. 250—11)



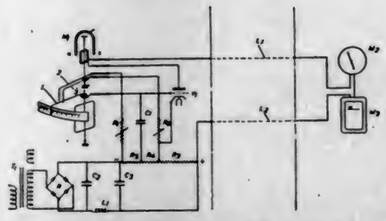
8. A direction finder system comprising directive means for receiving energy polarized in a first given plane, indicator means for producing a direction indication in response to said received energy, means for receiving energy polarized in a second plane normal to said first plane, and means responsive to said energy polarized in said second plane for cutting off energy from said indicator means whenever received energy polarized in said second plane exceeds a predetermined level.

2,426,177
ELECTRICAL RESONATOR
Carl P. Carlson, Tenafly, Roy W. Chesnut, Upper Montclair, and Alfred D. Knowlton, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1944, Serial No. 539,668
5 Claims. (Cl. 178—44)



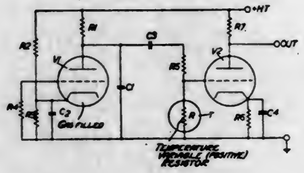
1. An electrical resonance chamber having electrically conducting boundary surfaces, a movable tuning element therein, a motor connected in mechanical driving relation to the tuning element, a structure physically connected to the exterior of the chamber to support the motor, the supporting structure comprising two broad flat plate elements structurally connected to each other with their principal planes perpendicular to each other and to the external surface of the chamber to which the structure is connected whereby deflection of the motor laterally in either plane or to or from the chamber is resisted, and means on the structure for adjusting the position of the motor toward or away from the chamber.

2,426,178
INTELLIGENCE REPRODUCING SYSTEM
Cyril Herbert Chambers, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 16, 1944, Serial No. 554,366
In Great Britain September 28, 1943
2 Claims. (Cl. 177—351)



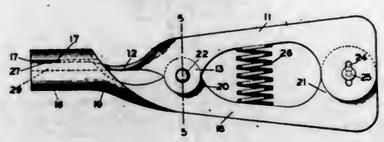
1. An arrangement for repeating at a distance the position of a pointer, comprising a follow-up device adapted to be moved by a measuring instrument, a thermionic valve having an anode, a cathode, and a grid, an anode circuit connected to said anode, a cathode circuit connected to said cathode, and a grid circuit connected to said grid, said instrument being connected in series in said anode circuit with one or more distant measuring instruments, a condenser connected between said grid and a point on said cathode circuit having a negative voltage with respect to said cathode, circuits operatively connected to said follow-up device for charging said condenser in opposite directions completed by relative movement in respectively opposite directions between said pointer and said follow-up device, and a means for breaking said charging circuits upon said follow-up device attaining a position corresponding to that of said pointer.

2,426,179
ELECTRICAL RELAXATION OSCILLATOR
Prafulla Kumar Chatterjea and Dermot Min Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 10, 1943, Serial No. 490,284
In Great Britain June 19, 1942
7 Claims. (Cl. 250—36)



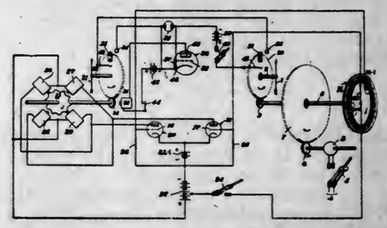
1. Signal wave source comprising means for generating a saw tooth wave, means for translating said wave having input terminals and means for changing the shape of said saw tooth wave comprising a resistor and a temperature variable resistor, said resistor being in series with said generating means, means for coupling said temperature variable resistor to said generating means and means for coupling said input terminals to said temperature variable resistor, said temperature variable resistor having a variable resistance which changes progressively in the same direction during each voltage rise of said voltage wave.

2,426,180
CAN KEY
Harold A. Davis, Belleville, Mich.
Application January 25, 1946, Serial No. 643,239
7 Claims. (Cl. 220—52)



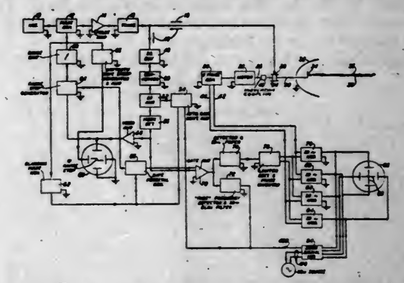
4. A can opener key device comprising a first body member formed with a first forward jaw portion, a second body member formed with a second forward jaw portion, said body members being pivotally connected together at their intermediate portions and slidably connected together at their rear portion, the first jaw portion being disposed adjacent said second jaw portion, a spring secured between said body members biasing said jaw portions apart, said spring being located rearwardly of the pivotal connection between the body members, and a sleeve carried by one of the jaw portions and encircling the other jaw portion, said sleeve being formed with a longitudinal slot opening at the forward edge of the sleeve, said slot being located in a plane between the planes of the jaw portions when said jaw portions are in their normal positions.

2,426,181
APPARATUS FOR PHASE AND SYNCHRONISM CONTROL
Gerald Deakin, New York, N. Y., and Henry F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 17, 1944, Serial No. 545,332
20 Claims. (Cl. 172—293)



19. In apparatus of the character described, the combination of, a commutator device having a plurality of equally spaced segments and a moving contactor which engages said segments serially thereby to complete electrical circuits therethrough, means to rotate said moving contactor of the commutator device, an electric motor comprising two sets of electromagnets each set of which is formed by a plurality of electromagnets with the electromagnets of the two sets being positioned alternately around an annular magnetic zone and an armature having a plurality of spaced pole pieces rotatably mounted to move around said magnetic zone and to pass said electromagnets in succession, a pair of electronic devices associated respectively with said sets of electromagnets and each having a controlled circuit through which current flows to said electromagnets and each having a control electrode, means constituting a source of power connected to said electronic devices, and circuit means connecting alternate segments of said commutator device to one of the control electrodes and connecting the other segments to the other control electrode, whereby the rotation of said moving contactor causes said control electrodes to be biased alternately with the result that current flows to one set of said electromagnets and then the other and said sets of electromagnets all alternately energized so that said armature is rotated.

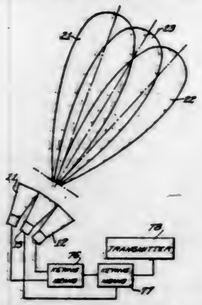
2,426,182
TIME DIVISION RADAR RANGING SYSTEM
Owen E. De Lange, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1943, Serial No. 504,577
4 Claims. (Cl. 250—1.62)



1. In a radio reflection type object locating system providing, simultaneously, range indications

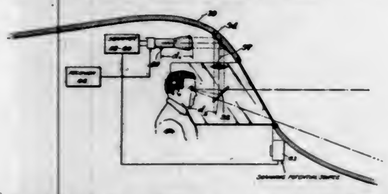
and high precision directional indications subject to automatic volume control, a time division system to afford indications of the range of smaller reflecting objects in the vicinity of a large reflecting object which includes means for periodically raising the receiving gain of the system to a high value for a short interval of time and means for protecting the high precision directional indicating apparatus during said short high gain interval, whereby the presence of small objects in the vicinity of a larger object can be detected without interfering with precise observations of the direction of the larger object.

2,426,183
REFLECTED WAVE DIRECTION FINDER
Edmond M. Deloraine and Emile Labin, New York, and Henri G. Busignies, Forest Hills, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 3, 1943, Serial No. 489,468
In France April 4, 1940
6 Claims. (Cl. 250—1.72)



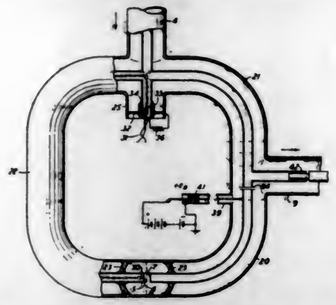
1. A method of determining the direction and elevation of an object in space by reflection of electromagnetic energy therefrom which comprises producing two beams of electromagnetic energy having overlapping portions, searching with said beams until an object is found with the overlapping portions, producing a third beam of electromagnetic energy which overlaps the overlapping portions of said two beams, directing said beams generally toward said object and separately orienting one of said beams until said object is within the portion at which all three beams overlap.

2,426,184
RADIO GUIDING SYSTEM
Edmond M. Deloraine and Gerard J. Lehmann, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1944, Serial No. 526,151
15 Claims. (Cl. 250—11)



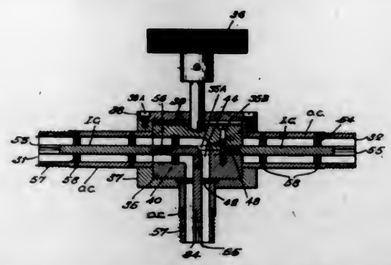
1. An aircraft guiding means comprising, a semi-transparent viewing screen substantially within the normal field of view of the pilot of the craft when viewing the terrain, and means for reproducing on said screen the image of radio transmitters in their proper positions relative to the said terrain.

2,426,185
TRANSLATION OF MICROWAVES
William H. Doherty, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 27, 1941, Serial No. 412,559
17 Claims. (Cl. 179—171)



1. An amplifying space discharge device, a shielded transmission line enclosing said discharge device and connected to form a loop for the loop transmission of waves of predetermined frequency, and a wave output circuit connected to said loop.

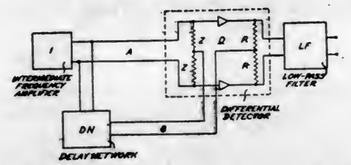
2,426,186
ULTRA HIGH FREQUENCY SWITCH
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 10, 1942, Serial No. 446,457. Divided and this application June 23, 1943, Serial No. 491,893
7 Claims. (Cl. 200—6)



1. A high frequency switch comprising a cylindrical metallic casing, a pair of concentric transmission lines each having an inner conductor and an outer conductor supported by the side walls of said casing, the inner conductors of said transmission lines protruding into said casing, another concentric transmission line affixed to the base of said casing, a metallic plug rotatable within said casing, said plug having insulating means for carrying the inner conductor of the concentric line affixed to the base of said casing, and means for rotating said plug so that the inner conductor coming through the base may be selectively connected to any one of the internal

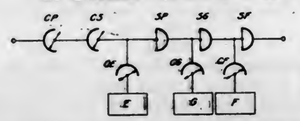
conductors of the transmission lines connected to the side walls of said cylindrical casing, said plug being so arranged as to short-circuit the inner transmission line conductor which is not connected to the inner conductor coming through the base.

2,426,187
PULSED CARRIER FREQUENCY DEMODULATOR
Charles William Earp, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application November 23, 1942, Serial No. 466,655
In Great Britain December 19, 1941
5 Claims. (Cl. 250—27)



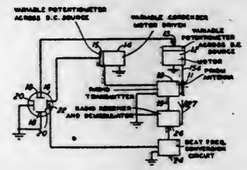
1. System for the demodulation of a carrier wave of complex wave form repetitive at some predetermined constant period of time, the repetitive characteristic of said wave being modified by the intelligence bearing modulation, comprising a balanced modulator having two input circuits and an output circuit, means for applying said wave to one input circuit of said balanced modulator, means for applying said wave to the other input circuit of said balanced modulator with a delay equal to an integral number of periods of repetition of the complex wave form and a utilization circuit connected to said output circuit.

2,426,188
AUTOMATIC TELECOMMUNICATION SYSTEM
Jean E. A. Escande, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1943, Serial No. 478,695
In France October 31, 1941
19 Claims. (Cl. 179—16)



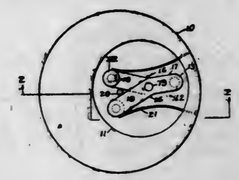
1. In an automatic telephone system, a plurality of numerically designated lines, means including a selector switch for connecting a calling line with a called line, said selector having sets of terminals arranged in numerical groups and a set of brushes cooperating with said terminals, a magnet for moving said brushes over said terminals, means for rendering busy said terminals, a control circuit, a control switch associated with said circuit, means for variably operating said control switch in accordance with various digits of the number of the called line, means for temporarily connecting said circuit with said selector, means for sending an impulse to said control switch from the selector for the engagement of each group of terminals by the brushes, means for operating said control switch by the last-mentioned impulses, and test means in the control circuit responsive to the busy condition of said terminals for controlling the circuit of said magnet.

2,426,189
OBJECT LOCATING SYSTEM
Lloyd Espenschied, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1941, Serial No. 413,587
8 Claims. (Cl. 250—1.74)



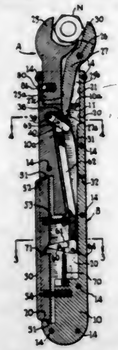
1. In an object locating system of the type which employs an exploratory energy beam to scan in azimuth and elevation, a region remote from said system, receives reflections of said beam from objects within said region and employs the received reflected energy to actuate an indicating mechanism having a movable marking member, the marking member being arranged to scan a two-dimensional area on a screen in synchronism with the scanning of the region by the energy beam, whereby the indicating mechanism presents a two-dimensional diagram of the position of objects within the region scanned by the system, the method of representing a third dimension, namely, distance, for the respective objects appearing in the two-dimensional representation which comprises determining the distance from the system to each object by measuring the reflection time of waves projected to strike the object and varying the intensity of the representations for the several objects in accordance with the determined magnitudes of the distances thereto, respectively, whereby the distances to respective objects are indicated by the intensities of their respective representations on the diagram.

2,426,190
MECHANICAL TIME FUSE
Cecil C. Fawcett, Philadelphia, Pa.
Application December 15, 1939, Serial No. 309,416
2 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



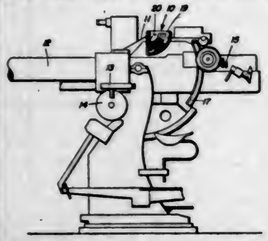
1. In a fuse in combination, a supporting member formed with a passage therethrough, a pair of superimposed cranked levers coaxially pivoted on the supporting member intermediate their end portions with two of the arms of said levers normally disposed in registering relation blocking said passage and the other two arms of said levers arranged in diverging relation, a stop pin disposed between said diverging arms and resilient means urging the diverging arms into abutting relation with the stop pin to maintain said arms blocking the passage in normal registering relation.

2,426,191
WRENCH
Monroe J. Feiring, Bronx, N. Y., assignor to Abraham Feiring, Bronx, N. Y.
Application January 11, 1944, Serial No. 517,774
3 Claims. (Cl. 81—111)



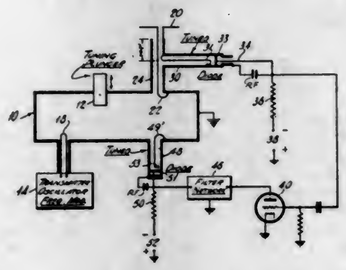
1. A wrench of the character described comprising a gripping handle provided with a hollow area, an opening in the top end of said handle communicating with said hollow area, a wrench head having a shank portion mounted in said opening, said wrench head comprising a fixed jaw, a slotted opening in said head, a movable jaw pivotally mounted on said head and having a shank portion freely slidable in said slotted opening, said shank of said movable jaw having an end portion thereof extending into said hollow area, a spring in said hollow area having a portion thereof contactively engaging said last named extending shank portion to normally urge said movable jaw in a direction toward said fixed jaw and means within said hollow area cooperating with said extending shank portion to releasably lock said movable jaw against pivotal movement for effective use as a wrench, said last named means comprising a rigid member movably mounted on said handle, an abutment link pivotally mounted within said hollow area, a lever pivoted at one end to said link, means comprising a spring for normally urging said link to ineffective position, said means associated with said lever whereby the manual movement of said rigid member will cause said link to move to effective position.

2,426,192
COMPUTER
James D. Ferguson, United States Navy, Arlington, Va.
Application May 28, 1945, Serial No. 596,257
1 Claim. (Cl. 235—61.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A sight angle computer adapted to be attached to the sight yoke of an elevational gun including a supporting plate adapted to be secured to and be movable with said yoke, a data scale member pivotally carried by and independently adjustable with respect to the plate, means for securing the plate and member together in adjusted position, and an indicia carrying pendulous arm pivoted at the pivot of said scale member and depending vertically over and sweeping said member, its indicia co-operating with the swept data scale to determine a desired sight angle.

2,426,193
RADIO TRANSMITTER AUTOMATIC VOLUME CONTROL
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1943, Serial No. 491,139
7 Claims. (Cl. 250—17)



1. In a signalling system, a source of timing modulated oscillatory energy of ultra high frequency, a conductive cavity, a coupling between said source of oscillatory energy and said conductive cavity to feed timing modulated oscillatory energy into said cavity, means to derive output energy therefrom, an impedance coupled into said cavity to control the Q thereof to thereby control the magnitude of the output from said cavity, and means for controlling the value of said impedance inversely in accordance with variations in the amplitude of the output from said cavity to remove amplitude variations from the timing modulated output of said cavity.

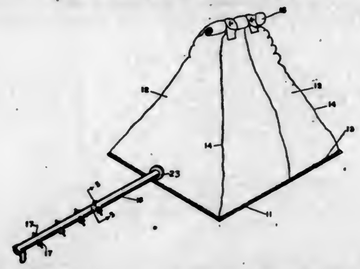
2,426,194
INK
Adolph Fischbach and Maurice Friedman, Asbury Park, N. J., assignors to the United States of America, as represented by the Secretary of War
No Drawing. Application April 4, 1944, Serial No. 529,442
2 Claims. (Cl. 106—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. An ink consisting of 90 parts by weight of butyl carbitol, 10 parts by weight of printing ink varnish, and dioctyl sodium succinate and methyl violet, respectively, in substantially 0.2% and 10%, by weight, of the combined solvents.

2,426,195
COLLAPSIBLE CONTAINER PROVIDED WITH FLUID CONTROL MEANS
Francis R. Geraci, United States Marine Corps
Application June 22, 1945, Serial No. 601,050
3 Claims. (Cl. 150—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

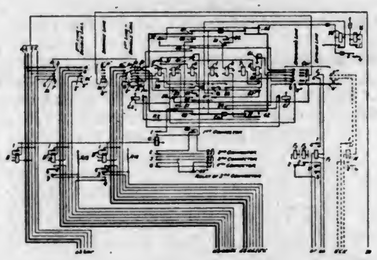
1. A collapsible self-supporting flexible container and collapsed container enclosure for fluids,

comprising a base, inwardly converging flexible side panels each of which is secured to said base and at the edges thereof to the edges of the next adjacent side panels, an outlet tube secured to said container, a second set of flexible panels each of which is also secured to said base along its



edges, the panels of said second set being smaller than said first mentioned panels, and cooperative fastening means on at least two of said panels of said second set, whereby said second set of panels provides an enclosure for the collapsed container of said first mentioned panels.

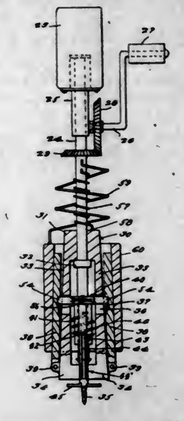
2,426,196
AUTOMATIC TELEPHONE SYSTEM
Fernand P. Gohorel, Sceaux, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 20, 1943, Serial No. 514,931
In France November 3, 1938
7 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of subscribers' lines, means including paired line finder and connector switches for interconnecting calling and called lines, each of said switches having brushes and stationary terminals cooperating therewith, means responsive to the initiation of a call to move the brushes of a connector, means operative thereupon for actuating the line finder paired with the operated connector to seize the calling line, and means at the seized calling line for controlling over the line finder the brushes of the connector to select the called line.

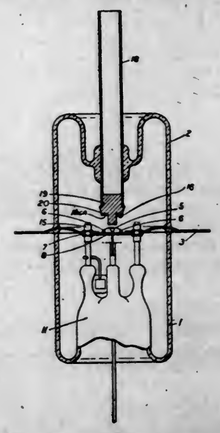
2,426,197
SCREW DRIVER
James Block Goldberg, Kansas City, Mo., now by Judicial change of name James B. Greer
Application June 9, 1943, Serial No. 490,205
3 Claims. (Cl. 145—52)

1. The combination with a screw-driver having a shank, a shank rotating means at one end thereof, a screw slot engaging bit at the opposite end of the shank and a stop collar intermediate the rotating means and the bit, of a screw holder comprising a body slidable on the shank between the rotating means and the stop collar, yieldingly expansible legs extending from the body toward the bit, screw holding jaws at the free ends of the legs, arms pivoted to the legs, a sleeve surrounding the arms and adapted to move



the jaws into screw clamping position as it is advanced toward the screw-driver bit, a spring adapted to retract the sleeve and means to hold the arms expanded against the sleeve frictionally to hold the sleeve in advanced position against the force of the spring.

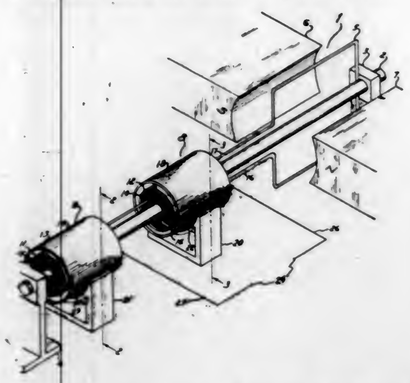
2,426,198
ELECTRON DISCHARGE TUBE FOR ULTRA HIGH FREQUENCIES
Frank Douglas Goodchild and Willem Harry Wolsey, London W. C. 2, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application September 9, 1942, Serial No. 457,791
In Great Britain October 24, 1941
6 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising an envelope, an apertured metal screening plate extending transversely across said envelope and sealed through the walls thereof to divide said envelope into two portions, an anode in one portion and a cathode in the other portion, the said cathode being mounted on a stem carrying a plurality

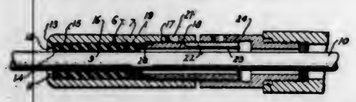
of pillars, a grid element comprising grid wires secured to an apertured metal plate, said plate being mounted on said pillars, and means on said pillars securing said metal plate to said metal screening plate.

2,426,199
BRUSHLESS TYPE OF MOTOR OR GENERATOR
Martin James Gould, Washington, D. C.
Application October 27, 1944, Serial No. 560,584
1 Claim. (Cl. 171—252)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



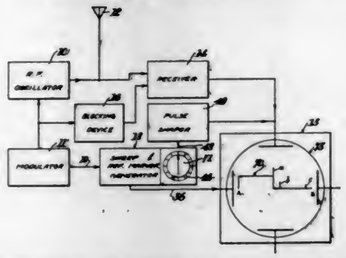
The combination, with an alternator, its armature winding means and armature shaft, of a pair of spaced insulating supports, a cylindrical capacitor whose inner cylindrical element is coaxially mounted rotatively rigid on said armature shaft and insulated therefrom, and whose outer cylindrical element is fixedly mounted on its support, a second cylindrical capacitor whose inner cylindrical element is coaxially mounted rotatively rigid on said armature shaft and insulated therefrom, and whose outer cylindrical element is also fixedly mounted on its support, said inner cylindrical element of each capacitor being connected in series circuit with said armature winding means, and output terminals connected to each outer cylindrical element.

2,426,200
FEEDING DEVICE
Frank L. Green, Rockton, Ill., assignor to Green Manufacturing Co., Inc., Rockford, Ill., a corporation of Illinois
Application October 9, 1941, Serial No. 414,266
4 Claims. (Cl. 29—62)



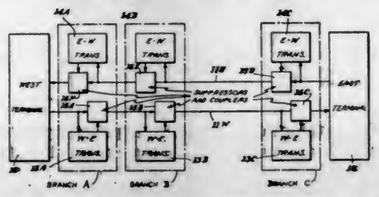
1. A device for gripping a bar of stock to feed it endwise comprising a body of yieldable material adapted to receive and enclose said bar, means enclosing said body and applying endwise pressure thereto to maintain the body under a state of compression around said bar, and means on said enclosing means by which said device may be connected to the feed member of an automatic screw machine.

2,426,201
RADIO DETECTION SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 4, 1943, Serial No. 471,229
4 Claims. (Cl. 250—1.66)



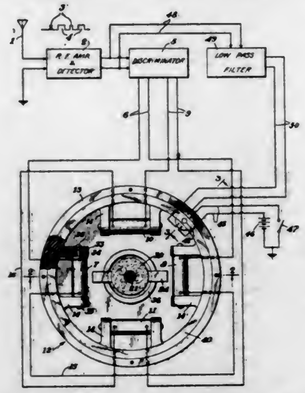
1. A method of providing for a cathode ray oscillograph a sweep potential having dual rates of voltage increase comprising supplying energy to build-up a sweep potential at a given rate of increase, changing from said given rate of increase to a different rate by shunting a part of the supply of energy when the potential reaches a given value, continuing the potential increase at said different rate, and determining the amount shunted in accordance with the value of the potential at which the shunting action is initiated, whereby the potential build-up during any two rates for a given interval of time terminates at substantially the same value of potential.

2,426,202
DROP CHANNEL PULSE MULTIPLEX SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1944, Serial No. 519,757
29 Claims. (Cl. 179—15)



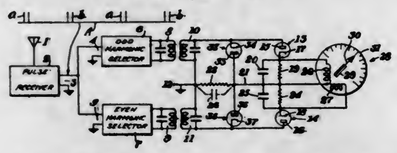
16. In a communication system having a first terminal for transmitting a plurality of pulse trains, each train comprising a communication channel, the pulses of each train being timed with respect to the others to provide a resultant train of pulses, a second terminal for receiving the pulse trains, and a common transmission medium interconnecting said terminals, an intermediate branch terminal coupled with said medium for selecting one of said channels and supplying a new channel to replace the selected channel comprising selector means for selecting the pulses of a train corresponding to said one channel, suppressor means for suppressing the pulses corresponding to said selected channel at the branch terminal leaving gaps in said resultant wave train, means at the branch terminal for producing a train of pulses corresponding with the pulses of said one channel, timing means for timing the produced train of pulses to correspond with the selected pulse train, and means for applying said produced timed pulses to said common medium where the intermediate branch terminal is coupled thereto to supply a new channel replacing said selected channel.

2,426,203
RADIO BEAM CONTROLLED INDICATING INSTRUMENT
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1944, Serial No. 531,882
14 Claims. (Cl. 171—95)



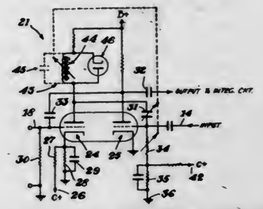
1. In an indicating instrument of the type wherein two separate applied energy waves are used to produce a resultant directive magnetic field, and a movable indicator means is moved to a position indicating the position of said directive magnetic field, the combination of control means for holding said indicator means in fixed position comprising means normally holding said indicator in relatively fixed position in the absence of said applied energy, and electrically controlled means responsive to energy received from said applied energy waves to release said holding means, whereby said indicator is free to move in response to said applied energy waves.

2,426,204
DISCRIMINATOR CIRCUITS
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1944, Serial No. 553,569
7 Claims. (Cl. 250—27)



1. A translator circuit for producing an indication in accordance with variations in time displacement of successive pulses of a pulse train, the alternate pulses of said train having a substantially constant repetition frequency, comprising means for selecting from said pulse train waves of a given even and a given odd harmonic of said repetition frequency, rectifiers for each of said selected harmonics, input circuit means for separately applying said selected harmonics to corresponding ones of said rectifiers, output impedance means for each of said rectifiers connected to a common point, a common resistor means connected between said common point and a common point on said input circuit means, and other rectifiers coupled in opposed polarity relation with respect to said output rectifiers and in shunt relationship to the associated input circuits and said common resistance to provide a biasing voltage drop in said common resistance for said output rectifiers.

2,426,205
PULSE SELECTING CIRCUIT FOR MULTIPLEX SYSTEMS
Donald D. Grieg and Arnold M. Levine, Forest Hills, N. Y., assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application March 2, 1946, Serial No. 651,652
6 Claims. (Cl. 179—15)



6. In a receiving system for receiving a desired one of a plurality of channels of pulses interleaved in sequence in the form of a single multichannel pulse train, the pulses of one of the channels being provided with an identifying characteristic distinct from the pulses of the other channels for use as synchronizing pulses, and the pulses of at least the selected one of said channels being time modulated signal pulses; a multivibrator adapted to have a normal period of oscillation substantially as great as the maximum interval between a synchronizing pulse and the associated signal pulse of the selected channel, means for applying the synchronizing pulses to said multivibrator to trip it, means for applying the signal pulses to said multivibrator tending to re-trip it, adjustable means associated with said multivibrator and responsive to each of said synchronizing pulses to produce a blocking voltage having a duration substantially equal to the minimum interval between said associated signal pulse of the channel to be selected and its synchronizing pulse, and utilization means responsive to the output of said multivibrator.

2,426,206
CONDENSATION PRODUCTS OF TRI-(BETA-AMINOETHYL)-AMINE AND ORTHO HYDROXY AROMATIC CARBONYLS
Lyle A. Hamilton, Pitman, and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 7, 1945, Serial No. 627,281
9 Claims. (Cl. 260—566)

1. A compound of the formula

$$\left(\begin{array}{c} HO-A-C=N-CH-CH- \\ \qquad\quad | \qquad\quad | \quad | \\ \qquad\quad Z \qquad\quad R \quad R' \end{array}\right)_2 N$$

wherein each of R and R' represents a member of the group consisting of hydrogen and methyl

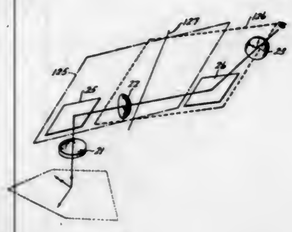
radicals, Z represents a member of the group consisting of hydrogen and alkyl, aralkyl and aryl radicals and A represents an ortho-divalent aromatic radical.

2,426,207

AERIAL VIEWER WITH OBSTACLE BY-PASSING OPTICAL SYSTEM COMPRISING LENS AND MIRROR MEANS

Alden G. Handy, Boston, Mass.

Application February 2, 1945, Serial No. 575,829
1 Claim. (Cl. 88—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



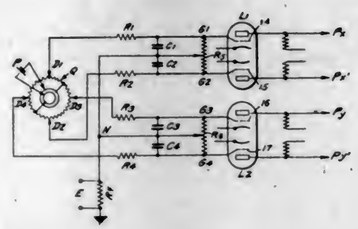
In an airplane having an instrument panel positioned directly in front of the pilot and having a light obstructing obstacle in front of the pilot's seat preventing a direct view of the ground below the airplane, an optical apparatus for exhibiting to the pilot on said instrument panel a ground view below the airplane during normal flight, said apparatus comprising a reflecting system and a lens system which together form an optical system containing in optical seriatim, a negative lens, a first reflecting surface, a positive lens, a second reflecting surface, and a viewing screen in the focal plane of said combined lenses and located on said instrument panel in a vertical position perpendicular to the fore and aft axis of the airplane for direct forward view of the screen by the pilot during said normal flight, said negative lens being positioned alongside said obstacle with its axis directed downwardly with respect to the airplane during said normal flight and serving to increase the angle of view and also being positioned to refract rays of light from an object on the ground to said first reflecting surface in unreversed and erect form, said first reflecting surface being positioned obliquely with respect to the axis of said negative lens and alongside said obstacle to reflect said rays in inverted and unreversed form to the positive lens, said positive lens transmitting said rays in reversed and erect form to said second reflecting surface, and said second reflecting surface being positioned substantially directly in front of said viewing screen and obliquely with respect to the axis of said positive lens for directing the light substantially in a perpendicular direction onto said viewing screen to reflect said rays in erect and unreversed form in a substantially vertical plane on said viewing screen, said reflecting surfaces being positioned in planes oblique to each other and to the central light ray passing through said lens system, whereby the rays from the ground object are reflected and diverted at angles around said light obstructing obstacle to form a real, erect and unreversed image on said vertically positioned viewing screen.

2,426,208

CATHODE-RAY TUBE CONTROL CIRCUIT

René J. Hardy, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 28, 1943, Serial No. 488,873
In France December 28, 1940
11 Claims. (Cl. 250—27)



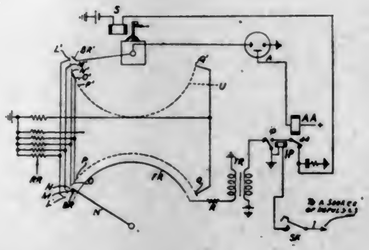
7. Cathode ray tube sweep circuit power supply device, including a resistance in circular form, means for rotating said resistance, slip rings rotating therewith, brushes resting on said slip rings and means for feeding direct current thereto, said slip rings being connected to points on said resistance substantially 180° apart, segments connected to predetermined points along said resistance, brushes bearing on said segments at points substantially 90° apart, a filter circuit connected to each pair of brushes, a dual electronic tube having two grids and two anodes, connections from the output of each filter so as to shunt both said grids, a potentiometer also shunted across said grids, a resistor connected to the tap of said potentiometer at one terminal and grounded at the other terminal, means for supplying deflection signals to said resistor and means for withdrawing from said anodes of said tube combined sweep and deflection signals.

2,426,209

MEANS FOR READING THE INDICATION OF MEASURING INSTRUMENTS

George Clifford Hartley, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 20, 1943, Serial No. 495,540
In Great Britain September 12, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires September 12, 1962
2 Claims. (Cl. 177—351)



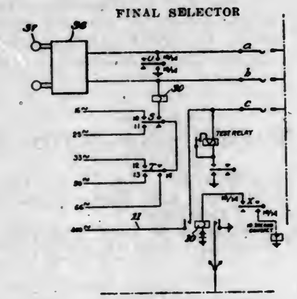
1. Electro-responsive means for indicating when the pointer of an indicating instrument is in a given position comprising in combination with the pointer a piece of fine wire mounted on the pointer and insulated therefrom, a commutator consisting of an undivided segment and a divided segment arranged in juxta-position to the path of movement of said wire and to be bridged thereby, circuit means for applying a potential across the segments through said wire, high resistances connecting the divided segments to ground, a uni-selector having a series of contacts, connections from the divided segments to the series of contacts, a wiper for the series of contacts of the uni-selector, means for applying a potential intermittently to step the wiper, a cold cathode gas filled discharge tube having a control electrode connected to said wiper whereby the potential of the control electrode with respect to the cathode is raised by passage of the spark to one of the divided segments when the wiper is connected to the corresponding contact of the uni-selector, means energized by the circuit of the gas discharge tube for indicating the closing of the circuit through the divided segment, means controlled by said indicating means for effecting stopping of the wiper movement, and means for opening the circuit of the gas discharge tube.

2,426,210

INTERCEPT OPERATOR'S POSITION FOR UNASSIGNED PARTY LINE STATIONS

William Hatton, Maplewood, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application March 12, 1945, Serial No. 582,195
16 Claims. (Cl. 179—27)



1. In an automatic telephone switching system, a group of subscribers' lines, switches for extending a calling line to a wanted line in said group, means for applying ringing current to said wanted line, an identification finder switch common to said group of subscribers' lines and having a set of bank terminals multipled to said group of lines, and means for causing said identification finder switch to hunt for said wanted line if a subscriber on said wanted line does not respond to the ringing signal within a predetermined time interval.

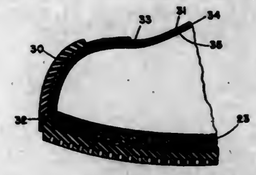
2,426,211

RUBBER FOOTWEAR

Edward F. Heckman, United States Navy

Application June 30, 1945, Serial No. 602,643
5 Claims. (Cl. 36—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A laminated sole structure for rubber footwear used in hazardous operations comprising an outer sole and heel member of synthetic rubber provided with a non-skid tread, a layer of impregnated felt cemented to said outer sole member, a felt layer cemented to said impregnated



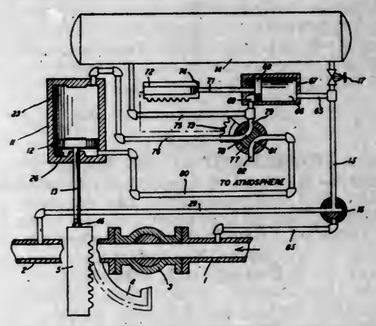
felt layer, a flexible steel plate extending approximately the length of said outer sole and heel member, and a layer of felt carrying on its upper side a sole lining member cemented to said steel plate.

2,426,212

AUTOMATIC CLOSING VALVE

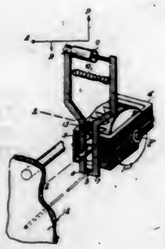
Edwin E. Hedene, Oakland, Calif., assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original application May 25, 1942, Serial No. 444,335, now Patent No. 2,381,447, dated August 7, 1945. Divided and this application August 25, 1942, Serial No. 455,997
2 Claims. (Cl. 137—153)



1. In a fluid distribution system, the combination of a pipe line, a main valve in said pipe line, a reservoir for storing fluid under pressure, main fluid pressure responsive means connected to the reservoir for operating said main valve, a pilot valve in said connection for controlling the application of fluid pressure to said means, fluid pressure means having a direct operating connection with said pilot valve, a conduit between the pipe line on one side of the main valve and the reservoir including means restricting flow between the reservoir and the pipe line in both directions, a connection between the conduit and one side of said pilot valve operating means on the pipe line side of said restricting means, a second conduit between the reservoir and the other side of the pilot valve operating means whereby a rate of change in pressure in the pipe line greater than a balancing flow through the restricting means actuates the pilot valve operating means to actuate said main operating means and close the main valve, and said operating connection between the fluid pressure means and pilot valve including means preventing reverse operation of the pilot valve by fluid pressure.

2,426,213
GYROSCOPE
Guy L. M. Hérondelle, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 24, 1943, Serial No. 480,411
In France January 31, 1942
4 Claims. (Cl. 74—5)



1. Damping mechanism for a gyroscope, comprising a pair of pivotally mounted lever arms, yieldable means engaging said arms and tending to maintain the same in parallelism with each other, movable means adapted to move one of said arms angularly with respect to the other in consonance with a deflection of the gyroscope, a stop for preventing movement of either arm as the other arm is moved and damping means coupling one arm to the other to damp the movement of the moved arm.

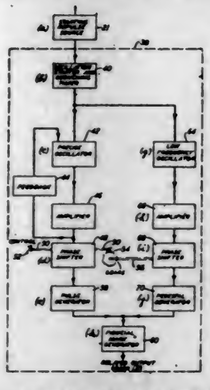
2,426,214
INSECTICIDAL OIL SPRAY
Charles K. Hewes, Los Angeles, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application December 15, 1941, Serial No. 423,036
7 Claims. (Cl. 167—28)

1. An insecticidal composition, including an insecticidal kerosene fraction of mineral oil and an aluminum salt of the group consisting of aluminum stearates, aluminum palmitate, and aluminum oleate, the aluminum salt being mixed with a member of the group consisting of lower boiling alcohols, glycol, and glycerine.

2,426,215
THERMOPLASTIC SYNTHETIC RESIN OPTICAL LAP
Lester M. Hicks, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 11, 1944, Serial No. 563,025
4 Claims. (Cl. 51—298)

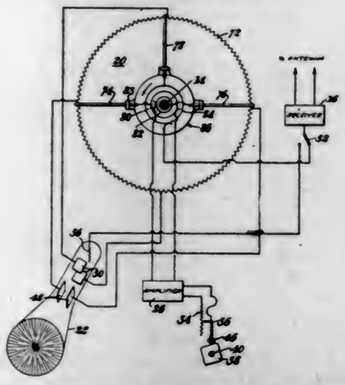
4. An abrading lap for the cold working of solid optical material for producing an optical surface thereon comprising a body of a thermoplastic synthetic resin molding compound having a working face corresponding in shape to the optical surface that is to be generated and in which the thermoplastic compound is one, the base material of which is selected from the group consisting of polystyrenes, polyvinylidene chlorides, vinyl resins, and acrylic resins.

2,426,216
APERIODIC PULSE TIMING SYSTEM
Stuart C. Hight, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1942, Serial No. 462,525
10 Claims. (Cl. 250—1.66)



4. In a time interval measuring system, the combination of a high frequency oscillation circuit adapted for shock excitation and substantially instantaneous quenching, means for shock exciting said oscillation circuit, a continuously adjustable phase shifting circuit connected to the output of said oscillation circuit, a pulse generator connected to the output of said phase shifting circuit, means for segregating a particular one of the pulses generated by said pulse generator, and means for instantaneously quenching said oscillation circuit to restore it to a quiescent state.

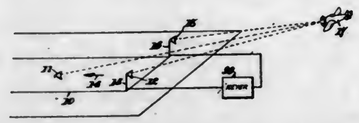
2,426,217
DIRECTION AND DISTANCE INDICATING SYSTEM
William F. Hoisington, Rye, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 14, 1942, Serial No. 458,256
20 Claims. (Cl. 250—1.62)



1. In a direction and distance indicating system of the type wherein generated pulse waves are radiated from and the reflected waves are received by rotating antenna, the combination of a receiver connected to said antenna, an annular resistance having four equally spaced taps, a

cathode ray tube having an electron beam-producing means and two pairs of beam-deflecting electrodes spaced at right angles to one another, means for connecting one pair of electrodes across one set of oppositely spaced taps and the other pair of electrodes across the other set of oppositely spaced taps, a member rotatable with said antenna, having oppositely directed arms insulated from one another and contacting said resistance, a potential source varying between predetermined limits connected across said arms, means for initiating the energization of said potential source by said generated pulse wave, whereby rotation of said member varies the voltage on said electrodes to cause rotation of the beam in accordance with rotation of said antenna, means for changing one of said predetermined limits of said varying potential source according to the contact relation of said arms with respect to said resistance between said taps, whereby the deflection of said beam is equal in all radial directions, means for rotating said antenna and member, and means for connecting said receiver to said cathode ray tube for controlling said beam in accordance with the received reflected waves.

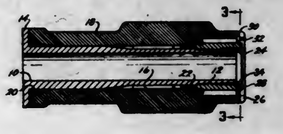
2,426,218
INSTRUMENT NAVIGATION SYSTEM
Roy C. Hopgood, Jr., Glen Ridge, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1942, Serial No. 435,873
13 Claims. (Cl. 250—1)



1. The method of landing an aircraft on a desired area in the vicinity of which a plurality of relatively widely spaced fixed radiant energy reflectors are disposed, said aircraft being equipped with radiant energy radiating and receiving apparatus for detecting the general direction of an object and indicating the same on the screen of a cathode ray oscillograph, which method comprises transmitting energy from said radiating apparatus, receiving said radiated energy after reflection from said reflectors, orienting the aircraft to such a position that images thereby formed on the oscillograph screen form a predetermined pattern, said pattern being understood as indicative of received reflections from said plurality of reflectors, and continuing flight while maintaining substantially the same pattern on the oscillograph screen.

2,426,219
LOCKING MEANS
Tom C. Jackson, Lebanon, Ky.
Original application November 18, 1943, Serial No. 510,791. Divided and this application February 10, 1945, Serial No. 577,250
6 Claims. (Cl. 287—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. In combination, a shaft member, a hub member splinedly mounted on said shaft member, the bore of said hub member being enlarged near the end to provide an annular chamber between said hub member and shaft member, a nut in said annular chamber threadedly engaging said shaft member, said nut and one of the other said members having end splines and said annular chamber having an internal annular groove near the outer end, a spring ring in said annular



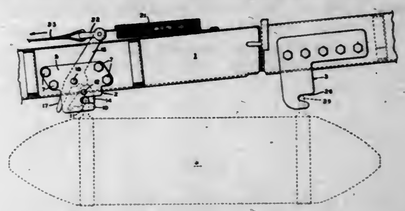
groove, and a radial key integral with said ring intermediate the ends of the ring lying in the end splines of the nut and other end splined member.

2,426,220
BITUMINOUS COMPOSITION HAVING INCREASED ADHESION TO MINERAL AGGREGATE
James M. Johnson, New York, N. Y., assignor to Nostrip Inc., a corporation of Delaware
No Drawing. Application September 2, 1942, Serial No. 457,099
5 Claims. (Cl. 106—123)

1. An acyl amidoamine soap of the general formula $R.CO.HN.R''.NH_3.OOC.R'$ in which R.CO and R'.COO represent residues of higher fatty acids after the loss of OH and acid hydrogen, respectively, and N.R''.N is an alkylene polyamine residue representing the polyamine less the hydrogen atoms normally associated with each N shown in the formula.

5. An improved bituminous bonding material comprising asphalt and an acyl amidoamine soap, the acid represented in the acyl group and also in the soap radical being the organic acids derived from talloil.

2,426,221
POSITIVE ACTION RELEASE HOOK
Charles D. Karp and Joseph L. Bachman, Philadelphia, Pa.
Application June 30, 1945, Serial No. 602,634
9 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A positive action release hook structure comprising a support including a hook, a latch member mounted on said support for pivotal movement and having a locking arm portion and a trigger portion arranged so that in one position of said latch member said locking arm portion is disposed crosswise of the hook opening to close the same and the trigger portion of said latch member is positioned clear of said hook opening, a lever member mounted on said support for pivotal movement and having a projection arranged to engage a recess in said latch member when the latter is in said one position, spring means tending to pivot said lever in one direction to maintain the projection thereof engaged with the recess in the latch member

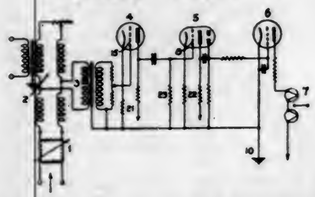
and positively secure the latter in said one position, and actuating means to pivot said lever in the opposite direction against said spring means to disengage the projecting portion thereof from the latch recess and cause the lever to engage the latch member and pivot the latter to retract the locking arm portion thereof from the hook opening to open the same and simultaneously move the trigger portion of said latch member into said hook opening to positively eject an object therefrom.

2,426,222

ELECTRICAL COMMUNICATION SYSTEM

Leon Katchatouroff, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 12, 1943, Serial No. 475,687
In France October 27, 1941
11 Claims. (Cl. 179—4)



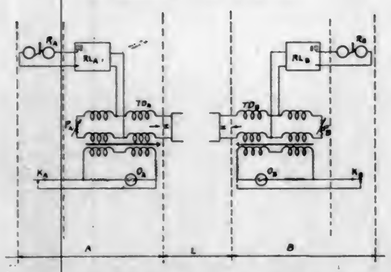
1. Method of simultaneous telegraph and telephone transmission over a single channel, which includes transmitting telephone signals at frequencies extending from the possible minimum to over 1200 cycles, and also at frequencies extending from over 1700 cycles to the possible maximum, transmitting telegraph signals over a frequency band lying between 1200 and 1700 cycles, amplifying received signals and suppressing the effect of signal drag by temporarily reducing the amplification during the length of the signal proper and during the passage of the signal drag.

2,426,223

DELAY COMMUNICATION SYSTEM

Leon Katchatouroff, Paris 7, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 13, 1943, Serial No. 482,904
In France January 31, 1941
6 Claims. (Cl. 179—4)



1. In a signal system the combination including a transmission line, telephone transmitting and receiving apparatus coupled to the respective ends of the line through filters, a telegraph carrier current generator, means for controlling said current to impart telegraph signal characteristics thereto of a narrow low frequency band, a differential transformer primary fed by said generator, a narrow band filter connecting the secondary of the transformer to said line, a local telegraph printer having an input circuit connected to the secondary of said transformer, and means for connecting an impedance in said input circuit during the periods of telegraph signal transmission originating at the station where said local telegraph printer is located, while maintaining said telephone transmitting and receiving apparatus coupled to said line.

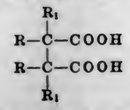
2,426,224

PROCESSES FOR PRODUCING DIBASIC ACIDS AND DERIVATIVES OF DIBASIC ACIDS

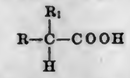
Morris S. Kharasch, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application September 20, 1943, Serial No. 503,172
3 Claims. (Cl. 260—537)

3. The process of producing a compound selected from the class which consists of succinic acids of the following general formula:



in which R and R_1 are both members of the class which consists of hydrogen, chlorine, fluorine, and alkyl groups, and in which R and R_1 are the same halogen when both of them are halogens, and alkyl esters, acid anhydrides, acid chlorides, and acid fluorides of such succinic acids, which comprises reacting acetyl peroxide in the substantial absence of water with a member of the class which consists of the monobasic aliphatic acids represented by the following formula:



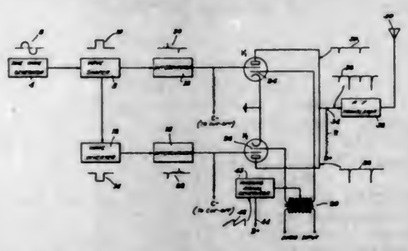
in which R and R_1 have the same meaning as above, and the alkyl esters, acid anhydrides, acid chlorides, and acid fluorides of said monobasic aliphatic acids.

2,426,225

COMMUNICATION SYSTEM

Irving A. Krause, Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application April 20, 1944, Serial No. 531,859
20 Claims. (Cl. 250—6)



1. A method of modulating a train of pulses of electrical potential comprising modulating a given characteristic of the odd pulses of said train with a given signal energy and modulating a like characteristic of the even pulses of said train with said given signal energy shifted in phase 180° from the signal energy applied to said odd pulses.

2,426,226

ROTATABLE COUPLER

Emile Labin and Armig G. Kandoian, New York, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware

Application January 23, 1943, Serial No. 473,311
1 Claim. (Cl. 178—44)



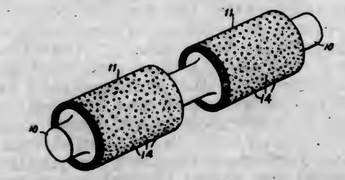
A rotatable coupler for intercoupling coaxial transmission lines, comprising a hollow cylindrical extension open at one end fixed to the central conductor of one of said transmission lines at its closed end, said extension being in the order of a quarter wavelength long at the operating frequency, the inner conductor of the other of said transmission lines extending coaxially into the open end of said cylinder, extended cylindrical portions on the corresponding ends of the outer conductors of said coaxial transmission lines, said portions being of different diameters from the extended inner conductor and each other, and of substantially a quarter wavelength long, said portions being coaxially mounted with respect to one another and said hollow cylinder extension, whereby transfer of energy between said sections at said operating frequency may be accomplished by electromagnetic coupling and further comprising a cylindrical conductor structure in the order of a quarter wavelength long fastened at one end to the outer surface of one of said outer conductors, the other end thereof extending a small distance into the opening between said cylindrical portions, whereby currents induced in the outer surface of said one outer conductor are substantially suppressed.

2,426,227

SPINNING COT

Enrique L. Luàces, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application July 31, 1944, Serial No. 547,429
3 Claims. (Cl. 19—143)



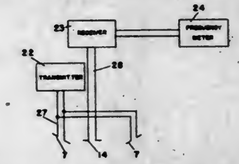
1. As a new article of manufacture, a spinning cot comprising a body of acrylic nitrile and butadiene copolymers having dispersed therethrough particles of cellulose sponge in spaced independent bodies incorporated in the copolymer materials, said bodies representing from 30 to 70% of the spinning cot, said cellulose sponge particles each having cavities dispersed through their bodies whereby to present a series of cavities to the work, said bodies being adjacent the surface of said cot and adapted to fall off as the said surface wears off in use, whereby continuously to maintain a roughened surface exhibiting high grippage and non-eyebrowing characteristics, said cot having low static build-up.

2,426,228

SPEED INDICATOR

Leo Mackta, United States Army, Brooklyn, N. Y.

Application October 31, 1942, Serial No. 464,103
11 Claims. (Cl. 250—1.56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



11. A speed indicator for aircraft comprising, in combination, a pair of radiators adapted to transmit sharply defined beams of electromagnetic waves forming equal and opposite acute angles with a vertical axis of said aircraft, means for simultaneously energizing said radiators, means including a single antenna for receiving only the reflected components of both of said beams concurrently with said transmission, and means responsive to the frequencies of the reflected components to indicate the speed of said aircraft.

2,426,229

ELECTRIC DISCHARGE LAMP AND STARTING DEVICE

Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

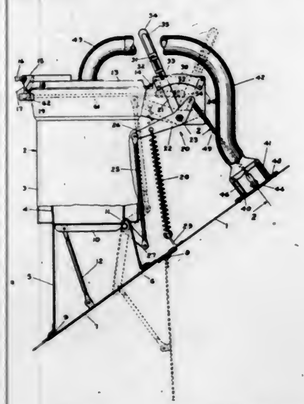
Original application November 8, 1941, Serial No. 418,358, now Patent No. 2,346,109, dated April 4, 1944. Divided and this application March 31, 1944, Serial No. 528,973
1 Claim. (Cl. 315—100)



In an electric gaseous discharge lamp circuit having a ballast impedance in series connection with a two-filament discharge lamp, said series connections to said lamp being made to one end of each filament; a bimetallic strip connected to the other end of one of said filaments; a resistance rod in heat-conducting relationship with said bimetallic strip yet insulated therefrom, said resistance rod connecting one end of one filament to one end of the other filament; and a pair of electrical contacts connected together and to the other end of the other filament through low resistance paths, one contact being normally closed with an end of said bimetallic strip when the circuit therethrough is unenergized, and the other

contact being normally spaced from said bimetallic strip but adapted to be engaged thereby upon distortion of said bimetallic strip when the circuit through said bimetallic strip is energized.

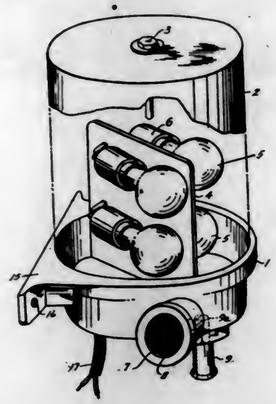
2,426,230
TOILET
William P. Miller, Oakland, Michael A. Davalle, San Leandro, and Virgil E. Dickens, Alameda, Calif.
Application August 30, 1945, Serial No. 613,691
3 Claims. (Cl. 4—111)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft toilet including, an upright receptacle having an open top and bottom, a pivoted closure overlying the top of the receptacle, means for latching the closure in its closed position, a pivoted closure underlying the bottom of said receptacle, an actuating lever having connection with the bottom closure for swinging the same open and closed relative to said receptacle bottom, retractable means for locking the lever in its closed position against movement, means having connection with the retractable means and operable upon latching of said top closure in its closed position for actuating said retractable means to permit movement of said lever, an air blast tube communicating with the top of the receptacle, and means operable by said lever for directing air under pressure into said tube upon latching of the top closure and opening of the bottom closure.

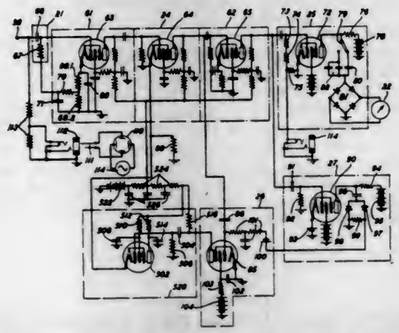
2,426,231
AIR HEATER
Carson C. Morse, Miami, Fla.
Application September 6, 1945, Serial No. 614,800
3 Claims. (Cl. 219—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A heating device for supplying heated air to a gyroscopic instrument comprising a base member provided with a recess therein, a hollow cover member adapted to fit within said recess, means extending through said cover member and being connected with said base member for securing same in assembled relation, a baffle member integral with and extending upwardly from said base member, said baffle member engaging the side walls only of said hollow cover member and ending slightly spaced from the top of the latter thereby forming a dividing means within said hollow cover member, supporting means on said baffle member for supporting heating means on both sides thereof, an air inlet in the inlet side of said base member, and an air outlet provided



for in the outlet side of said base member for permitting the flow of air along both sides of the baffle member and the heating means thereon and from said cover member to the said gyroscopic instrument.

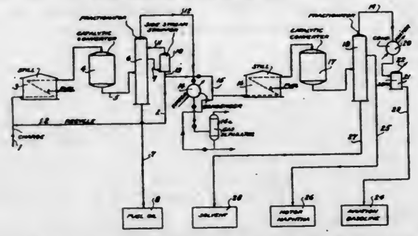
2,426,232
DISTANCE MEASURING SYSTEM
Russell C. Newhouse, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 5, 1944, Serial No. 521,173
3 Claims. (Cl. 250—1.68)



1. In combination with a distance determining system including means for receiving a plurality of frequencies and for obtaining a wave having a frequency representing the distance being determined, a first means connected thereto for attenuating frequencies below that of the wave and amplifying said wave, means controlled by the first means for obtaining a first voltage having an amplitude representing the first-mentioned frequency, a circuit including a second amplifying means coupled in feedback relation with said first means, said second amplifying means including means in the output thereof for increasing the effectiveness of said second amplifying means at low frequencies without increasing the phase

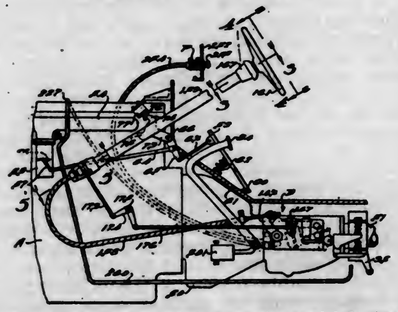
shift thereof, and means for introducing the said first voltage into the gain control circuit of said second amplifying means to control the feedback action of said second amplifying means at frequencies above that of said distance representing wave.

2,426,233
PRODUCTION OF AVIATION BASE FUEL
Roger H. Newton, Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application March 28, 1942, Serial No. 436,547
6 Claims. (Cl. 196—52)



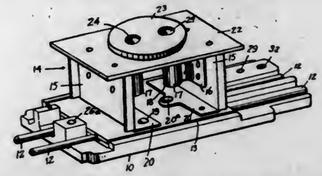
1. In the production of high grade fuels of the gasoline type including aviation fuels, the process comprising subjecting hydrocarbon charging stock to catalytic cracking in the presence of a body of highly active cracking catalyst, separating from products of said cracking a light normally liquid distillate having an end point in the range of 180° F. to 260° F. and a heavier distillate having a boiling range from approximately the end point of said light distillate to a temperature within the range of 325° F. to 475° F., returning a portion only of said heavier distillate to said first body of catalyst with said hydrocarbon charging stock, subjecting said light distillate and the remainder of said heavier distillate to catalytic cracking in the presence of a second body of highly active cracking catalyst, and separating a product of the gasoline type from the products of the last named cracking step.

2,426,234
POWER TRANSMISSION
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application June 26, 1941, Serial No. 399,804. Divided and this application June 26, 1942, Serial No. 448,544
22 Claims. (Cl. 74—335)



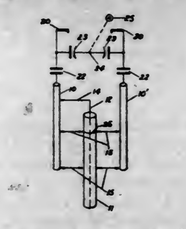
1. In combination with a motor vehicle transmission having a member shiftable from neutral position to a high-speed position and to a low-speed position for establishing different speed ratio drives through said transmission, a shift yoke operably engaging said member; a manually operable lever and a power operable lever engaging said yoke; power means for operating said power operable lever; and means operable by said manually operable lever while said yoke is in neutral position for rendering said power means operable to shift said member.

2,426,235
OUTLET BOX UNIT
Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 27, 1944, Serial No. 560,670
3 Claims. (Cl. 173—330)



1. An electrical unit comprising mutually spaced insulating members, one of said insulating members being provided with mutually parallel grooves, a pair of opposed mutually spaced metal plates connected to and separating said insulating members, said mutually spaced metal plates extending normal to said insulating members, a terminal receiving member conductively connected to each of said plates, said receiving member being in the form of a strap having an intermediate cylindrical portion adapted to receive the terminal of a plug, parallel conductors disposed in said grooves and conductively connected to said metal plates through one of said insulating members, the other of said insulating members having holes therein alined with said cylindrical portions, a base connected to one of said insulating members, and a cover of insulating material enclosing said metal plates and their respective receiving members.

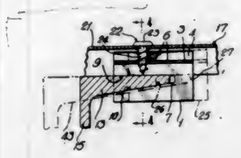
2,426,236
COUPLING SYSTEM
Robert M. Page, Washington, D. C., Merril F. Distad, Cheverly, Md., and Roger T. Wilson, Washington, D. C.
Application August 25, 1942, Serial No. 456,046
12 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



11. Means for coupling a pair of high frequency circuits to a concentric transmission line comprising a pair of rigid conductors equally spaced in parallelism from the central axis of said trans-

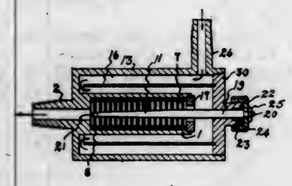
mission line and terminating in a plane normal to said axis, means coupling each of said circuits to separate conductors of said pair of conductors, and means coupling said conductors to said transmission line, the last-named means including short-circuiting means connecting the outer conductor of said transmission line to said pair of conductors in said plane of termination, and means conductively connecting the inner conductor of said transmission line to one of said conductors at a point thereon intermediate said plane of termination and said circuits.

2,426,237
CLIP FOR SHEET METAL PARTITIONS
William Pfeifer, Jr., Hackensack, N. J.
Application May 16, 1945, Serial No. 594,018
3 Claims. (Cl. 189—35)



1. A device for connecting a corrugated partition to a channel having two tapering webs, said device including a clip having two parallel legs, said legs being vertical to the channel and having diverging recesses to receive one of the tapering webs of said channel, a trough-like web connecting said legs and spaced from a crest of said corrugated partition while the adjacent ends of the legs engage the partition, there being a row of screw receiving openings in said web and a screw piercing the crest of said sheet and entering one of the openings in said web to cut threads in the edge of the web surrounding such opening to connect said sheet to said clip.

2,426,238
VARIABLE FLOW RESTRICTOR
Edmond D. V. Platon, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1943, Serial No. 478,692
In France March 15, 1941
10 Claims. (Cl. 138—43)



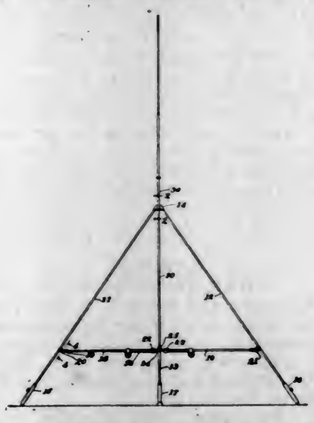
1. A pressure regulator as described comprising a closed housing, means within said housing forming a plurality of chambers connected in series by restricted passages of progressively increasing area, and means surrounding said housing to form an elongated passage, a portion of which is formed by the exterior wall of said housing, said elongated passage connecting with an intake opening and with the chambers at the entry side of the chamber assembly.

2,426,239
ROCKET SHELL
Henry M. Renner, Cedartown, Ga.
Application December 28, 1942, Serial No. 470,378
12 Claims. (Cl. 102—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



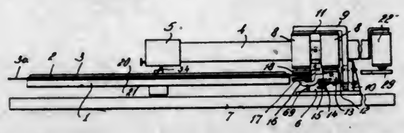
1. A round of ammunition comprising a primary propellent charge, a projectile including a rocket propellent charge and racket tubes communicating with said propellant charge, a fuse tube leading through said projectile to said rocket charge, a disk bearing on the rear end of said projectile to transmit the thrust from the primary propellent charge to the projectile, an aperture in said disk in substantially gas tight engagement with the exterior of said fuse tube, and a delay fuse passing through said fuse tube to transmit ignition from the primary propellant to the rocket propellant.

2,426,240
PORTABLE ANTENNA MOUNTING
Avery G. Richardson, Boonton, and Casper S. Bednash, Jersey City, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 27, 1943, Serial No. 477,346
6 Claims. (Cl. 248—44)



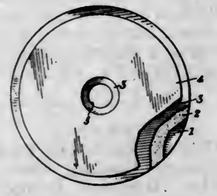
1. A tripod antenna support for antenna rod comprising three leg rods, means for retaining said antenna rod and the three leg rods in juxtaposition with each other including means for readily detachably and fixedly mounting said leg rods at one of their ends on said retaining means to outline a pyramid with its apex at the top, said retaining means being provided with an opening to accommodate said antenna rod, the other ends of said leg rods being supported from the ground, antenna mounting means adapted to be supported above the surface of the ground below said apex, a separate support rod readily detachably fastened at one end to an intermediate point of each one of said leg rods, means for readily detachably fastening the other ends of said support rods to said antenna mounting means, said support rods being of such length as to extend in a substantially horizontal plane to a point beneath said apex, and adjustable means at the lower end of each of said leg rods comprising a hollow metal sleeve formed with a sharp ground-piercing end, and permanently attached roller cam means and said sleeve cooperating with said leg to adjustably retain the end of said leg in a desired position within said sleeve.

2,426,241
PHONOGRAPH RECORDING AND REPRODUCING SYSTEM
Isaac P. Rodman, Cambridge, Mass., assignor to Columbia Recording Corporation, New York, N. Y., a corporation of Delaware
Application February 11, 1943, Serial No. 475,529
18 Claims. (Cl. 274—13)



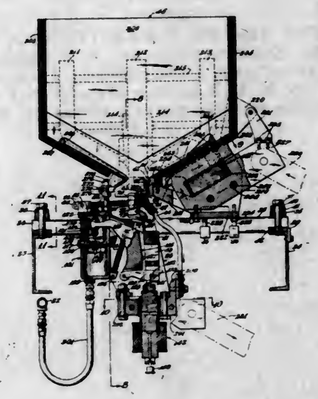
1. A phonographic transcribing system comprising a recording turntable and a plurality of reproducing turntables, a recording device associated with said recording turntable, a pickup arm associated with each reproducing turntable, lifting means associated with each of said pickup arms adjustable to lift each said arm vertically a predetermined distance, a friction disc on each reproducing turntable having an annular portion extending beyond the edge of the turntable, stopping means coacting with opposite sides of said annular portion operable to grip and release the same, unicontrol means connected to said lifting means by which a plurality of said pickup arms may be lifted or dropped simultaneously, and unicontrol means connected to said stopping means by which a plurality of said stopping means may be actuated simultaneously.

2,426,242
LACQUER
Otto Saslaw, Kearny, N. J., assignor to International Telephone & Radio Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Original application July 2, 1942, Serial No. 449,529. Divided and this application February 8, 1945, Serial No. 576,853
3 Claims. (Cl. 106—193)



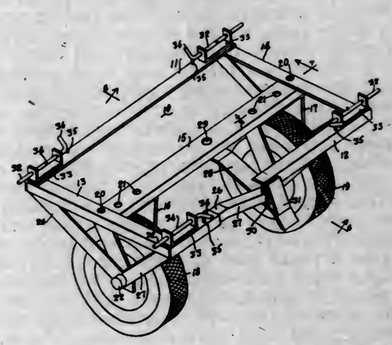
2. A lacquer consisting of approximately 1 part by weight of A, approximately 5 parts by weight of B and from 2 to 10 parts by weight of C, where A comprises about 60 parts by weight of ethylene glycol mono-methyl ether acetate and 2 parts by weight of cellulose acetate, part B is ethylene glycol mono-methyl ether acetate and part C is an approximately 5% solution of selenium dioxide in ethyl alcohol.

2,426,243
CIRCUIT INTERRUPTER AND CONTROL THEREFOR
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application January 3, 1941, Serial No. 373,051. Divided and this application March 4, 1943, Serial No. 477,911
15 Claims. (Cl. 200—82)



1. In switch gear for controlling electrical circuits, a movable contact structure, a complementary contact structure, compressed air operating means for actuating and maintaining said movable contact into engagement with said complementary contact; a source of compressed air, means interconnecting said compressed air source and said operating means, said interconnecting means including a control valve, said valve comprising metallic seating members and operating means therefor comprising a pair of flexible diaphragms operable by the pressure of the air and controllable by a pair of auxiliary valves.

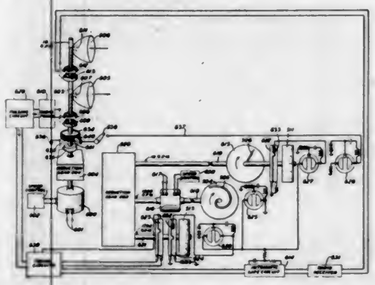
2,426,244
DOLLY
Philip N. Sitton, Dayton, Ohio
Application January 1, 1945, Serial No. 570,857
12 Claims. (Cl. 280—61)



1. A carriage or dolly comprising a frame having a cross beam, bracket means extending down-

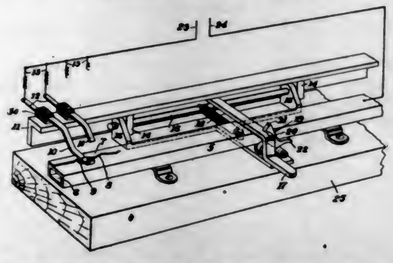
wardly from said cross beam and upon which wheel means are carried, brace means extending between said bracket means and said frame, bolt means slidably carried at each corner of the frame for extension beyond the frame to engage a device to be carried thereupon, and means extending beyond said frame substantially normal to the axis of the wheel means adapted to be engaged by a lifting means for rotating the frame upon the axis of the wheel means.

2,426,245
TIME AND DISTANCE MEASURING SYSTEM
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1943, Serial No. 505,673
5 Claims. (Cl. 250—1.62)



3. A range measuring system comprising means to transmit a train of recurrent pulses, means to receive reflected pulses from a distant object, a fast timing circuit for generating a succession of potentials recurring cyclically at a relatively fast rate, each cycle commencing with the transmission of a pulse, said fast timing circuit serving to correlate the potential at each instant with the elapsed time since the transmission of a pulse, a slow timing circuit for generating substantially the same succession of potentials recurring cyclically at a relatively slow rate, a range scale and an index therefor, means to vary the relative position of said index along said scale in cyclic manner once during each cycle of said slow timing circuit, said scale and index serving to correlate each value of potential in said slow timing circuit with a range value for the distant object, a lamp for stroboscopically illuminating said scale and index, a flashing circuit for said lamp, means to compare the instantaneous potentials of said respective timing circuits, means to sensitize said flashing circuit for a predetermined period immediately following an occurrence of matched potentials, thereby sensitizing said flashing circuit once per cycle of said fast timing circuit when the elapsed time since the transmission of a pulse corresponds to the range value simultaneously indicated by said scale and index, and means to actuate said flashing circuit to flash said lamp when a reflected pulse is received during a period of sensitivity of said flashing circuit, thereby illuminating said scale and index when the time elapsed from the transmission of a pulse until the receipt of the reflected pulse corresponds to the range reading indicated by the scale and index at the instant of receipt of the said reflected pulse.

2,426,246
CONTACTING DEVICE FOR ELECTRICAL ELEMENTS
Murray Fontaine Skinker, Montclair, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 23, 1943, Serial No. 495,858
4 Claims. (Cl. 173—324)



1. Contacting means for a semi-conductor element comprising a conducting platform, on which a plurality of said elements are adapted to rest, positioning means for said elements comprising a serrated strip on said platform against which said elements are placed to engage the serrations of said strip, a plurality of spring contact members for making contact individually with the opposite electrodes of each element, a pivotally mounted supporting member on which said contact members are mounted, and a lever for moving said supporting member to move said contact members into or out of contact with said electrodes.

2,426,247
GETTER APPARATUS
Benjamin Franklin Steiger, Maplewood, N. J., assignor to United Electronics Company, Newark, N. J., a corporation of New Jersey
Application March 24, 1943, Serial No. 480,283
2 Claims. (Cl. 206—0.4)

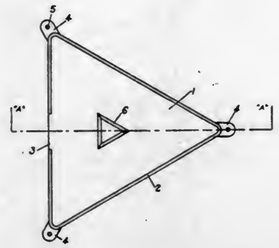


1. A getter structure for a vacuum tube comprising a getter isolated from the electrode structure of said tube, a tube surrounding said getter open at both ends, and a closed path for electric currents including a supporting structure within the tube for said getter.

2,426,248
MANUFACTURE OF CARBON TRANSFER INK
Nathan Sugarman, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application July 1, 1944, Serial No. 543,175
13 Claims. (Cl. 106—23)

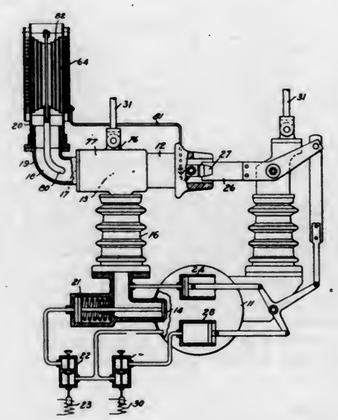
8. In the manufacture of carbon inks, the step of incorporating an oxidized wax, which contains fatty acids of chain lengths of from twenty to thirty carbon atoms, into carbon black in oil, producing an increase in the dispersion of the carbon black therein and the fluidity of the product, affording a fluid dispersion.

2,426,249
MIXING MAT
John A. Taylor, Rockaway, N. J.
Application November 10, 1943, Serial No. 509,741
9 Claims. (Cl. 259—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



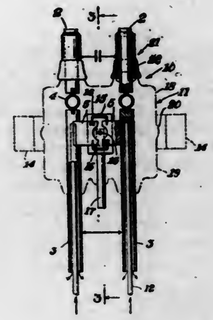
1. A device for blending powder mixes comprising a mat having an elevated portion located centrally thereon, a lip partially extending about the periphery of said mat, and means for suspending said mat to impart a tumbling motion thereto, said means being located entirely near the periphery of said mat.

2,426,250
GAS BLAST CIRCUIT BREAKER
Philip L. Taylor, Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 21, 1943, Serial No. 487,888
9 Claims. (Cl. 200—148)



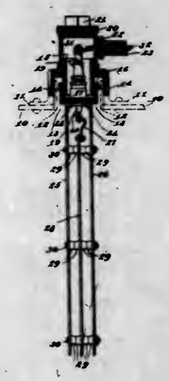
8. In a gas blast circuit breaker, a first chamber provided with a pair of main contacts therein, a second chamber provided with a pair of arcing contacts therein connected electrically in parallel with said main contacts, an interrupting chamber adjacent said second chamber, means for establishing a flow of gas sequentialy through said first, second and interrupting chambers, and means comprising a barrier member positioned between said pair of arcing contacts and said pair of main contacts for impeding movement to said pair of main contacts of products of arcing emanating from an arc at said pair of arcing contacts.

2,426,251
FLEXIBLE CONNECTOR
Warren G. Taylor, Essex Fells, and Charles L. Baxter, West Caldwell, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1946, Serial No. 660,102
12 Claims. (Cl. 250—27.5)



1. A connector for an electron discharge device comprising two relatively rigid portions and an intermediate connecting portion having a tubular configuration with its axis substantially perpendicular to said rigid portions.

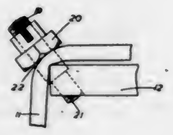
2,426,252
SYSTEM OF FLAT ELECTRODES
E. Craig Thomson, Boston, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application January 13, 1944, Serial No. 518,131
2 Claims. (Cl. 200—152)



1. An electrode system for use in an electrical circuit associated with a container, comprising

a connector housing including a base, a nipple mounted in said base, a cap member attached to the inner end of said nipple, a closing member attached to the outer end of said nipple and being provided with an orifice for admitting an electrical conductor wire, and a removable closure means located in said closing member above said orifice; an insulating connector mounted in said cap member; a conductor leading through said connector; a probe plate electrically connected to said conductor; a second probe plate parallel with said first plate and fastened to said housing; and electrical insulators separating said plates and fastening them together, said closure means providing access to the outer end of said conductor for attaching it to said wire.

2,426,253
ELECTROMAGNETIC RELAY
Stanley Herbert Towner, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 20, 1943, Serial No. 495,447
In Great Britain August 18, 1942
5 Claims. (Cl. 175—345)

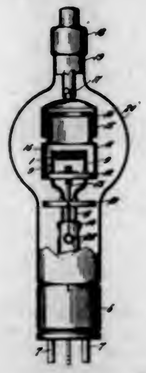


1. A relay of the type in which the armature is supported on a knife edge on the yoke comprising in combination with a yoke providing a knife edge bearing and an armature formed to provide a co-operating bearing groove in the inner surface of its bend and provided with an opening therethrough, of retaining means for the armature consisting of a connecting member engaging the yoke to pass freely through the armature opening, said member substantially intersecting said knife edge a non-resilient stop element on the projecting end of the connecting member adapted for positioning at a distance from said knife edge such that said armature is restricted to a pivotal movement about said knife edge.

2,426,254
ANODIC TREATMENT OF MAGNESIUM AND ITS ALLOYS TO FORM PROTECTIVE COATINGS THEREON
Herbert Waterman, Los Angeles, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
No Drawing. Application April 23, 1943, Serial No. 484,218
9 Claims. (Cl. 204—56)

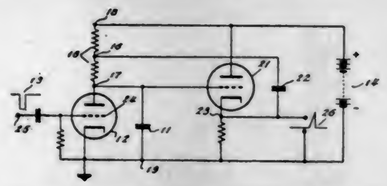
1. The method of electrolytically forming a protective film on a magnesium object which comprises electrochemically treating the object, as an anode, in an electrolyte consisting of a substantially saturated solution of alkali carbonate while maintaining the solution about 50° C., the anodic treatment being continued until the current flow decreases to a relatively small value due to the electrical resistance of the resulting film.

2,426,255
CATHODE FOR ELECTRON DISCHARGE DEVICES
William Widmaier, Elizabeth, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 30, 1945, Serial No. 613,455
18 Claims. (Cl. 250—27.5)



1. An electrode consisting of metallic strips folded on substantially transverse lines with progressive reverse bends and having the strips interfolded in angularly disposed relation.

2,426,256
SWEEP CIRCUIT
Hughes M. Zenor, Tulsa, Okla., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application July 8, 1944, Serial No. 544,062
12 Claims. (Cl. 320—1)

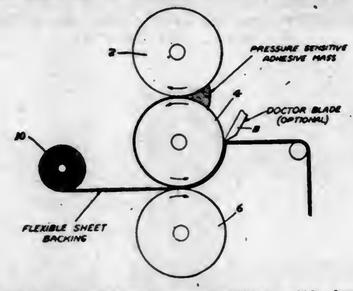


1. In combination, a capacitor and a resistor in series, means for causing a current to flow in a first direction through said capacitor and said resistor, means for causing a current to flow in a second direction through said capacitor only, and means responsive to the voltage drop across said capacitor for maintaining the voltage drop across at least a portion of said resistor substantially constant during the flow of current in said first direction.

2,426,257
PRESSURE SENSITIVE ADHESIVE AND ADHESIVE TAPE
Paul F. Ziegler, Winnetka, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application August 2, 1940, Serial No. 349,973
1 Claim. (Cl. 154—53.5)

An adhesive tape comprising a flexible sheet backing, having on one side thereof a pressure-sensitive adhesive, comprising a normally solid

aromatic sulfonamide-formaldehyde resin, cellulose acetate and a non-volatile liquid toluene sul-



fonamide plasticizer compatible with both said resin and said cellulose acetal.

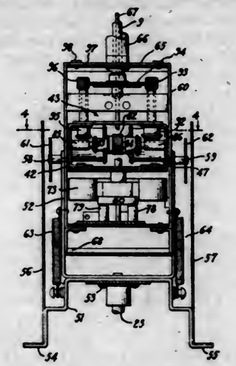
2,426,258
HAIR CURLING CLASP
Patsy Casazza, Sr., Paterson, N. J.
Application June 11, 1946, Serial No. 675,982
5 Claims. (Cl. 132—46)



4. A hair clasp adapted to retain a coil of hair therein comprising two elongated members connected in generally parallel relationship one above the other, means swingably connecting said members together adjacent the same end of each means constantly urging the members to closed position, the first of said members being substantially straight throughout its coil-engaging portion and the second of said members having in its coil-engaging portion two arches adjacent each other the concavities of which face the first member, the arches being of substantial height and length so that they may receive opposite side portions of a coil of hair, the second member substantially contacting the first member when the two members are together at the ends of the arches, the first arch, immediately adjacent the means swingingly connecting the two members together, having a longitudinal span substantially less than, and a height substantially greater than, the corresponding dimensions of the second arch, adjacent thereto, the portion of the second of said members connecting the two arches being solid and substantially narrower than the two arches throughout the major portions of their length, the parts of the second member making up the arches being formed with openings therethrough of substantial length and width.

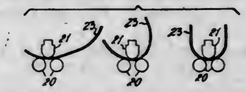
2,426,259
TOY AIRCRAFT
Frederick A. Christiansen, Beverly Hills, Calif., assignor of fifty per cent to Lane Rhodes, Santa Monica, Calif., and fifty per cent to William H. Hammer, Beverly Hills, Calif.
Application August 17, 1945, Serial No. 610,999
9 Claims. (Cl. 272—31)

1. Toy aircraft comprising a motor unit, means supporting said motor unit for rotation on a vertical axis, means supporting said motor unit for tilt movement on a horizontal axis, a propeller shaft connected to said motor unit, an oscillating aircraft support tube, a reversible drive actuated by said motor unit, electro-magnetic means for shifting said reversible drive, and a control handle



and contacts controlled thereby in circuit with said electro-magnetic means.

2,426,260
METHOD OF DEFORMING SHEET MATERIAL ON PREDETERMINED SPACED LINES
Wilbur E. Courtney, Philadelphia, Pa., assignor to Kaiser Fleetwings, Inc., a corporation of California
Application January 5, 1944, Serial No. 517,069
5 Claims. (Cl. 153—33)

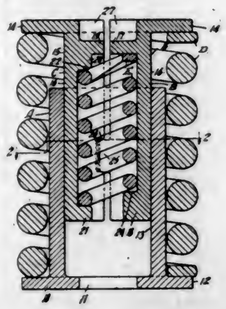


1. The method of forming sheet material which comprises placing a sheet of material at one side of a pair of yieldably mounted rolls mounted to rotate on spaced axes extending in the same general direction, successively applying force to the side of the sheet material remote from the rolls, lengthwise in the direction in which the rolls extend, said force being applied on predetermined, spaced lines extending in the same general direction and in planes between parallel planes passing through the axes of the roll, the force applied in each successive operation being in amount sufficient to deform the sheet by at least partially forcing it between the rolls, whereby, during the deformation, the rolls are caused to yield and to rotate and to exert a rolling counter pressure against the side of the sheet in contact with them, and varying the limit of application of force at opposite ends of the material.

2,426,261
FRICTION SHOCK ABSORBER
George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 8, 1944, Serial No. 530,113
7 Claims. (Cl. 267—9)

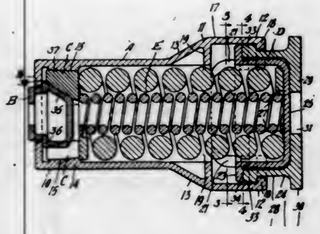
1. In a friction shock absorber, the combination with a friction casing; of a pair of friction shoes telescoped within the casing and having sliding contact with the interior wall thereof; a lengthwise extending helical spring tightly embraced by said shoes and having diametrically opposite sides thereof stressed respectively in reverse directions lengthwise of the spring, said shoes having interior, transverse abutment shoul-

ders at the opposite ends thereof, the shoulders of one shoe being offset in the same direction with respect to the shoulders of the other shoe, said shoulders bearing on the opposite ends of the spring; interengaging locking means on said shoes for holding the same against relative dis-



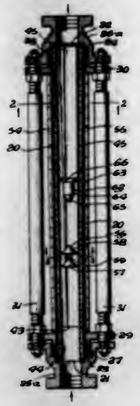
placement in lengthwise direction and thereby maintain said spring in said stressed condition; and spring means yieldingly opposing relative longitudinal movement of the casing and shoes toward each other.

2,426,262
RAILROAD DRAFT GEAR FRICTION SHOCK ABSORBING MECHANISM
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 25, 1944, Serial No. 551,205
7 Claims. (Cl. 213—24)



1. In a friction shock absorbing mechanism, the combination with a casing having a friction shell section at one end; of a two-piece spring cap slidingly telescoped within the other end of the casing, said spring cap comprising a pair of nested cup-shaped members, each cup-shaped member having guide flanges thereon, the flanges of each member of said pair overlying the corresponding flanges of the other member in registering relation; interengaging means on said overlying flanges of said members locking the same against relative rotation; longitudinally extending guideways in said casing slidingly receiving the guide flanges of said members and holding said members against rotation with respect to the casing, said guideways being provided with lateral openings through which the guide flanges of said members may pass freely in edgewise direction; a friction clutch slidingly telescoped within the friction casing; and spring means within the casing extending lengthwise thereof and bearing at opposite ends on said clutch and spring cap respectively to yieldingly oppose movement of said clutch and cap inwardly of the casing.

2,426,263
VISCOSIMETER
Kermit Fischer, Bridge Valley, Pa.
Application May 15, 1944, Serial No. 535,626
3 Claims. (Cl. 73—56)



1. A device for determining the viscosity of a moving fluid which comprises a downwardly-tapered metering tube adapted for upward flow of fluid therethrough, a metering float disposed within said tube and adapted for up-and-down movement therewithin responsive to variations in fluid rate-of-flow, said float being relatively insensitive to variations in fluid viscosity, and having at least two axially-spaced flow-constricting head portions and an intervening reduced-diameter connecting portion, and a second metering float disposed within said tube above said first-mentioned float, said second float being sensitive to variations in both rate-of-flow and viscosity, said tube being provided with a plurality of circumferentially-spaced inwardly-protruding axially-extending beads providing parallel line-contacts for float guidance.

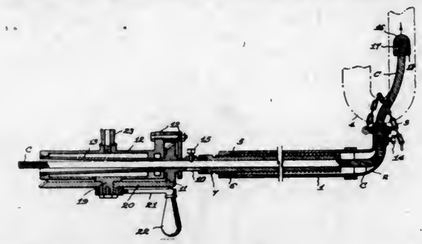
2,426,264
PRODUCTION OF ALLYL ALCOHOL
George W. Fowler and John T. Fitzpatrick, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 16, 1945, Serial No. 573,136
4 Claims. (Cl. 260—632)

1. Process for making allyl alcohol which comprises passing propylene oxide vapors over a catalyst composed of trilithium phosphate at a temperature between about 200° and about 300° C., and recovering allyl alcohol from the effluent products.

2,426,265
DRAINPIPE CLEANER
Patrick Gavin, Brooklyn, N. Y.
Application November 23, 1945, Serial No. 630,351
1 Claim. (Cl. 15—104.30)

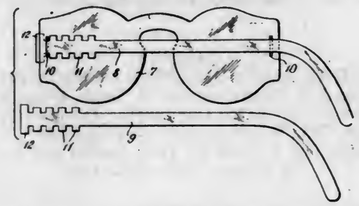
An apparatus of the character described comprising: a casing having means for attaching it to a pipe to be cleaned, a tubular feeder having threaded connection with the casing, a cable extending through the feeder and through the casing and adapted to be fed by the feeder into said pipe, means for locking the cable to the feeder,

means for locking the cable to the casing, and means for rotating the feeder to screw it into the



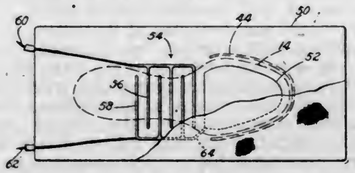
casing while the cable is locked thereto and unlocked with respect to the casing.

2,426,266
SUNGLASSES
Lotte W. Haas, New York, N. Y.
Application September 6, 1945, Serial No. 614,621
1 Claim. (Cl. 2—14)



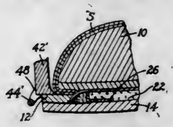
Sunglasses consisting of a bridge piece and two temple pieces, the bridge piece having vertically disposed openings therethrough near its ends through which the temple pieces extend and the temple pieces having similar projections along their upper and lower edges in pairs with those of each pair opposite each other and the vertical dimension of the openings in the bridge piece being slightly less than the vertical dimension of the temple piece across a pair of the projections, whereby the projections preclude movement of the temple pieces in the direction of their length through the openings in the bridge piece but permit movement of the ends of the temple pieces having the projections thereon through said openings step by step, one projection at a time, by a rocking movement of each temple piece in the plane in which it lies.

2,426,267
ATTACHING SOLES TO WELTED SHOES
George T. Hart, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 23, 1944, Serial No. 536,857
3 Claims. (Cl. 12—142)



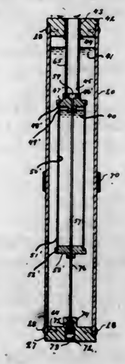
1. That improvement in methods of attaching outsoles to shoes having welt strips attached thereto by inseams, which consists in bringing together an outsole and the welt strip of a shoe to at least one of which a band of cement has been applied directly beneath the welt strip, bringing an insulated holddown electrode into contact with substantially the whole width of the upper face of the welt strip, forcing together said electrode, the welt strip and the outsole, and heating the cement in situ by passing a high-frequency electrostatic field directly through the band of cement and extending from said insulated holddown electrode to another electrode outside the outsole.

2,426,268
METHOD OF SOLE ATTACHING USING HIGH-FREQUENCY FIELD
George T. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application May 23, 1944, Serial No. 536,857. Divided and this application February 26, 1947, Serial No. 731,077
5 Claims. (Cl. 12—142)



1. The method of cement sole attaching with welt shoes and the like, comprising the steps of securing an inner electrode strip on the shoe bottom near the inner face of the inseam, laying the sole on the shoe with a marginal band of unactivated thermoactive cement therebetween, providing marginal compacting pressure to the sole and welt, positioning an outer electrode about the shoe, activating the cement by the application of a high-frequency field established between said electrodes, and removing the pressure after the cement has become set.

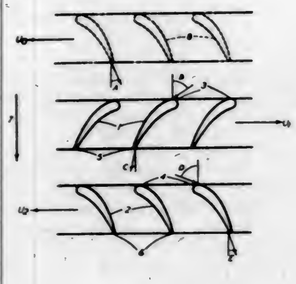
2,426,269
EXPLOSIVE DEVICE
Nevil Monroe Hopkins, New York, N. Y.; Raymonde B. Hopkins, executrix of said Nevil Monroe Hopkins, deceased, assignor, by mesne assignments, to Raymonde Briggs Hopkins, Samuel Lloyd, and Murray T. Quigg, as trustees
Application March 9, 1942, Serial No. 433,989
3 Claims. (Cl. 102—24)



1. An explosive device, comprising a casing hermetically enclosing a liquid combustible body,

a closed chamber substantially centrally disposed in and surrounded by the combustible body in said casing, said chamber containing a quantity of liquid nitrogen tetraoxide which when admixed with the combustible body in said casing produces a liquid explosive, means operable from outside said casing to open said chamber to bring about such admixture, and a vent for said casing, said vent opened by an element of the chamber-opening means.

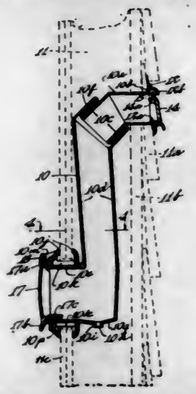
2,426,270
BLADES FOR AXIAL FLOW COMPRESSORS AND TURBINES
Alun Raymond Howell, Neath, England, assignor to Power Jets (Research and Development) Ltd., London, England, a British company
Application June 10, 1944, Serial No. 539,731
In Great Britain April 5, 1943
Section 1, Public Law 690, August 8, 1946.
Patent expires April 5, 1963
16 Claims. (Cl. 230—123)



1. A rotary turbine type power conversion machine for use with a compressible viscous working fluid, including at least one rotative row of axial flow type blades having leading and trailing edges, said blades being so shaped and so operatively positioned that the angles of the blades at said edges are varied along the blades to conform to a fluid flow across said row of blades, in which flow the local magnitudes at each radial distance from the axis of rotation of said blade row of the peripheral components of the absolute fluid velocities before entering and after leaving said blade row respectively differ by an amount substantially inversely proportional to said radial distance, being themselves related to said radial distance otherwise than in inverse proportionality.

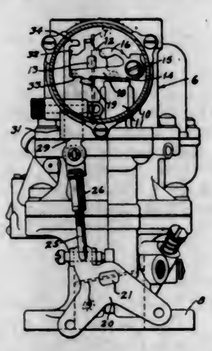
2,426,271
MAIL BOX FOR WALLS
Herbert P. Johnson, Minneapolis, Minn.
Application September 25, 1946, Serial No. 699,221
10 Claims. (Cl. 232—19)

1. A mailbox for installation in a wall having in combination, a member of flexible and foldable material, the same having a passage therethrough and having an upper laterally extended portion with an open end constructed and arranged to extend through one side of a wall, an intermediate portion extending downwardly from said upper portion within said wall and a lower



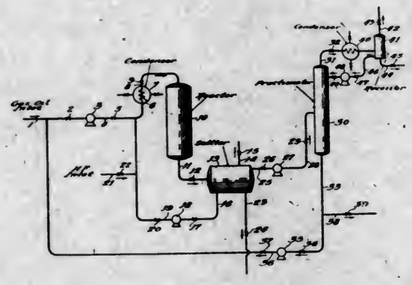
portion extending laterally through the opposite side of said wall and having an open end.

2,426,272
CHOKE AND THROTTLE CONNECTION
Raymond G. Hennemann, St. Louis County, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 14, 1944, Serial No. 549,454
1 Claim. (Cl. 261—52)



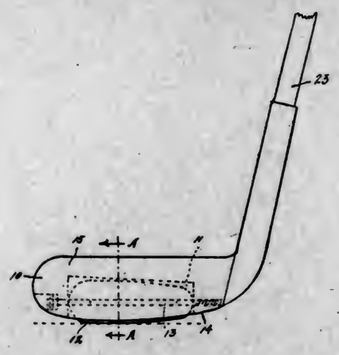
In a carburetor having choke and throttle valves, pivoted control members movable respectively with said valves, said members being substantially disaligned both as to their axis and their planes of operation, and interconnection linkage between said members comprising first and second end links, said first end link being directly engageable by said choke control member and being guided for axial, rectilinear movements only, and the other end link being pivotally connected to said throttle control member, a first intermediate part swiveled at its upper end about a transverse axis to said rectilinearly movable link, and a second intermediate part having an adjustable pivotal joint connection with said first intermediate part about a longitudinal axis and threadedly connected to said second end link whereby said linkage will adjust itself without binding disalignment of said control members and the length thereof may be adjusted by rotation of said second intermediate part without disassembly of said linkage from said control members.

2,426,273
CATALYTIC CRACKING OF HYDROCARBONS
Warren W. Johnstone, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 14, 1945, Serial No. 616,335
4 Claims. (Cl. 196—52)



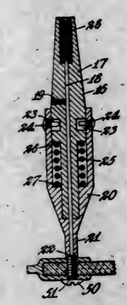
1. A catalytic cracking process which comprises subjecting a high boiling hydrocarbon to the action of a catalyst comprising hydrogen fluoride and aluminum at a temperature within the range of about 150° to 400° F. and under a pressure sufficient to maintain the hydrogen fluoride and hydrocarbons substantially in the liquid phase.

2,426,274
PUTTER USED IN PLAYING GOLF
Daniel Kramer, Cleveland, Ohio
Application April 21, 1944, Serial No. 532,092
1 Claim. (Cl. 273—77)



In a putter used in playing golf, the combination of a putter head having a recess formed therein behind the striking face thereof, a roller of oblong-ovate configuration rotatably mounted in the recess and shielded by the face of the putter head, the roller of oblong-ovate configuration projecting slightly below the lower edge of the striking face of the putter head, the lower edge being given a curvature corresponding substantially with that of the roller portion projecting below the lower edge of the putter head.

2,426,275
APPARATUS FOR SWEDGING SCREWS ON OPHTHALMIC MOUNTINGS
Daniel D. Krebs, Albert Lea, Minn., assignor, by mesne assignments, to Leslie W. Myers, Will R. Anderson, John R. Nelson, Albert L. Anderson, and N. P. Benson, all of Minneapolis, Minn., and Charles L. Waldo, Duluth, Minn., and Robert E. Lindmark, Eau Claire, Wis., copartners doing business as Cosmet Company, Minneapolis, Minn.
Application October 23, 1942, Serial No. 463,138
2 Claims. (Cl. 78—49)



2. Apparatus for swedging screws in ophthalmic mountings which includes, a cup-like mandrel for receiving the head of a screw, a swedging pin movable toward and away from said mandrel, a centering device movable with said pin for engaging said screw to align it with said pin, and means for rotating said pin and said centering device.

2,426,276
PREPARATIONS ACTIVE AGAINST COCCI INFECTIONS
Werner Meiser, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 16, 1940, Serial No. 314,091. In Germany January 19, 1939
5 Claims. (Cl. 167—65)

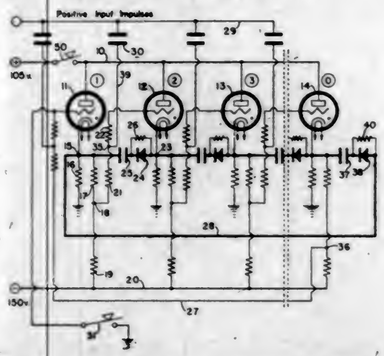
1. A preparation for combatting cocci infections which comprises a fatty oil solution of a member of the class consisting of the alkyl, cycloalkyl-alkyl, aralkyl and heterocyclyl-alkyl esters of paranitrobenzoic acid, paranitro-thiol-benzoic acid, and paranitro-thion-benzoic acid.

2,426,277
METHOD OF MAKING A WATER AND OIL-THINNABLE COATING COMPOSITION
Gustavus Harry Miller, Portland, Oreg.
No Drawing. Application April 18, 1944, Serial No. 531,658
7 Claims. (Cl. 106—227)

3. The process of making a composition for use as a dispersant in the production of water-thinnable and oil-thinnable coating compositions which comprises reacting about 16 parts of a comminuted rosin with a mixture comprising between about 1½ and about 4 parts alkali metal hydroxide, between about 4 parts and about 24 parts water, between about 1 part and about 6 parts pine oil, and between about ½ part and

about 2½ parts borax, parts being expressed as parts by weight, the reaction being effected at a temperature of between about 50° C. and about 100° C. for a time of between about ½ minute and about 5 minutes, and separating from the resulting mixture a solid phase comprising particles of rosin having surface coatings of alkali metal rosinate.

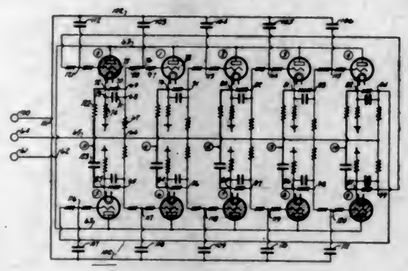
2,426,278
ELECTRONIC DEVICE
Robert E. Mumma, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 19, 1944, Serial No. 531,694
11 Claims. (Cl. 315—230)



1. In an electron tube counting ring including a plurality of gaseous discharge electron tubes each having at least an anode, a cathode, and a discharge control element, connected cathode of one tube to the control element of the next tube in the ring, in an endless operative chain wherein the tubes are rendered conducting serially in response to electric impulses to be counted which are impressed on the control elements, the combination of means for supplying operating potential to each cathode through a resistance; and unidirectional current-conductive means shunted by a relatively high resistance coupling the cathodes of each two adjacent tubes in the endless chain for passing the positive potential rise, appearing at the cathode of a tube as it commences to conduct, to the cathode of one of the next adjacent tubes but not to the other next adjacent tube.

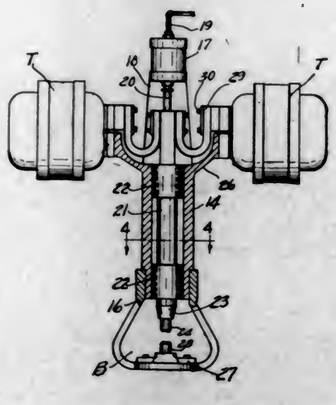
2,426,279
ELECTRONIC ACCUMULATOR
Robert E. Mumma and Ernest V. Gulden, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 30, 1942, Serial No. 441,102
16 Claims. (Cl. 315—230)

1. In combination, a plurality of gaseous electron discharge devices, each device including at least two electrodes and means to control conduction in the device; means to couple the devices in an endless chain series for sequential firing in response to impressed impulses, the coupling between successive devices of the series including a connection between one of the electrodes of a device and the control means of the next device of the series and enabling the conduction in one device to cause the next device in the series, if non-conducting, to be prepared to be fired in response to an impulse impressed thereon; means to impress impulses on the control means of the devices; and means for connecting the devices into groups for mutual extinguishing action within each group, the connections between corresponding electrodes of the devices of any group enabling the act of conduction beginning in any device of that group to cause any previously conducting device of that group to be extinguished without affecting any



of the devices of other groups, thus isolating the extinguishing action to the devices of that group, the means coupling the devices for sequential firing and the means for connecting the devices into groups being so coordinated that adjacent devices in the series are included in different groups and a device of each of the other groups will be fired before a recurrence of firing takes place within the devices of a group.

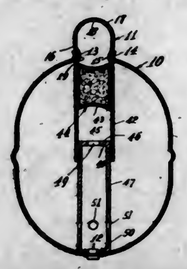
2,426,280
WELDING MACHINE
Leonard E. Nichols, Birmingham, Mich., assignor to Resistance Welder Corporation, Bay City, Mich.
Application August 18, 1945, Serial No. 611,313
7 Claims. (Cl. 219—4)



1. A resistance welding machine comprising a transformer, a combination center ram and conductor, an outer conductor connected to the transformer and arranged concentrically about said center ram and insulated therefrom, one of said conductors being mounted for reciprocal movement with relation to the other conductor, a "work" accommodating opening provided in the outer conductor, and pressure actuated means for reciprocating the center conductor.

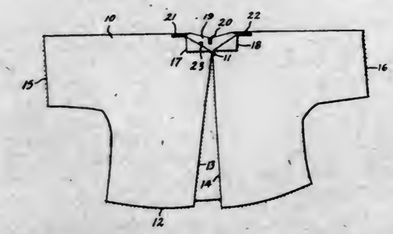
2,426,281
HEAD AND NASAL CLARIFIER
George W. Oakes, Rochester, Pa.
Application August 31, 1945, Serial No. 613,846
1 Claim. (Cl. 128—198)

In a head and nasal clarifier comprising a nozzle adapted to be placed in one of the nostrils and provided with a tubular extension; an elastic air-bulb and means for retaining same in air tight connection around said nozzle; said tubular extension containing a cartridge packed



with medicated material; a plunger secured to the lower, inner portion of said elastic air-bulb and operable in the lower end of said tubular extension; said piston and said tubular extension surrounded by said elastic air-bulb.

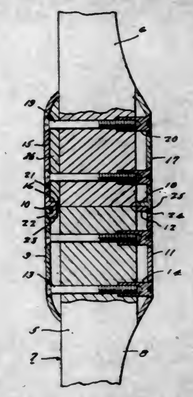
2,426,282
GARMENT
Dorothy Owen, Wauwatosa, Wis.
Application August 26, 1944, Serial No. 551,390
3 Claims. (Cl. 2—75)



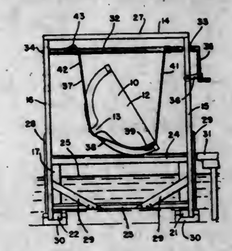
1. A device of the character described which is hemstitched vertically medially of the entire front panel thereof, and along the shoulder line centrally for a portion of its width, and a length of hemstitching at right angles to and extending rearwardly downwardly from the shoulder line stitch, the said stitches being cut to leave an opening centrally of the front panel and some of the shoulder and rearwardly disposed stitches being cut to form a collar portion.

2,426,283
ARCHERY BOW
Ben Pearson, Pine Bluff, Ark.
Application December 18, 1943, Serial No. 514,828
1 Claim. (Cl. 124—23)

An archery bow composed of a pair of limbs having one end in abutting engagement, plates secured to the front and rear surfaces of the limbs at their abutting ends, one of said rear plates having a pair of openings therein adjacent said abutting end arranged in right angular relation and a hooked lug carried by the other rear plate adapted for engagement in said openings to provide a hinged connection between the limbs.



2,426,284
LIFTING AND TURNING APPARATUS
Peter I. Peterson, Minneapolis, Minn.
Application May 16, 1946, Serial No. 670,186
10 Claims. (Cl. 214—1)

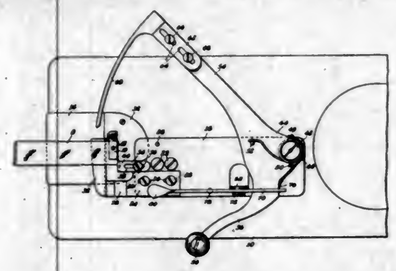


1. In combination, a rope adapted to extend about an object to be lifted and turned, winding means operable upon movement in one direction to simultaneously wind up both end portions of the rope to lift the object, said winding means causing unwinding of the end portions of the rope upon reverse movement thereof, and a catch movable into engagement with one end portion of the rope and operating to cause winding of said portion of the rope upon reverse movement of said winding means while the other end portion of the rope is being unwound.

2,426,285
BELT TURNING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Great Neck, and Jerry Sigoda, New York, N. Y., assignors to Man-Sew Corporation, New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 578,886
10 Claims. (Cl. 112—63)

1. In combination with sewing mechanism including a vertically reciprocating needle, belt turning means associated therewith comprising a fixed tubular guide at one side of said needle

in parallel relation to the feed path of the work adapted to be received between the folds of a belt forming strip stitched together at one end, and a relatively movable member operable to engage said end of the belt strip at the rear end of said guide, as the side edges of the folds are fed to



said needle, and reversibly turn the stitched folds through the guide, said member having a part operable to laterally project said end of the belt strip across the feed path of the work and beyond the unstitched side edges of said folds in advance of said guide.

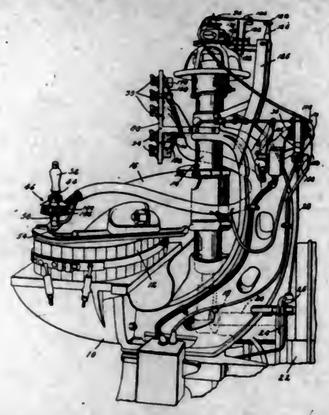
2,426,286
DENTAL X-RAY FILM IDENTIFIER
Frank J. Stadler, New York, N. Y.
Application January 18, 1945, Serial No. 573,369
2 Claims. (Cl. 250—67)



1. In a label identifier for dental X-ray films, consisting of a sheet of continuous material having an identifying character in X-ray transparent material on one side of said sheet, the feature which consists in having a similar but X-ray opaque character in reverse reading on the other or obverse side of said sheet.

2,426,287
DIEING-OUT MACHINE
Basil A. Strout, Farmingdale, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 8, 1945, Serial No. 615,198
8 Claims. (Cl. 164—23)

8. A clicking machine comprising a cutting block, a post mounted for reciprocation heightwise of the block, a presser arm carried by the post, power-operated means for initiating pressure-applying operation of the presser arm upon the block, an electrical circuit for controlling the operation of the power means including a solenoid, a starting switch and a trip switch, the trip switch comprising a fixed contact mounted at the upper end of the post and a lever arm pivotally mounted upon the frame of the machine and having a contact movable into engagement with the fixed contact, a spring normally operative to force the two contacts into engagement with each other, a latch carried by the lever, a pivoted plate arranged to engage the latch upon downward movement of the post and to separate the contacts upon a subsequent upward movement of the post, and means for disengaging the



latch to permit engagement of the two contacts upon movement of the arm angularly a substantial distance about the axis of the post.

2,426,288
COSMETIC APPLICATOR
Blakely A. Wagner, Los Angeles, Calif.
Application August 13, 1945, Serial No. 610,597
10 Claims. (Cl. 15—185)

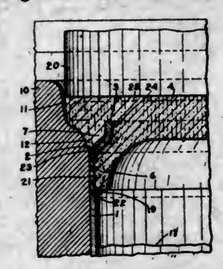


4. A cosmetic applicator having in combination a handle, a member telescopically slidable within said handle, an instrument holder pivotally mounted on the outer end of said member, and an instrument carried by said holder for applying cosmetics, and locking means formed in said member, handle and holder operable by relative rotation of said member and handle to positively lock said holder with said instrument in an extended position.

2,426,289
METHOD OF MAKING CARTRIDGE CASES
Robert H. Wallace, Lakewood, and Alex W. Knudsen, Rocky River, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 14, 1941, Serial No. 398,174
3 Claims. (Cl. 29—148.2)

1. The method of uniting a metallic annulus with a groove in a metallic base defined between a pair of spaced inner and outer annular flanges, said groove being slightly wider than the wall thickness of said annulus, inserting the annulus into a confining die with its end inserted into said groove, moving said base and annulus axially relative to said die to restrict radial movement of said annulus, moving a male die against said inner flange to force the same radially outward to pinch the annulus against said confining die, and

as the base and annulus are moved further to cause the inner flange to progressively iron the metal of said annulus out against said confining die to flow the metal of said annulus axially thereof as the outer flange is moved to engage the confining die to thereby form a continuation of said confining die wall and thereafter exerting



radially outward and axial pressure upon said inner flange causing metal of the annulus to flow toward the end thereof to thicken the same in said groove while continuing radial inward and outward pressures upon the outer and inner flanges respectively to lock said thickened portions of said annulus within said groove.

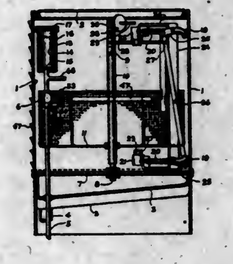
2,426,290
THREAD GRINDING WHEEL
John Ernest Wainwright, Coventry, England, assignor to Coventry Gauge & Tool Company Limited, Coventry, England
Application July 2, 1945, Serial No. 602,778
In Great Britain July 20, 1944
9 Claims. (Cl. 51—206)



1. A multi-ribbed grinding wheel for producing screw threads in which the flanks of certain of the ribs are inclined to the rotational axis of the wheel at the normal flank angle of the required screw thread and in which the flanks of the other ribs are inclined to said axis at an angle greater than said normal.

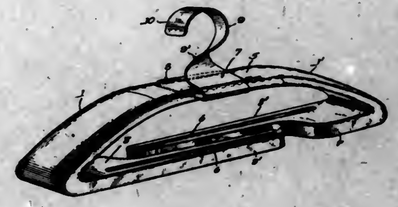
2,426,291
DISHWASHING MACHINE
Victor R. Abrams, Maplewood, N. J.
Application November 7, 1940, Serial No. 364,614
8 Claims. (Cl. 134—138)

8. A dishwashing machine having, in combination, a dish container, a reaction type nozzle mounted for rotation about a substantially vertically disposed axis and further mounted for rocking about a substantially horizontal axis, the nozzle and the dish container being supported in such relative relation that when the nozzle is inclined in one direction its stream delivery will have a component of motion in one direction across the dishes in the container and when inclined in the opposite direction said stream delivery will have a component of motion in the opposite direction across said dishes, the nozzle and the dish container being further supported so as to be relatively movable about a vertical axis of revolution one with respect to the other to cause horizontal travel between the dishes and the nozzle stream whereby the stream will exert a force to cause said relative movement between the dishes and the nozzle in one direction about said vertical axis when the nozzle is inclined in one direction and to cause said relative movement



in the opposite direction when the nozzle is inclined in the opposite direction, the rocking of the nozzle about a substantially horizontal axis being automatically effected by means operating in response to said relative movement between the dish container and the nozzle.

2,426,292
GARMENT HANGER
Joseph F. Appleman, Chicago, Ill.
Application October 15, 1945, Serial No. 622,243
5 Claims. (Cl. 223—90)



5. A garment hanger, comprising longitudinally opposed garment shoulder engaging members, the inner portion of one of said members having a longitudinally disposed inwardly opening pocket formed therein opening onto one surface thereof and having its bottom irregularly formed, a longitudinally disposed and extending tongue on the inner end of the remaining garment shoulder engaging member having its inner side irregularly formed and removably engaged with and over the irregularly formed bottom of said pocket in the inner end portion of the first mentioned garment shoulder engaging member, means detachably connecting the engaged inner end portions of the garment shoulder engaging members, a supporting medium engaging means connected to said shoulder engaging end portions connecting means, and an inwardly extending horizontal arm on each of the outer ends of said shoulder engaging members, said arms being substantially relatively parallel and laterally juxtaposed and having their respective free ends terminated inwardly of the adjacent ends of the respectively opposite shoulder engaging members, each of said arms being formed with longitudinal ways opening onto their respective free ends.

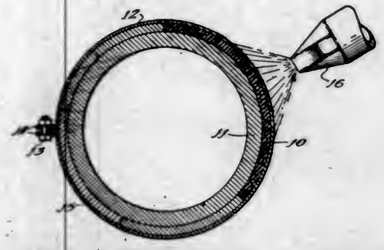
2,426,293
QUATERNARY AMMONIUM SALTS AND PROCESS OF PREPARING THEM
Gerhard Balle, Frankfort-on-the-Main, Johann Rosenbach, Wiesbaden, and Ludwig Orthner, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 11, 1939, Serial No. 273,042. In Germany May 14, 1938
2 Claims. (Cl. 260—295)

1. The process of preparing quaternary ammonium salts which comprises reacting an ester-like constituted compound of the general formula

$$R—X—CH_2—OCOR_2—Hal$$

wherein R stands for a radical of at least 12 carbon atoms selected from the group consisting of aliphatic, aliphatic-cycloaliphatic, and araliphatic radicals which radicals are interrupted by hetero atoms in their carbon structures, X stands for a member of the group consisting of oxygen and sulfur, R_2 stands for a member of the group consisting of low molecular aliphatic hydrocarbon radicals and low molecular aliphatic hydrocarbon radicals substituted by halogen, and Hal means halogen with a tertiary base of the group consisting of aliphatic and heterocyclic bases.

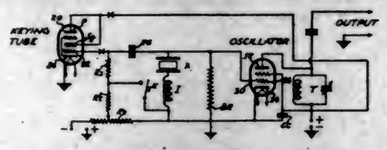
2,426,294
METHOD OF TREATING FRICTION MATERIAL
Clyde S. Batchelor, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application December 22, 1943, Serial No. 515,325
11 Claims. (Cl. 117—65)



1. The method of stabilizing friction material containing a cured organic binder to substantially eliminate fading tendency thereof on initial use which consists in pre-treating said friction material in formed condition prior to operative use by directing heat from an external source against the operative surface thereof, while confining it in a relatively inert atmosphere, to partially volatilize the binder content at and adjacent to said operative surface.

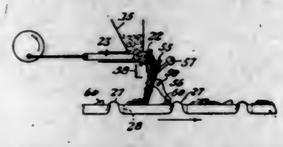
2,426,295
FREQUENCY MODULATION SYSTEM WITH CRYSTAL OSCILLATOR
Leo W. Born, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1944, Serial No. 552,157
8 Claims. (Cl. 250—8)

8. In a signalling system using an oscillation generator having in an oscillation circuit a crystal and an inductance in series, means for varying the frequency of the oscillations generated in accordance with signals comprising an electron discharging device having a control grid, a cathode and an anode, connections coupling the impedance between the control grid and cathode of the device in shunt to said crystal and inductance in series, a low impedance circuit coupling the



anode to the cathode of said device, a bias circuit including a resistance and an impedance in series connecting the control grid to the cathode of said device, and means for varying the potential across said impedance in accordance with signals.

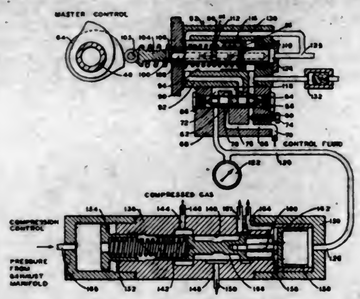
2,426,296
APPARATUS FOR REMOVING SOLUBLE IMPURITIES FROM SOLID SUBSTANCES
Heinz Henry Chesny, Worksop, England
Original application August 4, 1938, Serial No. 223,133, now Patent No. 2,231,154, dated February 11, 1941. Divided and this application December 10, 1940, Serial No. 369,444. In Great Britain August 19, 1937
9 Claims. (Cl. 23—270)



1. Apparatus for removing impurities from finely divided solids capable of being formed into small masses by means of a liquid, which comprises a slightly inclined conveyor embodying a plurality of pans having water-tight sides, ends and bottoms, the lower end of each pan being provided with a lip which overhangs the top edge of the pan next below it in the series to direct the liquid from an upper pan to the next pan below it, means adjacent the lower end of each of said pans for preventing the washing of solids from one pan to another, means for forming said solids into small masses and for loading the pans at the lower end of the conveyor with said small masses, means for driving the conveyor so that its upper surface travels in an upward direction, and means for admitting a liquid to the pans towards the upper end of the conveyor.

2,426,297
CONTROL FOR AIR SPRING PRESSURES IN FREE-PISTON UNITS
Kenneth C. Cooper, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,876
2 Claims. (Cl. 230—56)

1. A free-piston unit having an engine cylinder, opposed pistons in the cylinder and air springs for moving the pistons on the compression stroke, in combination with a control device, means for procuring changes in the control device in response to changes in the inner end positions of the piston strokes, and means actuated by said control device for adjusting the air spring pressures, said last means including means for supplying gas to the air springs and means for controlling the rate at which gas is supplied to the air spring.

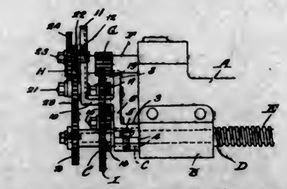


2,426,298
FISH STRINGER
Robert E. Davy, San Diego, Calif., assignor to James H. Myers, Jr., Grossmont, Calif.
Application December 22, 1945, Serial No. 636,831
4 Claims. (Cl. 224—7)



1. In a fish stringer of the class described the combination of a one-piece annular frame member and a plurality of fish stringer hooks circumferentially stationary on said frame, pivotally connected directly therewith arranged to be inserted through the gills of fish, said annular frame member having a diametrically disposed handle portion and a chain in connection with the middle of said handle portion having a fastener on its extended end, said frame member angular in cross section at its periphery.

2,426,299
CHANGE-SPEED MECHANISM FOR LATHES
Charles W. Dyer, Stratton, Maine
Application July 9, 1945, Serial No. 603,911
2 Claims. (Cl. 82—26)



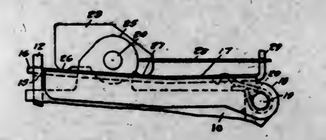
1. The combination with the spindle and feed screw of a lathe or the like, of a carrier annularly adjustable relative to the feed screw, separate gears on the spindle, separate gears rotatable with the feed screw, and separate trains of gears mounted on the carrier and shiftable therewith to separately couple the gears on the spindle to the respective gears of the screw shaft.

2,426,300
METHOD AND COMPOSITION FOR WATERPROOFING
Sidney M. Edelstein, Elizabeth, N. J.
No Drawing. Application April 3, 1944, Serial No. 529,402
7 Claims. (Cl. 117—166)

2. A water repellent coating composition for textiles and the like comprising cellulose dissolved in an aqueous solution of sodium zincate containing an excess of sodium hydroxide and emulsified therein, as the discontinuous phase, waterproofing wax of melting point above 100° F., a water soluble emulsifying agent, and water, the composition because of the characteristics described undergoing precipitation of the cellulose and wax on acidification at a temperature below the melting point of the wax.

5. The method of waterproofing and coating an article which comprises applying to the article the composition described in claim 2, acidifying the applied composition, to cause precipitation of the wax and cellulosic material, washing with a dilute aqueous solution of a soluble aluminum salt, and drying the washed product.

2,426,301
LATCH FOR CONTACTORS
Delbert Ellis and Owen L. Taylor, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1942, Serial No. 458,388
14 Claims. (Cl. 200—87)

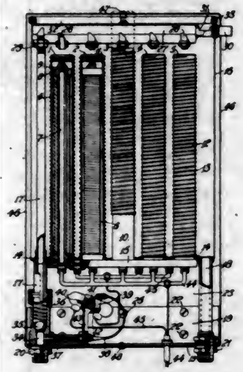


10. In combination, an electric switch having a part movable back and forth between two positions to open and close the same and having a bias for movement to one of said positions, an electromagnet having an armature for moving said part against its bias to the other of said positions, a latch, having an opening therein, said armature having a part receivable in said opening when said part is in the other of said positions to prevent movement of said switch by its bias, and operating means for moving said latch to an operative position in which said part extends through said opening comprising a member mounted for vibrating movement and adapted to be set into vibration by the application of a shock force to said switch, said member being engageable with said latch in such manner that vibrating movement thereof is effective to move said latch to said operative position.

2,426,302
ELECTRIC WATER HEATER
John Gabler, London, England
Application May 18, 1945, Serial No. 594,430
In Great Britain May 22, 1944
6 Claims. (Cl. 219—39)

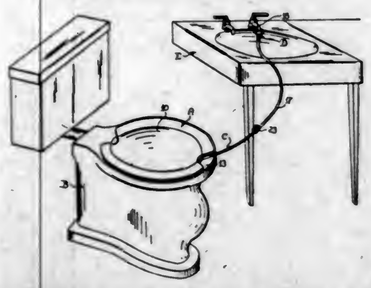
1. In an electric water heater, a closed bottomed vessel, a water outlet pipe leading from the bottom of said vessel, a plurality of closed topped inner tubular casings upstanding from said bottom of and within said vessel, an electric heater element in each said inner tubular casing, a withdrawable outer tubular casing closely surround-

ing each said inner tubular casing, a trough above said tubular casings, an overflow weir pipe in the bottom of said trough above each said tubular casing, a water inlet pipe leading to said



trough, a loaded valve in said water inlet pipe, a pressure-deflected device connected to said water inlet pipe in advance of said valve, and an electric switch in the circuit of said heater elements operated by said pressure-deflected device.

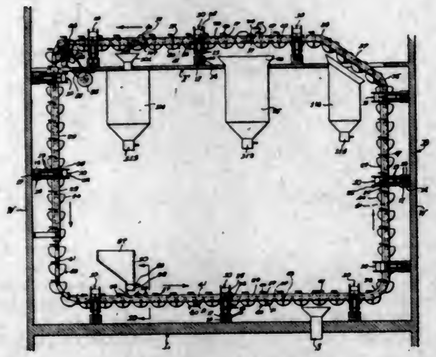
2,426,303
SURGICAL TUB
Christian Lee Graber, Lakewood, Ohio
Application July 3, 1945, Serial No. 603,041
8 Claims. (Cl. 4—6)



1. A medical appliance comprising an oval-shaped body portion adapted to hold liquid and fit within the bowl of a water closet, an outwardly extending supporting flange formed integral with the upper edge of said body portion, and a member fixed to the exterior of said body portion and enclosing a part thereof, said member being adapted to receive liquid and having an overflow outlet located above the bottom thereof.

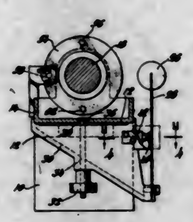
2,426,304
BUCKET CONVEYOR SYSTEM
Henry W. Hapman, Detroit, Mich.
Application October 1, 1942, Serial No. 460,337
11 Claims. (Cl. 198—145)

5. A conveyor, comprising a pair of opposed channelways arranged in parallel spaced relation with their channels in face to face position, brackets for supporting the channelways at spaced intervals throughout their lengths, projections carried by said brackets, a pair of clamping blocks for each projection, supporting rods having threaded portions adapted to extend through openings in said blocks, nut members on said threaded portions for clamping said blocks to said projections, an endless conveyor chain adapted to be guided in each channelway, pivoted conveyor buckets extending transversely of the chains and pivotally connected thereto, means



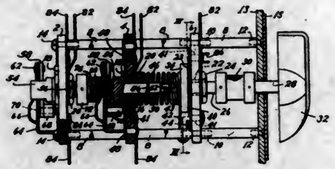
for loading the buckets at a charging station, means for dumping the buckets at a discharge station, means on the end walls of said buckets engageable with guide means adjacent said charging station for maintaining the buckets in a horizontal position as they traverse the charging station, and means for adjustably holding said supporting rods.

2,426,305
BALANCING MACHINE
Lawrence F. Hope, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 12, 1942, Serial No. 434,414
12 Claims. (Cl. 73—66)



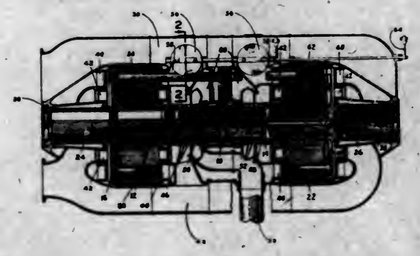
1. In apparatus to determine the amount and location of unbalanced masses in rotating parts, a base, bearing means resiliently mounted on said base for rotatably supporting a part to be tested, a vibratable mass, mounting means for said mass, guide means on the bearing means extending longitudinally thereof, and connecting means cooperating with said mounting and guide means for attaching said mounting means to said guide means at a selected point along the bearing means, said vibratable mass and its mounting being so proportioned as to be resonant at the speed of rotation of the part and generate nullifying forces to cause the part to rotate without vibration, the amplitude of movement of the mass being a direct indication of the amount of unbalanced force to be corrected.

2,426,306
CIRCUIT CONTROLLER
James P. Houck, Wilkinsburg, and Dewees H. Shallcross, Sr., Collingdale, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1943, Serial No. 513,258
11 Claims. (Cl. 200—4)



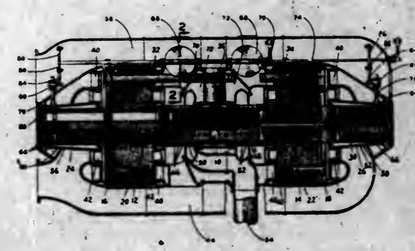
2. In a switch construction, supporting means, a contact actuating shaft rotatably mounted on said supporting means, said shaft including a shaft portion which is longitudinally slidable with respect to said supporting means and another portion of said shaft, movable contacts carried by said shaft portions, respectively, cooperating contact means mounted on said supporting means at points spaced along said shaft for cooperation with said movable contacts, respectively, the movable contact carried by said one shaft portion engaging and disengaging its cooperating contact means as the result of longitudinal movement of said one shaft portion, whereas the movable contact carried by said other shaft portion engages and disengages its cooperating contact means as the result of rotary movement of said shaft, and means preventing rotation of said shaft unless said one shaft part has been moved in a direction to separate the contacts controlled thereby.

2,426,307
STROKE CONTROL FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,918
2 Claims. (Cl. 230—56)



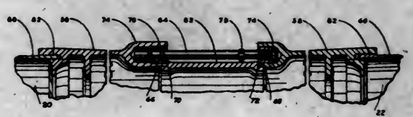
1. A free-piston engine-and-compressor unit including an engine cylinder having scavenge and exhaust ports, a compressor cylinder having intake and discharge valves at each end, free pistons in said cylinders and reciprocating as a unit, said pistons having a variable length of stroke with the piston in the engine cylinder adapted to cover and uncover said ports, a supporting structure interconnecting said engine and compressor cylinders and forming a passage for the admission of gas to the end of the compressor cylinder adjacent to the engine cylinder, in combination with means for throttling the admission of gas to the end of the compressor cylinder adjacent the engine cylinder.

2,426,308
STROKE CONTROL FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,919
7 Claims. (Cl. 230—56)



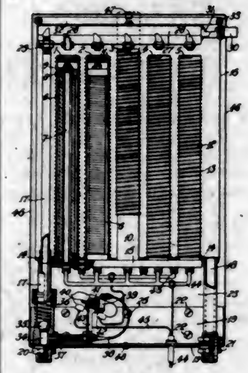
1. In a free-piston engine-and-compressor unit, an engine cylinder, a free-piston movable therein, a compressor including a cylinder and piston, one of which is movable with the engine piston, an air spring comprising a cylinder and piston, one of which is movable with the engine piston, inlet and discharge valves at least at one end of the compressor, means for throttling the flow of air to the inlet valves and other means associated with said throttling means and movable simultaneously therewith for adjusting the minimum pressure in the air spring.

2,426,309
ASSEMBLY OF ENGINE-AND-COMPRESSOR UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,920
4 Claims. (Cl. 230—56)



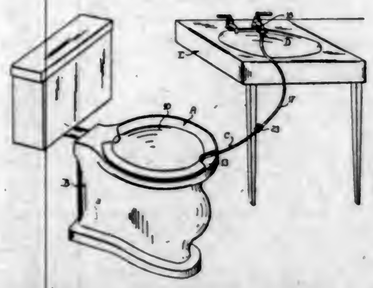
4. In a compressor assembly, an engine cylinder, a housing extending around and supporting said engine cylinder, opposed compressor cylinders at opposite ends of the engine cylinder and in axial alignment therewith, each of said compressor cylinders including opposed cylinder heads and an interconnecting cylinder wall, the inner cylinder heads of the compressor cylinders engaging said housing, recesses in the inner compressor cylinder heads, and a number of turnbuckles, each with its ends secured in said recesses and extending between the inner heads of the opposed compressor cylinders for moving the compressor cylinders into position against the housing and for holding the compressor cylinders in place against the housing said turnbuckles being located substantially at the same radius from the axis of the assembly as the compressor cylinder wall.

ing each said inner tubular casing, a trough above said tubular casings, an overflow weir pipe in the bottom of said trough above each said tubular casing, a water inlet pipe leading to said



trough, a loaded valve in said water inlet pipe, a pressure-deflected device connected to said water inlet pipe in advance of said valve, and an electric switch in the circuit of said heater elements operated by said pressure-deflected device.

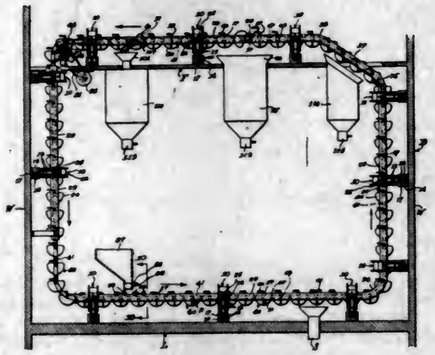
2,426,303
SURGICAL TUB
Christian Lee Graber, Lakewood, Ohio
Application July 3, 1945, Serial No. 603,041
8 Claims. (Cl. 4—6)



1. A medical appliance comprising an oval-shaped body portion adapted to hold liquid and fit within the bowl of a water closet, an outwardly extending supporting flange formed integral with the upper edge of said body portion, and a member fixed to the exterior of said body portion and enclosing a part thereof, said member being adapted to receive liquid and having an overflow outlet located above the bottom thereof.

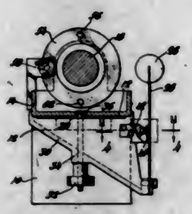
2,426,304
BUCKET CONVEYOR SYSTEM
Henry W. Hapman, Detroit, Mich.
Application October 1, 1942, Serial No. 460,337
11 Claims. (Cl. 198—145)

5. A conveyor, comprising a pair of opposed channelways arranged in parallel spaced relation with their channels in face to face position, brackets for supporting the channelways at spaced intervals throughout their lengths, projections carried by said brackets, a pair of clamping blocks for each projection, supporting rods having threaded portions adapted to extend through openings in said blocks, nut members on said threaded portions for clamping said blocks to said projections, an endless conveyor chain adapted to be guided in each channelway, pivoted conveyor buckets extending transversely of the chains and pivotally connected thereto, means



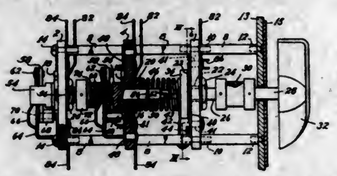
for loading the buckets at a charging station, means for dumping the buckets at a discharge station, means on the end walls of said buckets engageable with guide means adjacent said charging station for maintaining the buckets in a horizontal position as they traverse the charging station, and means for adjustably holding said supporting rods.

2,426,305
BALANCING MACHINE
Lawrence F. Hope, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 12, 1942, Serial No. 434,414
12 Claims. (Cl. 73—66)



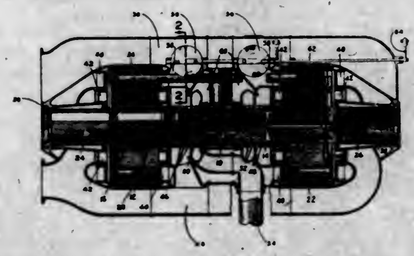
1. In apparatus to determine the amount and location of unbalanced masses in rotating parts, a base, bearing means resiliently mounted on said base for rotatably supporting a part to be tested, a vibratable mass, mounting means for said mass, guide means on the bearing means extending longitudinally thereof, and connecting means cooperating with said mounting and guide means for attaching said mounting means to said guide means at a selected point along the bearing means, said vibratable mass and its mounting being so proportioned as to be resonant at the speed of rotation of the part and generate nullifying forces to cause the part to rotate without vibration, the amplitude of movement of the mass being a direct indication of the amount of unbalanced force to be corrected.

2,426,306
CIRCUIT CONTROLLER
James P. Houck, Wilkinsburg, and Dewees H. Shallcross, Sr., Collingdale, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1943, Serial No. 513,258
11 Claims. (Cl. 200—4)



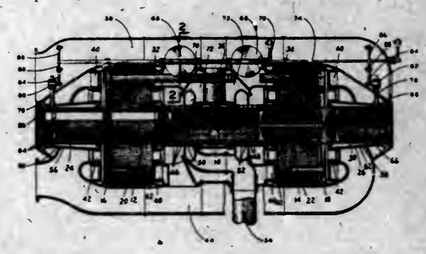
2. In a switch construction, supporting means, a contact actuating shaft rotatably mounted on said supporting means, said shaft including a shaft portion which is longitudinally slidable with respect to said supporting means and another portion of said shaft, movable contacts carried by said shaft portions, respectively, cooperating contact means mounted on said supporting means at points spaced along said shaft for cooperation with said movable contacts, respectively, the movable contact carried by said one shaft portion engaging and disengaging its cooperating contact means as the result of longitudinal movement of said one shaft portion, whereas the movable contact carried by said other shaft portion engages and disengages its cooperating contact means as the result of rotary movement of said shaft, and means preventing rotation of said shaft unless said one shaft part has been moved in a direction to separate the contacts controlled thereby.

2,426,307
STROKE CONTROL FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,918
2 Claims. (Cl. 230—56)



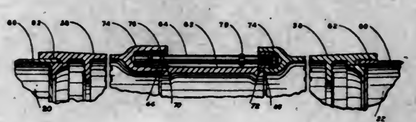
1. A free-piston engine-and-compressor unit including an engine cylinder having scavenge and exhaust ports, a compressor cylinder having intake and discharge valves at each end, free pistons in said cylinders and reciprocating as a unit, said pistons having a variable length of stroke with the piston in the engine cylinder adapted to cover and uncover said ports, a supporting structure interconnecting said engine and compressor cylinders and forming a passage for the admission of gas to the end of the compressor cylinder adjacent to the engine cylinder, in combination with means for throttling the admission of gas to the end of the compressor cylinder adjacent the engine cylinder.

2,426,308
STROKE CONTROL FOR FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,919
7 Claims. (Cl. 230—56)



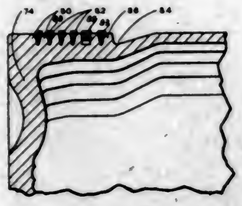
1. In a free-piston engine-and-compressor unit, an engine cylinder, a free-piston movable therein, a compressor including a cylinder and piston, one of which is movable with the engine piston, an air spring comprising a cylinder and piston, one of which is movable with the engine piston, inlet and discharge valves at least at one end of the compressor, means for throttling the flow of air to the inlet valves and other means associated with said throttling means and movable simultaneously therewith for adjusting the minimum pressure in the air spring.

2,426,309
ASSEMBLY OF ENGINE-AND-COMPRESSOR UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,920
4 Claims. (Cl. 230—56)



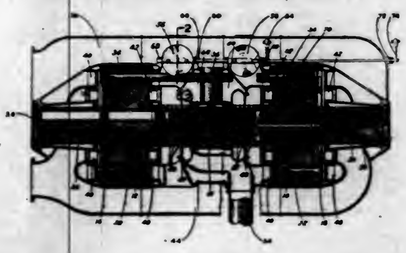
4. In a compressor assembly, an engine cylinder, a housing extending around and supporting said engine cylinder, opposed compressor cylinders at opposite ends of the engine cylinder and in axial alignment therewith, each of said compressor cylinders including opposed cylinder heads and an interconnecting cylinder wall, the inner cylinder heads of the compressor cylinders engaging said housing, recesses in the inner compressor cylinder heads, and a number of turnbuckles, each with its ends secured in said recesses and extending between the inner heads of the opposed compressor cylinders for moving the compressor cylinders into position against the housing and for holding the compressor cylinders in place against the housing said turnbuckles being located substantially at the same radius from the axis of the assembly as the compressor cylinder wall.

2,426,310
ENGINE PISTON CONSTRUCTION
Andrew Kalitinsky, Eagleville, and Walter A. Ledwith, Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,062
3 Claims. (Cl. 309—10)



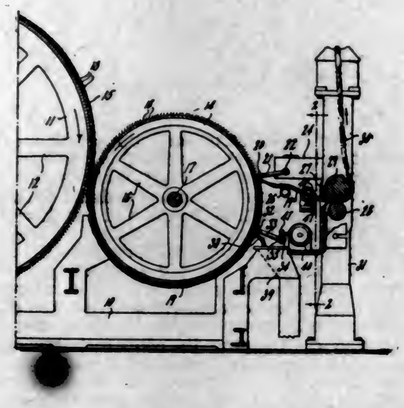
1. A piston for a free-piston unit including a thin wall carrying the axial loads on the piston and an integral substantially thicker portion adjacent the head, said portion having ring receiving grooves therein, said wall gradually decreasing in diameter at the part adjoining the integral portion to form a slanting inner wall surface at this part and a groove in the outer surface of the piston adjacent to the endmost piston ring groove having its wall opposite to the thicker portion substantially parallel to the slanting inner surface of the piston wall and its adjacent wall substantially radial to form a thin flange between said groove and the endmost ring groove.

2,426,311
THROTTLE FOR FREE-PISTON UNITS
Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,935
2 Claims. (Cl. 230—56)



1. A free-piston engine-and-compressor unit including an engine cylinder, opposed pistons therein, spaced compressor cylinders located at opposite ends of the engine cylinder, and a piston in each compressor cylinder connected to and moving with the adjacent engine piston, in combination with a supporting structure interconnecting said compressor and engine cylinders and having passages for admitting fluid to one end of each compressor cylinder, and means for throttling the flow of fluid through said passages to said one end of each compressor, said means including throttles in each of said passages, a pair of rods mounted for turning in the unit, each rod having mounted thereon at least two of the throttles, a connection between the rods to cause the rods to turn simultaneously and one of said rods extending outside of the unit to provide for turning the rods.

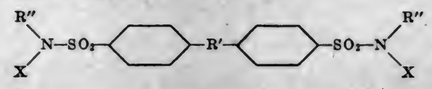
2,426,312
CARDING MACHINE ATTACHMENT FOR CONTROLLING THE WEB WEIGHT
Arthur P. Lewis and John C. Manley, Fairhaven, Mass., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 20, 1945, Serial No. 606,054
10 Claims. (Cl. 19—69)



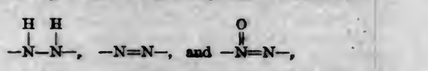
1. In combination with a carding machine for producing a carded web of fibers, mechanism for scanning a web traveling from the carding machine and adapted to detect variations in its weight, means adjacent the doffer cylinder of the carding machine for removing varying amounts of fibers from the carded web, and means under the control of the scanning mechanism and operable in response to the variations it detects to vary the action of said removing means to thereby control the web weight.

2,426,313
AZO BENZENE 4,4'-DISULFONAMIDO THIAZOLE
Bernard J. Ludwig, Bloomfield, and Franz C. Schmelkes, Montclair, N. J., assignors to Wallace & Tiernan Products Inc., a corporation of New Jersey
No Drawing. Application August 6, 1941, Serial No. 405,644
2 Claims. (Cl. 260—143)

1. A composition of matter comprising the compound of the general formula



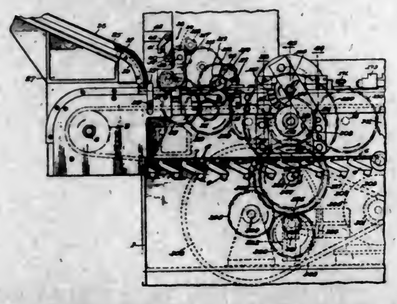
X representing a monovalent element selected from the group consisting of hydrogen and an alkali metal, R' representing a nitrogen bridge selected from the group consisting of the hydrazo, azo, and azoxy radicals having the formulas



respectively, and R'' representing the 2-thiazolyl group.

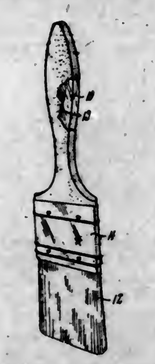
2. A composition of matter as described in claim 1, X representing an alkali metal.

2,426,314
WRAPPING MACHINE
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application May 8, 1942, Serial No. 442,205
7 Claims. (Cl. 93—2)



4. A wrapping machine comprising means for feeding a wrapper to a wrapping station, article transfer means for delivering an article edgewise through the wrapping station to effect a partial fold of the wrapper about the forward edge of the article, tucking means to partially tuck and fold the side edges of the wrapper, a continuously moving transfer wheel, and folding means for folding down the partially tucked side edges, said transfer means serving to deliver said articles, with the partially folded and tucked wrapper thereon, successively, from the wrapping station through said tucking means to said transfer wheel, on one side thereof, said transfer means also serving to receive the articles, with partially folded and tucked wrapper thereon, from said wheel, in inverted position, and to deliver the articles to and through said folding means.

2,426,315
STATIC FREE BRUSH
Louis Marick, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1943, Serial No. 503,756
3 Claims. (Cl. 15—159)



1. A brush which when used in a dry condition will remain static free, comprising a head having bristles secured therein and a handle extending from the head, the handle and head being coated with a conductive material to disperse static charges, and the bristles having a thin electrically conducting coating disposed thereupon so as not to bond the contacting bristles together, to thereby provide a conducting path from the bristles to the handle.

2,426,316
VINYL RESIN COMPOSITIONS CONTAINING FACTICE
Frank S. Martin, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 25, 1943, Serial No. 503,854
4 Claims. (Cl. 260—23)

1. An improved vinyl acetate-vinyl chloride copolymer resin composition comprising, in addition to a plasticizer for the vinyl resin, a factice in a proportion by weight of up to 30 percent, based on the vinyl resin content and effective to increase resistance to shrinkage and cracking when the composition is subjected to steam sterlization, the said copolymer resin having from 88.5 to 95 percent vinyl chloride content.

2,426,317
INHIBITING WELL CORROSION
Paul L. Menaul, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application December 30, 1944, Serial No. 570,799
11 Claims. (Cl. 252—8.55)

1. The method of inhibiting hydrogen sulfide corrosion of metal in the presence of water comprising the step of commingling a small amount of a water-soluble cyanide with said water and hydrogen sulfide.

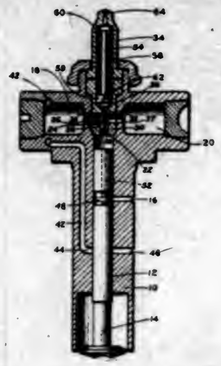
2,426,318
INHIBITING CORROSION
Paul L. Menaul, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application November 15, 1945, Serial No. 628,678
16 Claims. (Cl. 252—8.55)

1. In the art of inhibiting corrosive attack on metals, the step which comprises mixing with a fluid containing a sulfide and normally having a corrosive action upon metals, a small proportion of an organic compound at least partially soluble in said fluid and containing the characteristic aldehyde group, —CHO.

2,426,319
INJECTION SYSTEM
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 11, 1943, Serial No. 486,624
6 Claims. (Cl. 103—41)

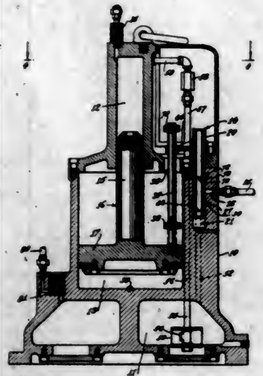
1. Fuel injection apparatus including a casing having a bore, a reciprocating pump plunger in the bore, said casing having a filling port communicating with said bore by which fuel enters the bore, an accumulator chamber in the casing in which fuel is compressed by said plunger on its pumping stroke, a passage from the bore to said chamber through which the fuel is delivered to said chamber, a discharge passage from the chamber, each of said passages having a valve seat, and the valve seats in the passages being in alignment, and a single valve element independ-

ent of the plunger and having spaced seat engaging parts for engaging the seats in said passages for alternately closing the passage from the



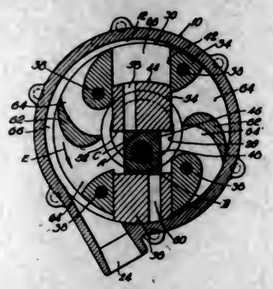
chamber to the plunger and the discharge passage, the valve element being shorter than the spacing between the seats so that only one passage is closed at one time.

2,426,320
HYDROPNEUMATIC ACCUMULATOR
William Messinger, Philadelphia, Pa.
Application August 10, 1945, Serial No. 610,095
7 Claims. (Cl. 103—5)



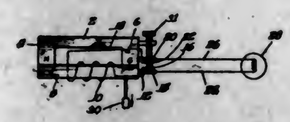
1. In combination, an accumulator for maintaining a quantity of liquid continuously under pressure, the accumulator having a charging cylinder for the liquid, said cylinder having an inlet and an outlet, a valve mechanism for controlling said inlet and outlet, a liquid reservoir connected to the charging cylinder, a source of compressed air, means whereby compressed air from the source is applied to the liquid in the reservoir to force the liquid into the charging cylinder, and means actuated in response to a predetermined amount of liquid supplied to the charging cylinder for disconnecting the compressed air from the reservoir and applying the pressure of the compressed air to the liquid in the charging cylinder, characterized by a compressed air cylinder, a piston element operating in the charging cylinder and the compressed air cylinder, the liquid acting on one end of the piston element and the compressed air acting on the other end.

2,426,321
FLUID TRANSMISSION APPARATUS
Louis Montrose, Brooklyn, N. Y.
Application June 20, 1945, Serial No. 600,492
5 Claims. (Cl. 103—4)



1. A fluid transmission apparatus comprising: a casing having a compartment therein, an inlet passage connected with said compartment, an outlet passage connected with said compartment, a rotor eccentrically mounted in said compartment relative to the central axis thereof, means connected with said rotor for rotating same, said rotor having a seat extending diametrically thereof, a piston slidably mounted in said seat, said piston having an intermediate transverse recess, and a coupling head slidably mounted in said recess, said coupling head being rotatable about an axis eccentric to the axis of the rotor and being held in engagement with said recess, said rotor having a plurality of impeller blades, said rotor thus forming the rotor of a rotary pump and the impeller of a centrifugal pump, and the fluid transmitting elements of said rotary pump and said centrifugal pump communicating with said inlet passage and said outlet passage, whereby the displacement capacities of said rotary pump and of said centrifugal pump are additively combined in an aggregate delivery capacity.

2,426,322
ELECTRIC IMPULSE GENERATOR
Edwin S. Pridham, Oakland, Calif., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application June 30, 1943, Serial No. 492,975
5 Claims. (Cl. 171—209)



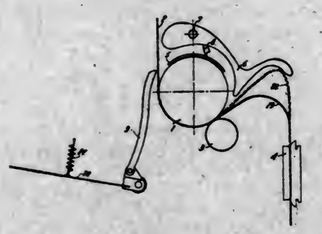
1. In an electric impulse generator, means providing opposed pairs of magnetic pole faces, an armature movable between said pole faces, a coil inductively coupled to the armature, an operating circuit connected to said coil, switches operatively connected to said armature and connected to said coil to establish a short circuit around said coil as the armature approaches each pair of said pole faces and to break the short circuit upon initiation of movement of the armature from each pair of said pairs of pole faces toward the other pair of pole faces, and means for moving said armature from each pair of pole faces to the other.

2,426,323
PARACHUTE TOY
Alfred Stillman, Brooklyn, N. Y.
Application June 14, 1944, Serial No. 540,184
4 Claims. (Cl. 46—86)



1. A parachute toy, comprising a lightweight figure of a parachutist, a stick attached on and projecting downwards of said figure, a parachute sail, shroud lines from said parachute sail connected with said figure, means for shooting said stick upwards for shooting said figure and parachute upwards, and means for holding said parachute in a folded position on said figure automatically releasable while said figure and parachute are up in the air, said latter means comprising a loop attached to the back of said lightweight figure and into which said folded parachute is adapted to be engaged, and a sling extending beneath said loop to limit the engagement of said folded parachute sail with said loop.

2,426,324
FIRE PROTECTIVE DEVICE IN FILM PROJECTORS
Stig Per Olof Sundgren, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden, a corporation of Sweden
Application September 8, 1944, Serial No. 553,144
In Sweden October 28, 1943
5 Claims. (Cl. 88—17)



1. In combination with a film projector having a film gate and a feed sprocket for feeding film to form a loop between said sprocket and said gate of a fire protective device including, means operable for disengaging the film from said sprocket to stop the feed substantially instantaneously, and means responsive to an enlargement of the film loop for operating the first-mentioned means.

2,426,325
INTERPOLYMERS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 19, 1943, Serial No. 510,921
3 Claims. (Cl. 260—78)

1. Soluble, fusible terpolymers of (*a*) an unsaturated ether from the class consisting of diallyl ether and dimethallyl ether, (*b*) methyl methacrylate, and (*c*) an unsaturated dicarboxylic ester from the class consisting of diethyl fumarate and n-butyl acid maleate, said terpolymers having been prepared from mixtures of monomers in which the initial proportions by weight are from 10%–50% of the ether, from 10%–60% of the dicarboxylic ester, and from 17.5%–70% of the acrylic ester, the reaction having been stopped prior to formation of interpolymer insoluble in acetone.

2,426,326
COUPLING PIN FOR TOY PARTS
H. Cole Tooms, Memphis, Tenn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 26, 1945, Serial No. 574,762
3 Claims. (Cl. 46—29)

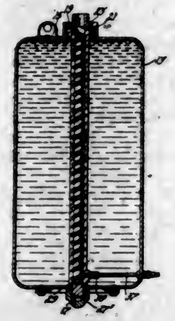


1. A toy constructing knockdown assemblage of separable toy parts comprising relatively movable toy members incorporating rigid material containing co-axially aligned coupling holes, and a hollow non-metallic coupling nipple having an undivided resilient tubular shank normally exceeding the cross section of said holes and extending straightway through a plurality of said holes in side by side toy members, the hole bordering edges of said rigid material where they contact said nipple squeezing and separately bedding into successive portions of said tubular shank which respectively occupy said holes in a manner frictionally to oppose relative movement of each of said members relative to said nipple.

2,426,327
OIL CLEANER
Arthur F. Underwood, Grosse Pointe, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1945, Serial No. 581,653
7 Claims. (Cl. 210—51)

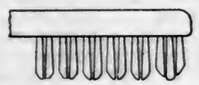
5. A fluid cleaner adapted for being used between a source of pressure and a utility conduit, said cleaner including an outer shell, an intermediate shell and an inner cylinder, said outer shell having on its inner wall a spiral groove, said inner cylinder having on its outer wall a spiral groove, said intermediate shell having in its outer wall a spiral groove matching the spiral groove of the outer shell and also having on its inner wall a spiral groove matching the spiral groove of the

inner cylinder, the two grooves of the intermediate shell communicating throughout their length whereby radially outer and radially inner spiral paths are formed, inlet means for connecting said source to one pair of adjacent ends of said spiral paths, outlet means for connecting the other ends of said spiral paths to said utility



conduit, first conduit means leading from adjacent the outlet end of the spiral path formed by the outer and intermediate shells to permit the escape of solid particles and second conduit means leading from adjacent said outlet end of the spiral path formed by the cylinder and the intermediate shell to permit the escape of gases.

2,426,328
METHOD OF FINISHING PLASTIC FILAMENTS, AND PRODUCTS MADE THEREFROM
George H. Wandel, Riverside, and Theodore H. Rider, Hinsdale, Ill., assignors, by mesne assignments, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application June 5, 1943, Serial No. 489,780
9 Claims. (Cl. 300—21)



2. The method of forming and finishing the free ends of meltable brush bristles to the desired contour, which consists in providing a body capable of being heated and having a face formed with a contour like that to be imparted to the brush bristle ends, arranging the bristles into tufts and securing them to the brush head, trimming the bristle ends to approximately the desired contour, heating the contoured face of said body to a temperature capable of melting the bristle ends, and contacting the bristle free-working ends with said heated face until the free-working ends of the bristles are melted into the contour of the heated face.

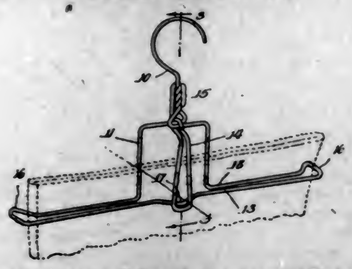
2,426,329
HOLDER OR PINCUSHION
Rachel D. Williams, New Rochelle, N. Y.
Application May 2, 1945, Serial No. 591,550
5 Claims. (Cl. 223—109)

1. A holder of the character described comprising a body formed from balsa wood the grains whereof are fibrous and directed endwise, and a basal member at and extending across one end of said body and projecting outwardly therefrom in a plane for retaining the body and fibrous grain upright, whereby its upper end is available for



injection of pins and the like therein longitudinally of the fibers.

2,426,330
SKIRT AND TROUSER HANGER
J. Craig Yacoe, Wilmington, Del.
Application December 8, 1944, Serial No. 567,250
3 Claims. (Cl. 223—95)



1. A trouser and skirt hanger constructed from a single piece of wire comprising in combination a suspension member, a rectangular-shaped frame member extending outwardly and downwardly from the suspension member and having an opening for the insertion of garments, opposed gripping members, spring members at each end for causing said gripping members to exert a spring grip on a garment maintained therebetween, a catch member on one of said gripping members intermediate its ends, and an intermediate spring member extending downwardly from the frame member and connecting with said catch member for exerting a spring pressure on one of said gripping members in a direction generally normal to the plane of the hanger, said spring members being formed continuously and integrally with and between said gripping members.

2,426,331
GLOVE PRESSER
Edward E. Ziskind, New York, N. Y.
Application January 29, 1944, Serial No. 520,225
1 Claim. (Cl. 223—79)



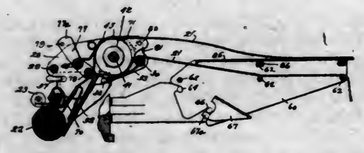
A glove presser comprising a base portion and a separable substantially flat glove form rotatably mounted in an inclined plane on said base portion, said glove form comprising a pair of separable sections hingedly connected adjacent that end of said form disposed adjacent said base portion, means disposed intermediate the ends of said hinged sections for adjusting the relative positions of said sections with respect to each other, and a heating element for said sections enclosed within said sections and wholly contained at a point adjacent said hinge connection.

2,426,332
CONDUIT COUPLING
Richard L. Acres, Houston, Tex., assignor to William F. Curlee, Houston, Tex.
Application February 19, 1944, Serial No. 523,013
3 Claims. (Cl. 285—146)



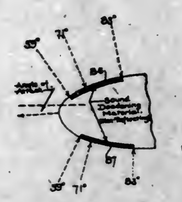
1. A coupling for a flexible conduit comprising a spirally wound band, said coupling comprising a tapered tubular body having an external projection adjacent the small end thereof, said projection adapted to engage the spiral of said conduit and draw said body into said conduit when said body is inserted into said conduit and turned in a direction tending to expand said spiral, and a part adapted to frictionally engage within said conduit to prevent rotation of said body the body part having the external projection thereon being of less diameter than the body part frictionally engaging said conduit.

2,426,333
PAPER FEEDING DEVICE FOR WRITING MACHINES
Louis C. Antrim, New York, N. Y., and Frank Schultz, Cliffside Park, N. J., assignors to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 24, 1941, Serial No. 390,024
13 Claims. (Cl. 197—133)



1. In a writing machine, a platen for supporting for writing operations a plurality of superposed continuous strips having longitudinal rows of feeding apertures; strip-feeding mechanism including feeding pins, and supporting means therefor mounted for feeding movement at the introductory side of the platen between the portions of the writing strips leading in and leading out of the platen; means for guiding the leading-in portions of the strips into engagement with a plurality of pins on the pin-supporting means whereby the strips are fed to the platen by the positive engagement of these pins with the strips through the feeding apertures therein; means for guiding the leading-out portion of the strips into engagement with a plurality of pins on the pin-supporting means whereby the strips are fed away from the platen by the positive engagement of these pins with the strips through the feeding apertures therein, said pin-supporting means being so located with relation to the platen that the strips are fed to and delivered from the platen in a slack loop and are free of feeding or braking pressure against the platen; and adjustable means acting on the portion of the strips between the first and second engagements of the strips with the pins for taking up excess slack in the loop and holding the strips against the platen with firmness sufficient to insure good writing impressions but not sufficient to apply feeding or braking pressure on the strips against the platen.

2,426,334
WING FOR AIRPLANES AND THE LIKE
Thomas A. Banning, Jr., Chicago, Ill.
Application October 15, 1943, Serial No. 506,302
3 Claims. (Cl. 244—41)

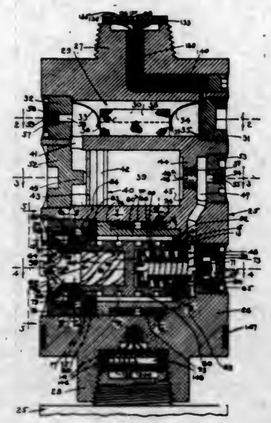


1. An airplane intended for normal free horizontal flight at air velocities of substantially 500 miles per hour and upwards, including wing foils and a power propeller in advance of said wing foils, said propeller producing disturbances in the air current flowing against said wing foils, each wing foil having a section which curves continuously and regularly from the leading edge portion of said foil to a position substantially parallel to the mean chord line of the foil, and said wing foil having a composite upper surface in that portion of the foil lying substantially between a positive slope of 19 degrees with respect to the mean chord line of the foil and a positive slope of 7 degrees with respect to said mean chord line, said composite upper surface including an exposed portion of sound non-reflecting material forming the exposed surface of said foil in said composite section, whereby disturbance waves in the air arriving against said foil in a direction substantially normal to the foil surface at free flight velocities of substantially 500 miles per hour and upwards strike said sound non-reflecting surface and suffer damping by said surface with substantial avoidance of direct reflection of said disturbances and avoidance of production of beats, substantially as described.

2,426,335
SIDE WALL SAMPLING APPARATUS
Thomas A. Banning, Jr., Chicago, Ill.
Application November 8, 1943, Serial No. 509,450
13 Claims. (Cl. 255—1.4)

1. Means to take and recover a sample of material from the side wall of a well bore, or the like, comprising a body of size to be lowered into said bore and provided with a radially extending cylindrical opening in communication with the exterior of said body, a plunger and cutter head assembly reciprocably and rotatably mounted in said cylindrical opening and including a circular cutter head of annular form surrounding a pocket

or chamber in said assembly, said body also being provided with a chamber for accommodation of a charge of explosive combustible, and with another chamber for accommodation of a free piston movably mounted therein, and said body also having a gas passage connecting said explosive combustible chamber with one end of said free piston chamber and having a liquid passage connecting the other end of said free piston chamber with the radially extending cylindrical opening at a position behind the plunger assembly, there being a free piston working in the free piston chamber between the connections of said passages with said chamber ends, and serving to segregate liquid in one portion of said free piston chamber from gas in the other portion of said free piston chamber, a ported partition extending across the



liquid passage aforesaid, the port whereof is of small cross-section to thereby check flow of liquid therethrough and thus to check the rate of delivery of said liquid to the cylindrical opening behind the plunger assembly, co-operative rotative means in connection with said body and said plunger assembly constituted to cause rotation of said plunger assembly during at least a portion of the reciprocation thereof in said body, and a spring connected to the plunger assembly and to the body and tending to draw said plunger assembly inwardly in the radially extending cylindrical opening of the body and within the confines of said body, together with electrical connections carried by said body for engagement by an explosive cartridge placed within the explosive combustible chamber for ignition of said cartridge when said electrical connections are electrically energized, substantially as desired.

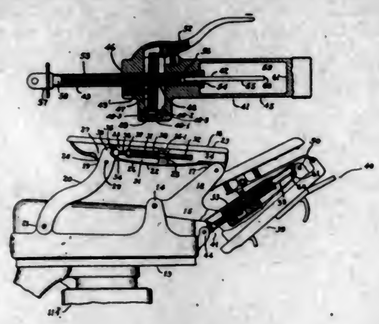
2,426,336

DENTAL CHAIR AND THE LIKE

David J. Binus, Canton, Ohio, assignor to The Weber Dental Manufacturing Company, Canton, Ohio, a corporation of Ohio

Application February 4, 1944, Serial No. 521,046
11 Claims. (Cl. 155—159)

11. In linkage apparatus for a dental chair and the like, a plurality of links, each link having a pivotal connection with at least one other link, first spring means operatively associated with the links having one of the pivotal connections to effect relative pivotal movement of the links, and second spring means operatively associated with the links having another of the pivotal connec-



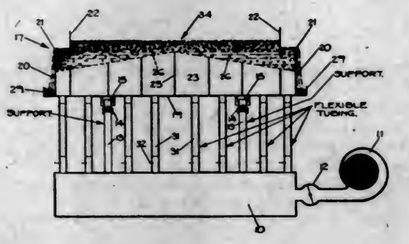
tions to effect relative pivotal movement of the links after action of the first spring means.

2,426,337

DISCHARGE DEVICE FOR THE LOWER STRATUM COMPONENT FROM FLUID-PERVIOUS RECIPROCATING STRATIFYING TABLES

Byron M. Bird, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio

Application February 24, 1945, Serial No. 579,583
1 Claim. (Cl. 209—469)



A stratifying table for separating granular materials of different specific gravities having a deck including a base, said base having a central top ridge extending throughout its length and being formed to include a plurality of open topped cells, screen means above and forming a top for said base adapted to carry a bed of material, a dam-and-seal draw structure extending along each side of said base including an upwardly extending dam means positioned adjacent the edge of said screen and seal means positioned above said screen and inwardly of said dam means, said base including cells positioned between said dam-and-seal means, trough means extending along the outside of said dam means adapted to catch material spilled over said dam, means movably supporting said deck in an inclined plane with respect to its length, means for reciprocating said deck lengthwise of said central top ridge for agitating material above said screen means, means for causing a current of fluid to flow upwardly through said screen means, said last named means including means for creating fluid flow, and means for conveying flowing fluid to each of said cells and through said screen in such manner that the velocity of fluid flowing through said cells positioned between said dam

and seal means is greater than the average velocity of the fluid flowing through said other cells whereby material fed to the high end of the deck is caused to flow downwardly thereover, the material of greater specific gravity moving sidewardly from each side of the ridge in said deck, under the seal means and over the dams to spill into the troughs, the greater velocity of the fluid adjacent the dams assisting in lifting the material of greater specific gravity thereover.

2,426,338

ACYLATED AMINES

Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 31, 1943, Serial No. 516,537. Divided and this application September 12, 1945, Serial No. 615,914
11 Claims. (Cl. 260—404)

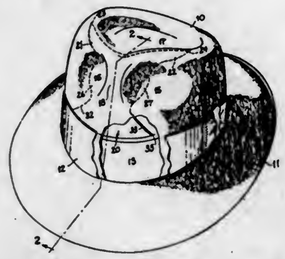
1. An acylated mono-amine in which the amine radical is that of an amine selected from the group consisting of primary and secondary aliphatic, aralkyl, and alkyl-alicyclic amines having at least one aliphatic hydrocarbon radical containing from 8 to 32 carbon atoms, and in which the acyl radical is that of an acidic adduct of an acyclic alpha-beta ethylenic acid having not more than 10 carbon atoms and a member of the group consisting of acids and esters of unsaturated, non-hydroxylated fatty acids, the acyl radical of which contains 8 to 32 carbon atoms, said acidic adduct being further characterized in that the acyclic alpha-beta ethylenic acid is combined at an intermediate point of the carbon atom chain of the unsaturated non-hydroxylated fatty acid acyl radical.

2,426,339

HAT FORM RETAINER AND SUPPORT

Herman J. Boemanns, Raleigh, N. C.

Application May 1, 1946, Serial No. 666,368
1 Claim. (Cl. 2—185)



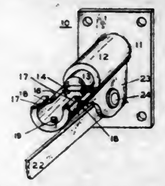
A hat crown support comprising a resilient sheet member having a front portion provided with a lower arcuate portion adapted to fit against the interior surface of a hat crown above the upper edge of the inner hat band and having rearwardly projecting wings extending from its lower portion and terminating in barbs adapted to be embedded in the crown, the upper end of the front portion having integral therewith rearwardly extending diverging portions, concavo-convex in cross-section and diminishing in breadth as they extend rearwardly and terminating in pointed barbs adapted to be embedded in the hat crown, the sheet member at the junction point of the upper end of the front portion and the rearwardly extending diverging portions having two laterally spaced indentations therein.

2,426,340

NAIL STRAIGHTENER

Eugene S. Bush, Portland, Oreg.

Application September 4, 1944, Serial No. 552,698
4 Claims. (Cl. 153—48)



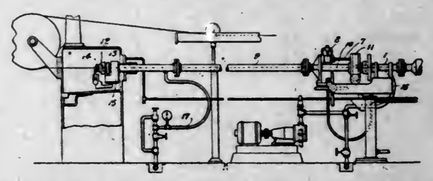
4. A nail straightener of the character described comprising a supporting member, a plunger guide extending horizontally from said supporting member, a plunger slidably mounted in said plunger guide, a V-shaped horizontal transverse groove extending entirely across the outer end of said plunger, said plunger guide cut away near its outer end so as to have a pair of horizontal surfaces on opposite sides of said plunger located in the same horizontal plane as the lower edge of said plunger groove, a shoulder extending upwardly from the outer end of each of said horizontal surfaces, a V-shaped notch in each shoulder, said notches being in transverse alinement with each other and being approximately the same size in cross-section as said groove in said plunger, the lower edges of said notches located in the same horizontal plane as said horizontal surfaces, and lever means for forcibly moving said plunger towards the outer end of said plunger guide.

2,426,341

PROCESS AND APPARATUS FOR VULCANIZATION

Charles M. Canfield, Utica, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Application October 20, 1944, Serial No. 559,585
6 Claims. (Cl. 18—6)



1. Process for the continuous vulcanization of insulated electrical conductors which comprises passing a conductor continuously through a vulcanizing zone, subjecting said conductor to heat and pressure while passing through said vulcanizing zone, thereby vulcanizing the conductor and at the same time developing undesirable high internal pressures in entrapped pockets of air and moisture, passing said conductor continuously and directly from said vulcanizing zone to a cooling zone, and continuously maintaining a uniform pressure on said conductor while it is passing through said cooling zone, the pressure in the cooling zone being in excess of the internal pressures developed in said conductor while passing through said vulcanizing zone and being maintained until the internal pressures have been reduced by the cooling of the conductor to values such that there is no danger of blistering when the conductor emerges from the cooling zone to atmospheric pressure.

3. In apparatus for the continuous vulcanization of insulated electrical conductors wherein an insulated conductor passes continuously through an elongated vulcanizing chamber containing steam under high pressure and emerges directly through an exit seal in the chamber wall to the atmosphere with danger of blistering the insulation upon the abrupt drop in pressure on the hot conductor, the combination with the vulcanizing chamber of an elongated cooling chamber forming an extension of the vulcanizing chamber beyond the said exit seal, a second exit seal in the distant end of the cooling chamber permitting continuous passage of the moving conductor therefrom to the atmosphere, and means for circulating cooling fluid through said cooling chamber under pressure approaching the pressure in the vulcanizing chamber, the cooling chamber providing an open, unimpeded passage-way for the cooling fluid along the moving conductor so that the high pressure is maintained uniformly throughout its entire length between the two said seals.

2,426,342

DRIVE WHEEL AND TRACTION BELT FOR ROAD VEHICLES

Kibbey W. Couse, Newark, N. J.

Application January 27, 1944, Serial No. 519,847
8 Claims. (Cl. 180—9.1)



1. In a road vehicle having a chassis carrying a power unit and a differential gearing to receive power from said unit with at least one pair of laterally spaced dual wheels and tires of the same diameter at the rear end of the chassis on each side thereof and arranged to receive power direct from said differential, means for increasing the traction of the vehicle including at least one pair of laterally spaced dual wheels and tires of equal diameter mounted on each side of the chassis longitudinally forwardly of said first mentioned dual wheels and a belt drive connecting said longitudinally spaced pairs of wheels, the forwardly positioned sets of wheels being arranged so they as well as the belts provide no driving contact on the terrain when the vehicle is travelling on hard terrain.

2,426,343

METHOD AND APPARATUS FOR WAVING HAIR

Menotti del Zoppo, New York, N. Y.

Application February 17, 1945, Serial No. 578,409
4 Claims. (Cl. 132—33)



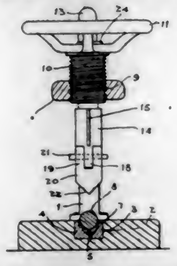
4. A hair waving rod comprising flaring ends, an approximately semitubular element continuous with the ends and extending therebetween, an elongated and approximately semitubular member disposed parallel to the said element and between the two ends, means mounting the said member in movable manner so that in one position it forms with the said element an approximately tubular midpart of the rod and means for displacing the said member alternately towards and away from the said element while maintaining the member at all times between the two ends and generally parallel to the said element, so as to vary the perimeter of the midpart.

2,426,344

DEVICE FOR SPLITTING DIAMOND DRILL CORES

John G. Dickenson, Toronto, Ontario, Canada

Application August 13, 1945, Serial No. 610,596
6 Claims. (Cl. 125—23)



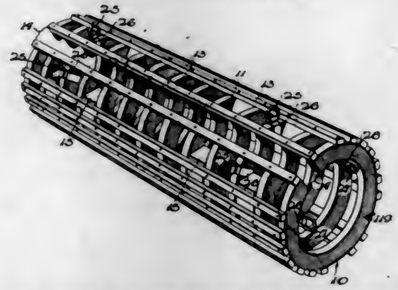
1. A device for splitting diamond drill cores, comprising a base, an anvil block having a recess adapted to retain a length of said core mounted in said base, a longitudinal splitting rib arranged in the bottom of said recess, a frame mounted on said base extending over said anvil block, a member slidably mounted in said frame, and a bevelled core-splitting tool secured to said slidable member.

2,426,345

CAMEL

Cornelius D. Dosker, Louisville, Ky., assignor to Gamble Brothers, Louisville, Ky., a corporation of Kentucky

Application November 26, 1945, Serial No. 630,827
20 Claims. (Cl. 114—219)



1. A camel adapted for use as a buffer between ships underway or similar situations, comprising: a substantially cylindrical assembly including a series of resilient annular frames spaced along the longitudinal axis of the assembly, sectors of the frames being omitted to permit the frames to be compressed and to expand; and strakes secured to the frames and extending longitudinally of the assembly to permit torsion of the assembly while maintaining the frames in their approximate predetermined relative positions.

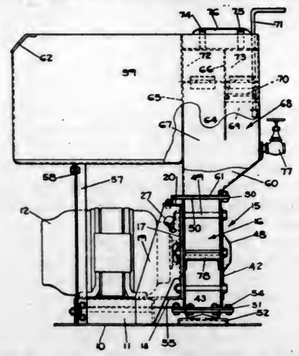
2,426,346

COMPARTMENTED SAFETY TYPE FEED UNIT FOR GRINDERS

Oscar J. Feight, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio

Original application June 2, 1942, Serial No. 445,433. Divided and this application December 7, 1943, Serial No. 513,250
2 Claims. (Cl. 241—186)

1. A garbage grinder comprising a housing having a feed inlet, grinding mechanism in said housing, a pan above said housing, a throat connecting said pan and feed inlet, said pan and throat being adapted for receiving and directing garbage to said grinder mechanism, said pan including upright walls forming a pair of adjacent open bottomed interconnected compartments extending upwardly from the bottom thereof and both communicating with said throat, one of said compartments being off-set laterally with respect to said housing grinder feed inlet and a vertical wall thereof forming a feed receiving opening extending upwardly from the bottom of said pan, a pivoted controllable closure means for said opening, and closure means for closing the tops of said compartments; whereby a person feeding garbage to said grinder through said upwardly extending feed receiving opening and said laterally off-set compartment cannot extend his hand through said throat into the path of said grinding mechanism and said last named closure means may be opened to facilitate cleaning of said chambers, throat and grinding mechanism.

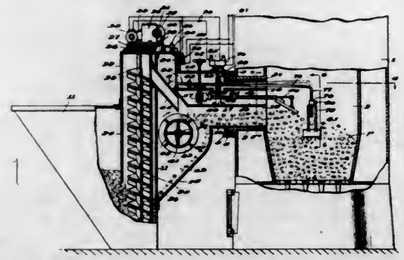


2,426,347

FUEL FEEDING MECHANISM

Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee

Application June 17, 1941, Serial No. 398,500
17 Claims. (Cl. 110—101)



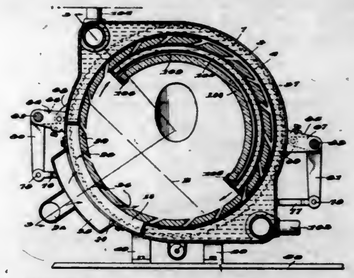
1. In feeding mechanism, the combination of a receptacle adapted to receive a quantity of material therein, an elongated supporting device extending transversely of said receptacle and having a feeler suspended therefrom in position to bear upon the material in the receptacle, means for reciprocating said supporting device, guide means for directing the reciprocating movement of the supporting device while permitting transverse bodily movement thereof, and means associated with said guide means and operable by the transverse bodily movement of the supporting device for controlling the feeding means.

2,426,348

ROTARY-GRATE BURNER

Weston M. Fulton and Sidney R. Galyon, Knoxville, Tenn., assignors to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee

Application July 27, 1944, Serial No. 546,770
4 Claims. (Cl. 110—35)



1. A burner for solid fuel comprising a structure including rotary grates mounted for movement through an orbit and adapted to support a fuel bed in the lower portion of said orbit, and a water-cooled baffle extending beneath the grates at the upper region of the orbit and on the opposite side of the orbit from the fuel bed, being transversely curved and having a peripheral surface supporting the grates thereon during movement through the upper portion of the orbit.

2,426,349

p-CHLORO-ACETOPHENONE SEMICARBAZONE AS AN INSECTICIDE

Samuel I. Gertler and Herbert L. J. Haller, Washington, D. C., assignors to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Original application December 7, 1943, Serial No. 513,220. Divided and this application September 27, 1945, Serial No. 619,013
2 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

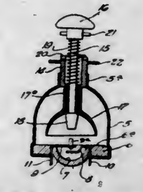
1. An insecticidal dust composition comprising p-chloroacetophenone semicarbazone in the form of an impalpable powder admixed with a solid diluent.

2,426,350

TIME SWITCH

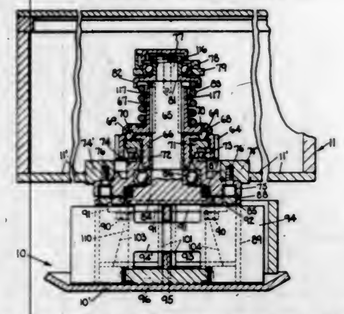
Luther R. Harmon, Chicago, Ill., assignor of one-half to Fred J. Burt and one-half to William D. Lloyd

Application October 17, 1945, Serial No. 622,753
9 Claims. (Cl. 200—33)



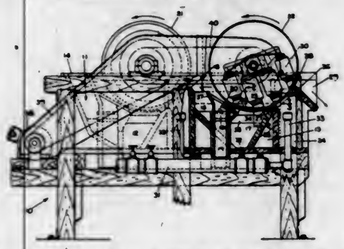
1. In a time switch, a base member, an imperforate vacuum cup adapted for engaging the upper surface of said base member for closing a switch, the plane of the upper surface of said base and the plane of the lower edge of said cup having an angular relation, and yielding means normally tending to elevate said cup.

2,426,351
SPRING PRESSED OVERLOAD RELEASE CLUTCH
Robert K. Jeffrey, deceased, late of Bexley, Ohio, by Florence H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application December 9, 1942, Serial No. 468,398. Divided and this application March 30, 1944, Serial No. 528,720
1 Claim. (Cl. 64—29)



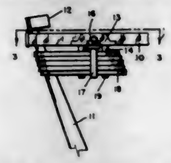
In a device of the class described, the combination with a shaft, of a gear journaled on said shaft, a spring-pressed slip clutch connecting said gear and said shaft and including thrust means acting on a series of circumferentially spaced balls extending through openings in said gear, a support for said shaft, and means for receiving the thrust through said balls and transferring it to said support.

2,426,352
DEVICE FOR GUIDING FLOW OF MATERIAL IN MAGNETIC SEPARATORS
Claus J. Johnson, Columbus, Ohio, assignor to The Jeffrey Company, a corporation of Ohio
Application July 15, 1943, Serial No. 494,831
5 Claims. (Cl. 209—232)



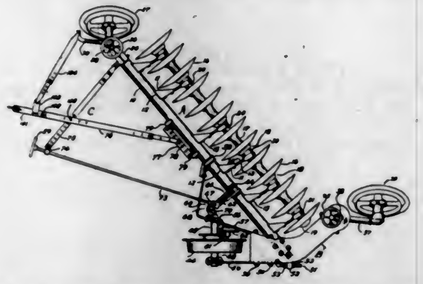
2. A separator box including side walls, a magnetic material gathering device movable between said side walls and having a bottom gathering surface, a feed chamber in said box below said gathering surface, a gangue lip across one side of said chamber positioned to insure a water level in said chamber above said gathering surface so water and material moving upwardly in said feed chamber and over said lip will contact said surface, means including guide blocks extending inwardly from the sides of said feed chute and overlapping below said surface and extending both above and below the water level to guide the water and material onto said surface between its side edges prior to its flowing over said gangue lip, and means for feeding magnetic bearing material and water to said feed chamber.

2,426,353
PICKER STICK CHECK STRAPS
Harold J. Johnson, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application February 23, 1946, Serial No. 649,521
1 Claim. (Cl. 139—165)



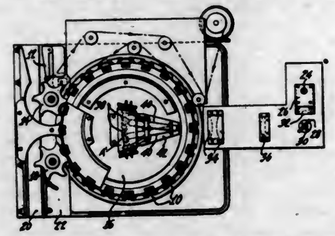
A picker stick check device comprising a plurality of separate, endless straps arranged in the form of a loop, encircling the picker stick, the several strap loops being independent throughout their entire lengths and mounted for independent movement, in edge contacting relation, forming a check strap loop whose width is equal to the combined width of the several straps, and friction snubbers on both sides of the loop, operatively associated therewith to resist longitudinal movement, the length of the loops being less than the travel of the picker stick stroke at that point, whereby each strap will move different distances and produce a snubbing effect that increases as the picker stick approaches the end of its stroke.

2,426,354
DISC TILLER
Howard M. Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application February 19, 1944, Serial No. 523,131
4 Claims. (Cl. 97—53)



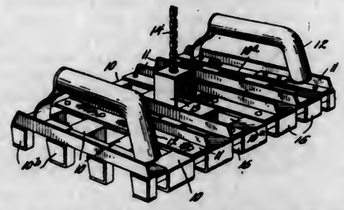
1. An earth tiller of the character described comprising, a shaft forming a main frame member and being positioned at an angle to the direction of travel, carrying wheels mounted on the front and rear ends of said main frame member, an earth working member mounted on said main frame member, comprising a tube rotatably surrounding said main frame member for substantially the length thereof, spaced earth engaging discs rotatably secured to and positioned a short distance in rear of said tube, manually controlled means associated with said main frame and tube adapted to determine the vertical position of said discs by turning said tube on said main frame member, draft means connected to the front end of the main frame member and to the front edge of said tube intermediate the ends of the tube, their front ends being adjustably connected together whereby the angle of said main frame relative to the direction of travel may be manually determined.

2,426,355
BOTTLE INSPECTION APPARATUS
Edward W. Kellogg, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1944, Serial No. 555,921
13 Claims. (Cl. 250—41.5)



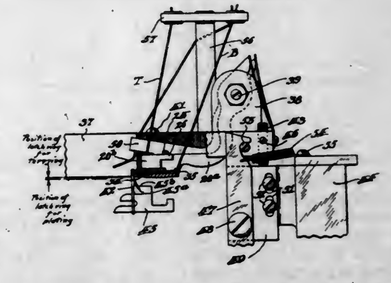
10. In apparatus for the photoelectric inspection of the contents of a transparent container which moves for a predetermined inspection period in a circularly arcuate path, the combination of a source of light and a mirror outside said path, said mirror being pivoted about its vertical axis, means for directing light from said source to said mirror whereby to derive therefrom a reflected beam of light, a lens system having its conjugate focal points at said axis and the center of said path, respectively, for directing said reflected beam through said container to said center, light-responsive means located to receive light from said beam passing through said container and adapted to move in synchronism with said container during said period in a path concentric with, but of smaller radius than the path of said container, and means for rotating said mirror about said axis during said period in synchronism with said container.

2,426,356
BOTTLE HANDLING MECHANISM
Eugene Kelly, Toronto, Ontario, Canada, assignor to The Coca-Cola Company, Atlanta, Ga., a corporation of Delaware
Application February 24, 1945, Serial No. 579,528
2 Claims. (Cl. 294—87)



1. A device for simultaneously lifting and transporting the bottles of a group of bottles arranged in parallel rows and the tops of which are bulbous and disposed approximately in a plane, said device comprising a frame and a plurality of bottle engaging elements projecting downwardly therefrom, said elements being disposed in a plurality of parallel rows, each two adjacent elements being formed and spaced to define a notch adapted to receive with a loose fit the neck of a bottle which is disposed substantially normally to said frame, to engage at two diametrically spaced points the undersurface of the bulbous top of a bottle so positioned and to also engage the side surface of such bulbous top to limit movement of the bottle top along said elements in a direction away from the mouth of the bottle neck receiving notch, each such element being generally L-shaped with one leg portion thereof disposed in a parallelism with the frame and the second leg portion constituting a connection between the first leg portion and the frame, the first mentioned leg portion being disposed to engage the undersurface of a bulbous bottle top and the second mentioned leg portion the side surface of such a bottle top, said device being adapted to be moved in a plane parallel to the plane in which the tops of a plurality of rows of bottles are approximately disposed, to cause the neck of each such bottle to enter a notch between two elements, and to be thereafter elevated to engage the tops of all such bottles and lift the bottles as a group for transportation, the bottles being pivotally suspended so as to hang vertically despite minor tilting movements of the frame during transportation.

2,426,357
KNITTING APPARATUS AND METHOD
Ezekiel Killian, Reading, Pa., assignor of one-fourth to E. Louis Kotzen, one-fourth to Samuel R. Kotzen, one-fourth to Myer E. Kotzen, all of Reading, Pa., and one-fourth to Howard C. Mohn Hosiery Co. Inc., a corporation of Pennsylvania
Application March 25, 1944, Serial No. 528,110
17 Claims. (Cl. 66—93)

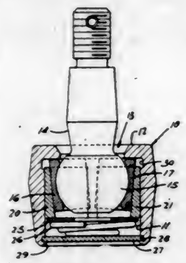


1. A knitting machine comprising, a reciprocally movable circular series of independently operable needles, a series of yarn sinkers cooperatively associated with the latter, a latch ring, a throat plate device associated with the latter and provided with a yarn reeving edge, stationary yarn guide means combined with said throat plate device and arranged to direct a yarn to the needles from a position below said reeving edge and at an angle such that it will enter the throats of the successive knitting sinkers thereby to effect the knitting of successive plain loop courses during reciprocal movement of the needle series, and means arranged to feed a yarn to the needles over said reeving edge from a plurality of positions as selectively determined by the yarn and at an angle such that the yarn will pass over the top edges of the successive knitting sinkers thereby to effect the addition of terry loops to each of said successive plain loop courses during said reciprocal movement of the needle series.

2,426,358
JOINT CONSTRUCTION
Reynold E. Klages and William A. Flumerfelt, Columbus, Ohio, assignors to The Columbus Auto Parts Company, Columbus, Ohio, a corporation of Ohio
Application May 21, 1945, Serial No. 594,890
5 Claims. (Cl. 287—87)

1. In combination, a housing; a ball of a ball stud located inside said housing; ball seats around

said ball; wedging means contacting said seats, and located within said housing; means for moving said wedging means to cause said seats to



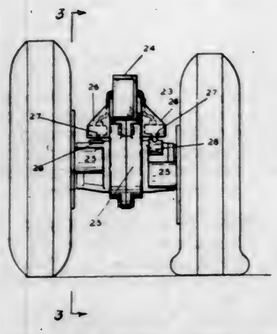
take up around said ball upon wear; and means to prevent shoulder formations from being produced between said wedging means and said housing during use of said joint.

2,426,359
BORING BAR
Sander Lankheet, Lansing, Mich.
Application June 24, 1944, Serial No. 541,912
1 Claim. (Cl. 77—58)



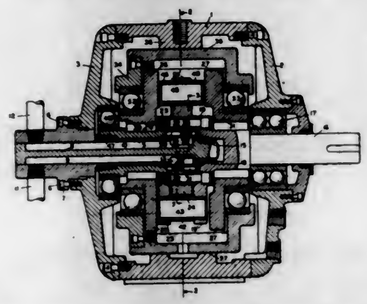
In a boring bar adapted to be supported for rotation about its longitudinal axis and having a relatively long cylindrical shank provided at one end with a cutter member, said shank provided with a groove extending substantially throughout the length thereof parallel to the axis of the shank, said groove being filled with vibration damping material.

2,426,360
VEHICLE SUSPENSION WARNING INDICATOR CONTROL
Glenn L. Larison, La Grande, Oreg., assignor to Larison Compensating Axle Corporation, a corporation of Oregon
Application February 12, 1945, Serial No. 577,565
2 Claims. (Cl. 200—58)



2. In a vehicle, a pair of wheel spindle arms mounted for up-and-down movement in parallel vertical planes, a wheel spindle on each arm and a vehicle wheel on each spindle, compensating means interconnecting said arms whereby downward movement of one arm will normally produce upward movement of the other arm, warning indicator control elements located in fixed positions above each of said arms and in the same vertical planes wtih said arms respectively, springs mounted on said arms and adapted to actuate said control elements respectively when said arms are raised an excessive amount, whereby deflation of the tire on one of said wheels, causing that wheel to be lowered and the other wheel to be raised, will result in the actuation of the control element associated with the spindle arm of said other wheel, and whereby either of said springs, when caused by a deflated tire to actuate a control element, will nevertheless permit further functioning of the compensating means.

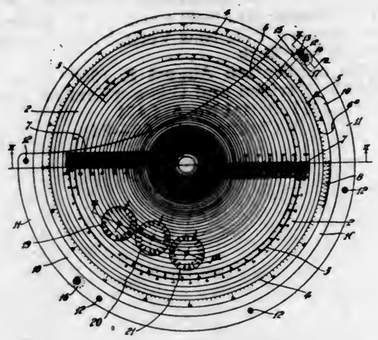
2,426,361
VARIABLE DELIVERY ALTERNATING PISTON PUMP
Thomas J. Lester, Shaker Heights, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application December 9, 1942, Serial No. 468,370
20 Claims. (Cl. 103—120)



1. In a pump, concentric rotary members rotatable with respect to each other, displacement chambers provided between said members, a rotatable member surrounding said rotary members mounted upon an axis eccentric of that of said rotary members, connecting elements between said rotary members and said eccentrically mounted rotatable member for transmitting variable velocity rotary motion from one to the other of said rotary members, said rotary members being in radial alignment, and driving means directly connected to one of said rotary members.

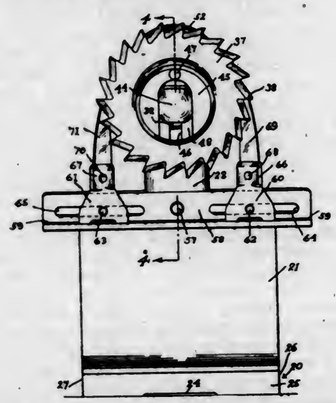
2,426,362
SLIDE RULE CALCULATOR
George Marsden MacDonald, Coventry, England
Application October 16, 1944, Serial No. 558,851
In Great Britain October 26, 1943
4 Claims. (Cl. 235—84)

1. An instrument for use in making mathematical calculations involving the use of the logarithmic system, comprising three co-operating elements, viz: a flat disc having inscribed thereon a spiral graduated in equal steps representing numbers and a circular scale surrounding said spiral concentrically with the origin thereof and graduated in equal divisions representing logarithms, an index movable relatively to and around said circular scale, and a sheet of transparent material arranged over a part of said disc and engraved with a hair line radial to the origin of said spiral, said disc and index being movable rela-



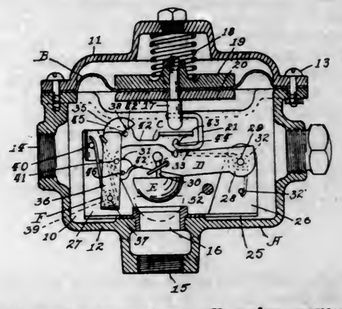
tively to each other and to the sheet of transparent material about the origin of said spiral.

2,426,363
APPARATUS FOR THE SHARPENING OF CUTTERS
Evo Malaguti, Wellesley, Mass.
Substituted for application Serial No. 469,989, August 2, 1943. This application filed July 31, 1945, Serial No. 608,045
16 Claims. (Cl. 51—225)



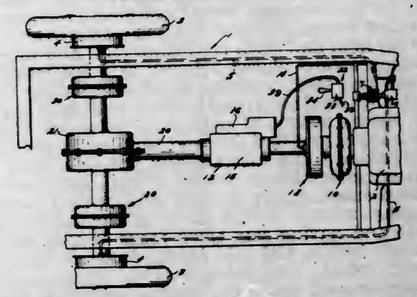
1. In a holder for a cutter having radially cut teeth, the combination with a support provided with a fixed gauging surface lying in a plane, said support being adapted to have a toothed cutter rotatably mounted thereon in such location that upon rotation of said cutter the radial surface of each cutter tooth may lie in said plane but is spaced from said fixed gauging surface, of a tooth rest provided with a surface adapted, upon rotation of the cutter, to engage the radial surface of each tooth; said tooth rest being movably mounted on the support so that the rest may be moved to cause its said surface to lie in said plane, and said fixed gauging surface having sufficient area so that an element having a straight edge or a planiform surface may lie on said fixed gauging surface and bridge the space between it and the tooth-engaging surface of the tooth rest for contact with said tooth rest surface so that it lies in said plane upon said movement of the tooth rest.

2,426,364
AUTOMATIC SHUTOFF VALVE
Aubrey W. Massecar, Huntington Park, Calif., assignor to Ester Muriel Massecar, Los Angeles, Calif.
Application August 14, 1945, Serial No. 610,705
3 Claims. (Cl. 137—153)



3. An automatic shut off valve comprising a housing which forms a gas chamber having an inlet and an outlet, a valve adapted to control the opening and closing of said outlet; a diaphragm in said chamber influenced to reciprocate by changes in pressure of gas therein and having trip engaging means, a valve arm movably supported in said chamber and connected to open or close said valve, resilient means tending to urge said arm and said valve to close said outlet opening, a latch movably supported to releasably engage said arm and permit the valve to close, a trip hinged in said housing and adapted to be reciprocated by engagement with said trip engaging means when said diaphragm is reciprocated by change in gas pressure in said chamber either above or below normal, said trip having double latch engaging means adapted to cause disengagement of said latch from said valve arm to release the valve into closed position when gas in said chamber either increases or decreases above or below normal pressure.

2,426,365
SERVICE BRAKE MECHANISM AND BRAKE-CONTROLLED DRIVING MEANS FOR MOTOR VEHICLES
John Dayton Matlock, Hope, Ark., assignor of fifty per cent to William T. Matlock, Arkadelphia, Ark.
Application January 5, 1944, Serial No. 517,095
3 Claims. (Cl. 180—70)



1. In a motor vehicle, the combination of a longitudinal driving shaft, rear traction wheels at opposite sides of the vehicle, a transverse driven shaft operatively connected at opposite ends to said rear traction wheels, concentric inner and

outer longitudinal propeller shafts constantly connected to said driven shaft for respectively driving the latter in opposite directions, means including a clutch member selectively shiftable to the desired one of three positions to respectively disconnect said driving shaft from said propeller shafts, to connect said driving shaft to the inner propeller shaft, or to connect said driving shaft to the outer propeller shaft, means to selectively shift said clutch member to any desired one of said positions, service brakes for said driving shaft and said rear traction wheels, foot-actuated operating means for said brakes, and means controlled by the brake operating means for preventing actuation of the clutch member shifting means when the brakes are released and for conditioning the clutch member shifting means for actuation of the clutch member when the brakes are applied.

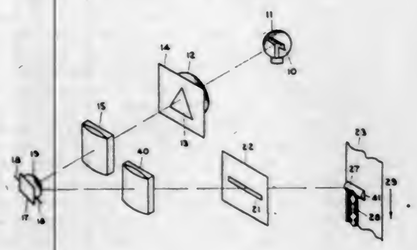
2,426,366

IMPULSE RECORDING OPTICAL SYSTEM

John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., New York, N. Y., a corporation of New York

Original application August 2, 1940, Serial No. 349,515. Divided and this application December 4, 1944, Serial No. 566,459

8 Claims. (Cl. 88—24)



1. In an optical system, the combination of means for forming a light spot of vertically graded light flux; a mirror adapted to vibrate about a horizontal axis; means forming a horizontal slit; a recording point past which a film may move in a substantially vertical direction; first imaging means placed between said light spot and said mirror, and having first and second conjugate foci; second imaging means placed between said mirror and said slit forming means, and having third and fourth conjugate foci; third imaging means placed in front of said mirror, and having fifth and sixth conjugate foci; and fourth imaging means placed between said slit forming means and said recording point, and having seventh and eighth conjugate foci: said first imaging means acting in only the horizontal plane and having said first focus at said light spot, and said second focus substantially at said mirror so that an intermediate image of said light spot is formed substantially on said mirror; said second imaging means acting in only the horizontal plane and having said third focus at said intermediate image, and said fourth focus at said recording point; said third imaging means acting in the vertical plane and having said fifth focus at said light spot, and said sixth focus at said slit; and said fourth imaging means acting in only the vertical plane and having said seventh focus at said slit, and said eighth focus at said recording point.

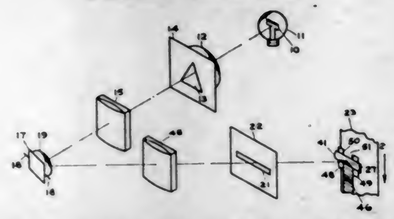
2,426,367

VARIABLE DENSITY RECORDING OPTICAL SYSTEM

John A. Maurer, Jr., New York, N. Y., assignor to J. A. Maurer, Inc., New York, N. Y., a corporation of New York

Original application August 2, 1940, Serial No. 349,515. Divided and this application November 21, 1944, Serial No. 564,451

8 Claims. (Cl. 88—24)



1. In an optical system, the combination of means for forming a uniformly illuminated light spot whose horizontal extension varies in a vertical direction; a mirror adapted to vibrate about a horizontal axis; means forming a slit which extends horizontally; a recording point past which a film may move in a substantially vertical direction; and means for forming at said recording point a horizontal line image whose illumination varies when said mirror vibrates about said axis; said last mentioned means including first imaging means placed between said light spot and said mirror, and having first and second conjugate foci; second imaging means placed between said mirror and said slit forming means, and having third and fourth conjugate foci; third imaging means placed in front of said mirror, and having fifth and sixth conjugate foci; and fourth imaging means placed between said slit forming means and said recording point, and having seventh and eighth conjugate foci: said first imaging means acting in only the horizontal plane and having said first focus at said light spot, and said second focus substantially at said mirror so that an intermediate image of said light spot is formed substantially on said mirror; said second imaging means acting in only the horizontal plane and having said third focus at said intermediate image, and said fourth focus at a position other than said recording point; said third imaging means acting in the vertical plane and having said fifth focus at said light spot, and said sixth focus substantially at said slit; and said fourth imaging means acting in only the vertical plane and having said seventh focus at said slit, and said eighth focus at said recording point.

2,426,368

APPARATUS FOR FREEZING LIQUIDS

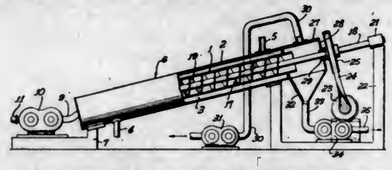
Walter W. Mayne and Kenneth A. Murphy, Pasadena, Calif., assignors, by mesne assignments, to Pre-Pak Freezer Corporation, Los Angeles, Calif., a corporation of California

Application December 27, 1943, Serial No. 515,860

2 Claims. (Cl. 62—114)

1. In an apparatus for rapidly freezing a liquid heterogeneous mixture, the combination of: an elongated freezing chamber; means for refrigerating said freezing chamber to a temperature substantially below the freezing points of the constituents of said mixture; means for introducing liquids to be frozen into one end of said chamber; means for moving said liquids through said chamber at a rate adjusted to discharge

said liquids from the other end of said chamber at a temperature below the freezing point of a part of the constituents of said mixture and



above the freezing point of the remainder of said constituents; and means for exhausting the interior of said chamber to maintain a pressure therein substantially less than atmospheric.

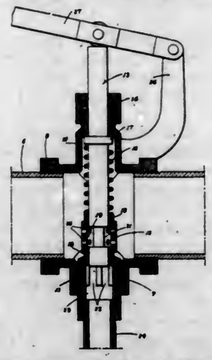
2,426,369

SAMPLER

Clarence W. Paulsen, Taft, Calif.

Application April 28, 1945, Serial No. 590,916

2 Claims. (Cl. 73—422)



1. A sampler comprising a fitting having an inlet and an outlet, for connection with a flow pipe, a recessed boss projecting outwardly from one side of the fitting, a recessed cage projecting into the said fitting at a point diametrically opposite said recessed boss, said cage having ports communicating with the interior of the fitting, a plunger guided through the recessed boss and cage and projecting to a point outside the boss, a collar on the plunger at a point inside the fitting, a compression spring interposed between the cage and said collar and normally functioning to hold the collar against the bottom of the recess of the boss, the plunger being provided with an annular groove which is in register with the ports in the cage when the collar is held against the bottom of the recess in the boss, a conduit leading from the fitting at a point in line with the cage, the plunger being operative to bring the annular groove therein into register with said conduit when the plunger is moved through the fitting against the compression of the spring, and a lever means arranged exteriorly of the fitting and operable to engage and so move the plunger.

2,426,370

PIPE SEAL

Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas

Application December 4, 1943, Serial No. 512,949

2 Claims. (Cl. 166—12)

1. Sealing means for forming a fluid tight seal between an outer pipe and an inner pipe in a well bore comprising two tubular sections one telescoping into the other and said sections being movable axially relative to each other, shoulders on the sections arranged to interengage to prevent complete separation of the sections, a sleeve of deformable material around the telescoping portions of said sections, external shoulders on said sections which abut the ends of said sleeve, said sleeve being inwardly thickened between its ends and formed with upper and lower annular inwardly tapering, faces, the outer tubular section having an external tapering portion which



fits within one of said tapering faces, a sleeve like wedge around the inner section and having an end which telescopes over the opposing end of the outer section and is externally tapered inwardly and fits within the other of said faces, an external shoulder on said inner section which abuts the other end of said wedge whereby upon longitudinal movement of the inner section relative to the outer section, in one direction, said tapering portion and said wedge will operate against the internal faces of the sleeve to expand the sleeve.

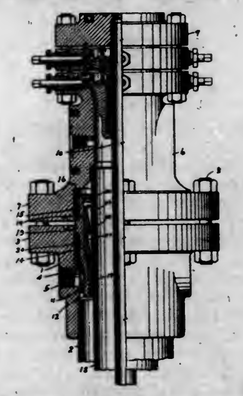
2,426,371

CASING AND TUBING HEAD ASSEMBLY

Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas

Application May 29, 1945, Serial No. 596,509

9 Claims. (Cl. 285—22)



1. A casing and tubing head assembly comprising, a casing head, a tubing head thereon, a

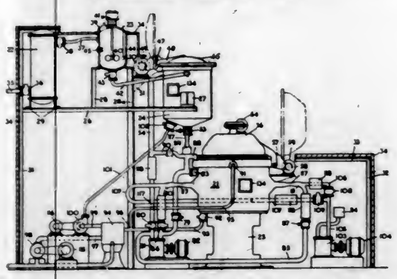
tubular retainer in the assembly having external, annular upwardly and downwardly facing shoulders, packing assemblies within the respective heads abutting said shoulders and means on the respective heads for applying endwise compressive force to the packing assemblies when the heads are drawn together.

2,426,372

TREATING SKINS, TEXTILE FABRICS, AND THE LIKE

Paul Poser, London, England

Application May 16, 1946, Serial No. 670,188
In Great Britain May 16, 1945
7 Claims. (Cl. 69—31)



1. Apparatus, for use in treating skins, comprising a chamber in which the skins are to be placed in a stack, a header tank for a reagent to be used in the treatment, means for propelling the reagent through the chamber in a direction from edge to edge of the skins in the stack, means for controlling said propelling means to vary the speed and pressure of the reagent flow, means for relatively presenting different portions of the peripheries of the skins in the stack to the reagent at entry to the chamber, means for producing pressure increments on different areas of the skins in a direction generally normal to the surfaces thereof thereby to continuously flex the skins, valve means for controlling the flow of the reagent, and thermostatically-controlled heating means for the reagent.

2,426,373

GRAVITY FLASHLIGHT SWITCH

Napoleon E. Pringle, Gloversville, N. Y.

Application September 28, 1943, Serial No. 504,190
3 Claims. (Cl. 200—60)



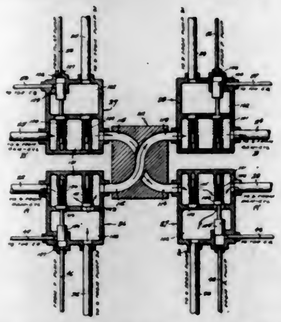
1. In a flashlight, the combination of first and second contacts, a hollow switch body having tapered inner walls and having a third contact electrically connected to said first contact, a gravity responsive switch element comprising said first contact which is mounted within and is guided for movement by the tapered inner walls of said hollow switch body, said gravity responsive switch element having a circular cross-section, a flat base and a rounded top, said switch element being arranged to engage the second contact when the flashlight is tipped downwardly for electrically bridging said first and second contacts to maintain a closed flashlight circuit, but shifting when the flashlight is tipped toward the horizontal, and to all upright positions, to move out of engagement with said second contact.

2,426,374

MARINE-VESSEL STEERING APPARATUS

Tyler W. Sprake, Seattle, Wash., assignor to Webster-Brinkley Co., Seattle, Wash., a corporation of Washington

Application July 20, 1942, Serial No. 451,678
15 Claims. (Cl. 60—52)



15. In combination with a prime-fluid system including a primary pump, providing a motor having hydraulic connection with the pump and operated therefrom, and having a valve in said connection which, by its opening, permits the hydraulic flow of the pump to return from the motor: devices operative to govern said valve and to control the primary pump comprising a pilot pump; means responsive to the pressure of the pilot pump for opening said valve; normally inactive means for actuating the primary pump; means responsive to the pressure of the pilot pump for activating said pump-actuating means; and operative interconnection from said pilot pump to both of the means and arranged and adapted to cause the exerted pressure of the pilot pump to first open said valve and then obtain a succedent operation of the primary pump.

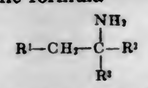
2,426,375

AMINES AND PROCESS FOR PREPARING THEM

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

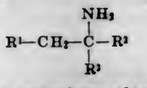
No Drawing. Application February 21, 1945, Serial No. 579,162
8 Claims. (Cl. 260—293)

1. Amines of the formula



wherein R^1 is a member selected from the group consisting of piperidine, pyrrolidines, and morpholine, and R^2 and R^3 represent alkyl groups.

5. In a process for the preparation of amines of the formula



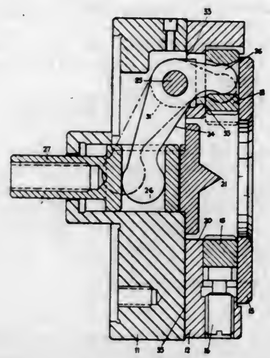
wherein R^1 is a member selected from the group consisting of piperidine, pyrrolidines, and morpholine, and R^2 and R^3 represent alkyl groups, the step which comprises subjecting the corresponding nitro compound to hydrogenation in the liquid phase in the presence of a nickel hydrogenation catalyst at a temperature not substantially in excess of 125° C.

2,426,376

CHUCK FOR MACHINE TOOLS

Cosby D. P. Smallpeice, near Southampton, England

Application November 24, 1944, Serial No. 564,996
In Great Britain December 10, 1943
4 Claims. (Cl. 279—119)



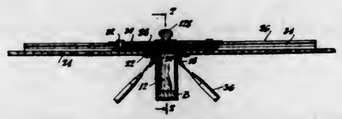
1. A chuck, for a machine-tool, which is operable by a draw-bar slidable axially within the spindle, including a block slidable transversely of the spindle and carrying at least one jaw fixed thereto, an opposed jaw slidably carried by the slidable block, and a lever fulcrumed on the slidable block and connected to the draw-bar and to the said opposed jaw so that axial movement of the draw-bar will slide the jaws radially with respect to the spindle.

2,426,377

SELENIUM RECTIFIER AND METHOD OF MAKING

Cleveland Scudder Smith, Jr., Indianapolis, Ind., assignor to Samuel Ruben, New Rochelle, N. Y.

Application December 7, 1943, Serial No. 513,265
11 Claims. (Cl. 117—107)



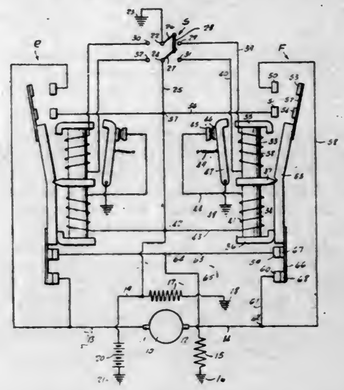
2. In the art of depositing a selenium layer of substantially uniform thickness upon at least one surface of a metal base, the improvement which comprises the steps of vaporizing selenium at substantially atmospheric pressure, forming the resulting vapors into a thin ribbon-like stream in substantially unadulterated vaporized form, surropnding said stream with an envelope of gas selected from the group consisting of reducing gases and inert gases, moving said metal base so as to intersect said stream in a direction perpendicular to the widest dimension of said stream to form a thin, uniform and adherent coating of selenium in the gray, metallic state upon said surface, and repeating said movement back and forth through said stream to form a selenium layer of desired thickness.

2,426,378

COMPOUND MOTOR WITH RELAY FOR REVERSING AND BRAKING

Amos L. Stanley, Middletown, Del., assignor to All American Aviation, Inc., Wilmington, Del., a corporation of Delaware

Application July 9, 1945. Serial No. 603,822
4 Claims. (Cl. 172—179)



4. In combination a compound motor including an armature, a series field and a shunt field, an electric relay for controlling the operation of said motor, said relay including a main control switch and electrical circuits, said circuits comprising a circuit in which said series field is included, holding points in said circuit, a bridge for said holding points, a rocker arm carrying said bridge, a second circuit in which said armature is included, contacts in said second circuit, a bridge for said contacts carried by said rocker arm at the end opposite to the end carrying said bridge, a solenoid core divided into a pair of sections, a knife associated with said core and on which said knife said rocker arm is operatively mounted, a pole piece at each end of said solenoid core, a winding on one section of said solenoid core and provided with connections extending to said controlled switch, a second winding on the other solenoid section, said second winding being connected to a circuit including a switch consisting of a pair of contacts, an arm carrying one of said contacts and under the influence of the pole piece on the solenoid section carrying the first winding, and yieldable means normally maintaining said last mentioned contacts in engagement.

2,426,379

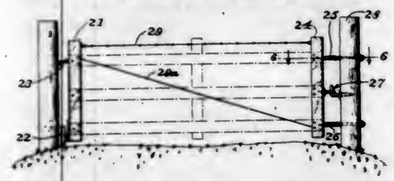
CELLULOSE ACETATE COATING COMPOSITIONS

Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 20, 1940, Serial No. 357,612
1 Claim. (Cl. 260—15)

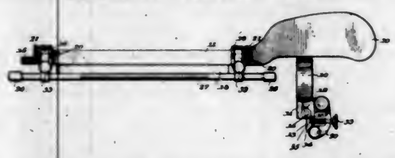
A coating composition which is an aqueous emulsion of about 10 parts of a melamine-formaldehyde resin prepared by reacting one mol of melamine with 6 mols of formalin and reacting the condensation product thereof with butanol, about 90 parts of cellulose acetate and about 100 parts of a fatty oil modified phthalic glyceride resin.

2,426,380
FARM GATE
Swan Swanson, Lansing, Mich.
Application June 10, 1944, Serial No. 539,717
5 Claims. (Cl. 39—96)



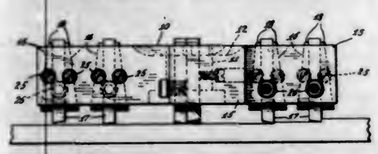
1. In a farm gate, a generally rectangular frame comprising two vertically extending metal members adapted to receive the ends of a plurality of longitudinally disposed boards; a wheel carried at the lower extremity of one of said metal members; a universal hinge carried at the middle of the other metal member and adapted to be connected to a gate post to support the weight of the hinged end of the gate frame; two springs connected to the ends of said other metal member and adapted to be pre-tensioned and connected to said gate post.

2,426,381
DERMATOME WITH THREADED AND ADJUSTABLE GUIDE ROD FOR CUTTING SKIN GRAFTS OF VARYING THICKNESS
Thomas R. Vermillion, Williamsburg, Va.
Application June 11, 1946, Serial No. 676,005
14 Claims. (Cl. 128—305.5)



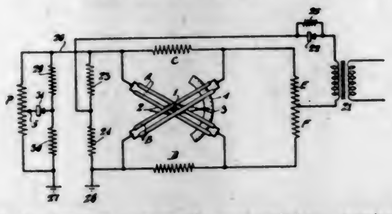
1. A dermatome comprising a base, a blade having a cutting edge mounted on said base, means on said base for preventing movement of said blade when said dermatome is in use, a guide rod, means for mounting said guide rod on said base and positioned above said blade for free rotary movement, and means for vertically adjusting said guide rod relative to said base and said blade.

2,426,382
MILLING CUTTER
Raymond G. Wilson, Indianapolis, Ind.
Application June 23, 1944, Serial No. 541,785
5 Claims. (Cl. 29—105)



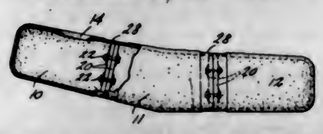
1. A face milling cutter, comprising a body, a circumferential series of arms projecting radially from said body, an axially extending slot in each of said arms, a cutting tooth disposed in said slot and projecting in a general axial direction from the associated arm, said tool having a radial dimension less than that of said slot whereby the tool may be adjusted radially in the slot, means for adjusting the tool radially, and a clamp means for holding the tool in adjusted position, said clamp means acting tangentially on said tool and including a tangentially disposed clamp screw.

2,426,383
ELECTRICAL MEASURING APPARATUS
Clare Anderson, Fayson Lakes, N. J., assignor to Realty Industrial Corporation, a corporation of New Jersey
Original application April 22, 1944, Serial No. 532,221. Divided and this application March 16, 1946, Serial No. 654,947
15 Claims. (Cl. 171—95)



1. A bridge network comprising controlling means connected to one portion of the network for varying the energy supplied to the respective branches of the network, a ratio meter having windings, an impedance device connected in series with one of the windings of the said meter, said series combination being connected across said controlling means, a second impedance device connected in series with another of the windings of said meter, said second series combination being connected across said controlling means, the said series combinations having the impedance device of said first named series combination and the winding of the second named series combination connected to one side of said controlling means and having the winding of said first named series combination and the impedance device of the said second named series combination connected to the other side of said controlling means, a third impedance device connected across said controlling means, a fourth impedance device connected between the intermediate connections respectively of the impedance devices and windings of said first and second series combinations, and a source of energy having one terminal thereof connected between portions of said third impedance device, the other terminal of said source being connected between portions of said fourth impedance device.

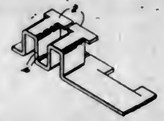
2,426,384
MANUFACTURE OF FLEXIBLE CONTAINERS
Francis W. Blanchard, Buffalo, N. Y., assignor to Hewitt Rubber Corporation, Buffalo, N. Y.
Application May 26, 1941, Serial No. 395,160
2 Claims. (Cl. 154—43.5)



1. A method of constructing a container made of non-metallic flexible material and having all of the walls thereof made integral and having a baffle in the interior thereof for dividing said container into compartments and each compartment having an opening therein through which a hand may be inserted, said method including the steps

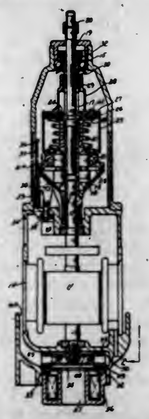
of securing, to opposite sides of the baffle, sections of a hollow breakable thin-walled form about the walls of which the container may be built, with the edges of said baffle exposed at the outer surface of the breakable form, applying to the exterior of said form the material forming the walls of said container and securing the edge portions of said baffle to said wall material, breaking said form when said container is completed and removing the broken parts of said form sections from the several compartments of said container.

2,426,385
FABRICATED PISTON RING
Thomas A. Bowers, Boston, Mass., assignor to Power Research Corporation, Boston, Mass., a corporation of Massachusetts
Application March 28, 1940, Serial No. 326,339
8 Claims. (Cl. 309—44)



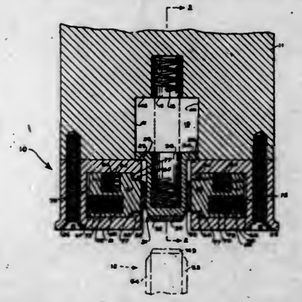
1. A packing ring formed from corrugated sheet material in which the lines of folding extend radially of the ring, said ring having upper and lower faces in spaced superimposed relation, each of said faces including a plurality of T-shaped portions with the heads thereof aligned to define wearing edges for the ring and with the legs thereof projecting radially inward in spaced relation to each other, and intermediate wall members extending radially of the ring along and between the legs of the superimposed T-shaped portions to hold the said portions together.

2,426,386
AUTOMATIC FEED HEAD
Claude E. Broders, Detroit, Mich., assignor to Victor Gauvreau, Detroit, Mich.
Application June 6, 1945, Serial No. 597,836
13 Claims. (Cl. 77—33)



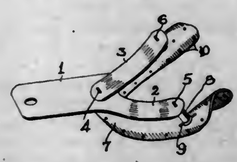
1. A feed head for feeding a rotating tool to a work piece at a predetermined substantially constant pressure and rate and comprising a housing, a shaft rotatable therein, a sleeve mounted on said shaft, a fixed member and a push member mounted on said sleeve, a plurality of centrifugally actuated radially movable separate cylindrical weights symmetrically disposed about said shaft between said fixed member and said push member with their longitudinal axes substantially parallel to the axis of said shaft, a tool holder connected with said sleeve, means for arresting rotation of said shaft after a predetermined movement of said push member, a spring for retracting said push member and said tool holder after actuation of said means for arresting rotation of said shaft, and a spacer member carried on said sleeve and connected with said centrifugally actuated radially movable weights to permit the independent rotation of each of said weights about its own longitudinal axis while being rotated as a part of a unit whose axis of rotation coincides with the axis of rotation of said shaft whereby a feeding pressure is exerted on said push member when said weights are moved radially in said spacer and in a direction outwardly of said shaft.

2,426,387
CIRCUIT BREAKER CONTACT
Arthur S. Caswell, Philadelphia, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 4, 1944, Serial No. 529,439
2 Claims. (Cl. 200—166)



1. In a circuit interrupter, an electrically conductive contact block having a substantially central opening; additional openings in said contact block on opposite sides of said central opening; contact members mounted in said additional openings in said contact block on opposite sides of said central opening; means biasing each of said contact members into engagement with a wall of its opening in said contact block; said contact block bridging said contact members on opposite sides of said opening; additional means biasing said contact members toward each other into said central opening; and stop elements for limiting the movement of said contact members into said central opening.

2,426,388
DENTAL IMPRESSION TRAY
Browning O. Chartrand, San Jose, Calif.
Application June 6, 1944, Serial No. 538,899
3 Claims. (Cl. 32—17)



2. A dental impression tray comprising a pliable impression tray member having a material hold-

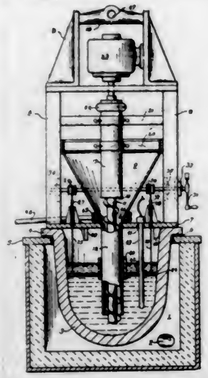
ing channel and being manually deformable over and to the shape of an alveolar ridge, a relatively rigid frame member pivotally connected to said tray member and having angularly adjustable arms, pivotal means adjustably connecting the free ends of said arms to end portions of the tray member, and frictional locking means associated with said pivotal connecting means for fixedly securing said tray and frame members in manually deformed conditions.

2,426,389

APPARATUS FOR RECOVERING SCRAP METAL

Frank D. Chew, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1943, Serial No. 496,771
4 Claims. (Cl. 266—33)



1. An apparatus for recovering highly oxidizable metal scrap contaminated with volatilizable matter, comprising a furnace adapted to receive a melt therein, a hopper for said scrap above said furnace, a power actuated conveyor for removing said scrap progressively downward from said hopper and for delivering it to the furnace melt beneath the surface thereof, said conveyor being enclosed within a tube extending through the furnace chamber above the surface of the melt and terminating below the surface of said melt, and a horizontal baffle adapted to be suspended in said melt above the scrap discharge end of said conveyor for holding any unmelted portion of said scrap beneath the surface of said melt until the scrap completely fuses therewith.

2,426,390

STRAIGHTENING APPARATUS

Alfred V. de Forest, Marlboro, N. H., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application November 17, 1944, Serial No. 563,931
2 Claims. (Cl. 153—32)



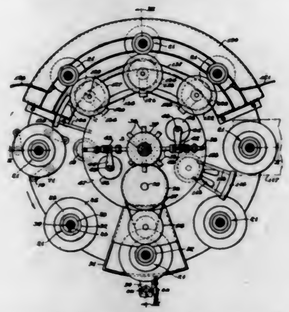
1. Apparatus for straightening a bent member comprising, in combination, means for supporting the bent member at two points which allow the member to be turned approximately 180° and which support the member during deflection thereof to straighten the same, strain means electrically responsive to displacement of the member when turned, thereby to determine the extent of misalignment of the member and consequently the extent to which it is necessary to bend the member in the opposite direction of the misalignment in order to straighten the same, means for applying a straightening load to the member, electrical strain responsive means connected to said load applying means for determining the applied load, and electrical means controlled by said strain means that is electrically responsive to displacement of the member and by said load applying means for indicating when the bent member has been sufficiently deflected in said opposite direction so that upon release of the straightening load the member will assume a position of substantial alignment.

2,426,391

DINNERWARE DECORATING APPARATUS

Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware

Application February 27, 1943, Serial No. 477,411
23 Claims. (Cl. 91—12)



20. A dinnerware banding machine comprising a horizontal table, a plurality of hollow spindles depending from the table at circumferentially spaced points, a mask of impervious material secured to the lower end of each spindle and having a central opening communicating with the inside of the spindle, means for intermittently rotating the table to index the masks from station to station, means at a loading station for centering a piece of ware relative to the mask above it, means at said loading station for raising the centered ware into engagement with the mask, the edge of the mask being capable of forming an air seal with the surface of the ware, suction means connected to the upper ends of the spindles to hold ware against the masks, means at another station for spraying a coating band on top of the projecting portion of the ware carried by the rotating masks, means at said spraying station for rotating the spindles, means for admitting atmospheric pressure to the spindles at a later station to release the banded ware, and mask-cleaning means located at a station beyond said releasing station, whereby each mask is cleaned before the table returns it to said loading station.

2,426,392

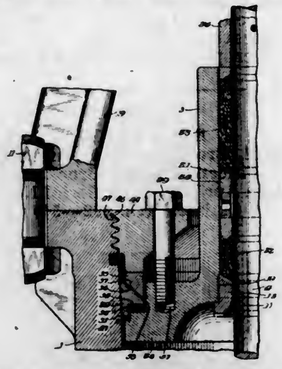
PRESSURE SEALED JOINT

Richard Fennema, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application April 19, 1945, Serial No. 589,117
2 Claims. (Cl. 220—46)

1. A pressure sealed joint for a valve or the like comprising a casing having an opening therein,

an axially movable bonnet member within the said opening, the casing opening having a substantially unbroken tapered surface defining its annular limits, a back-up member filling a substantial portion of the said opening, the said back-up member having at its lowermost portion a substantially horizontal annular surface, the said bonnet member having an oppositely disposed surface substantially in alignment with the horizontal surface of the back-up member, the respective casing, back-up member and the bonnet surfaces providing therebetween an annular gasket chamber, an annularly divided gasket having superposed portions positioned within the said gasket chamber with a lower gasket portion abutting against the tapered surface of the casing



opening and with the upper superposed gasket portion bearing against the horizontal surface of the said back-up member, the opposed surfaces of the annularly divided gaskets tapering inwardly at slightly different angles to provide an included angle therebetween, whereby the lower gasket portion is maintained in pressure sealing relation with the tapered surface of the casing opening upon predetermined axial movement of the said bonnet member, insulating means interposed in a chamber formed between an annular relieved portion of the lower member of the said divided gasket and an annular shouldered portion of the said bonnet, means for moving the said bonnet axially and thereby effecting initial compression of the said divided gasket and the said insulating means.

2,426,393

VISCOSIMETER

Kermit Fischer, Bridge Valley, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania

Application January 24, 1945, Serial No. 574,363
15 Claims. (Cl. 73—56)

1. A device for determining the viscosity of a moving fluid comprising a vertical metering tube having vertically-varying cross-sectional area available for fluid flow and adapted for vertical flow of fluid therethrough, an extension chamber in communication with said metering tube and generally in vertical alignment therewith, a metering float having a flow-constricting head portion disposed within said metering tube and having a body portion disposed within said extension chamber, said metering float being adapted for free up-and-down movement responsive to variations in rate-of-flow of fluid through said metering tube, and being relatively insensitive to variations in viscosity of said fluid, and a second float disposed within said metering tube, said second float being sensitive to and affected by variations in both rate-of-flow and viscosity whereby differences in positions of the two floats will be an indication of the viscosity of said fluid.

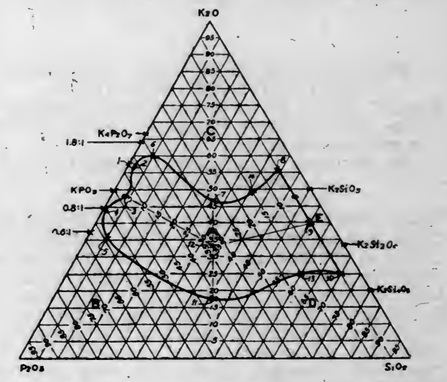


2,426,394

WATER-SOLUBLE GLASS COMPOSITION

Ralph E. Hall and Casimir J. Munter, Mount Lebanon, Pa., assignors to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application April 15, 1943, Serial No. 483,096
6 Claims. (Cl. 252—1)



3. A water-soluble glass consisting essentially of K_2O, P_2O_5 and SiO_2, the composition of the glass, when represented in mol per cent being so selected that in the ternary graph of the system, K_2O-P_2O_5-SiO_2, it lies substantially within the polygon defined by the points 60% K_2O, 35% P_2O_5, 5% SiO_2; 47% K_2O, 26.5% P_2O_5, 26.5% SiO_2; 56% K_2O, 5% P_2O_5, 39% SiO_2; 40% K_2O, 5% P_2O_5, 55% SiO_2; 25% K_2O, 5% P_2O_5, 70% SiO_2; 18% K_2O, 41% P_2O_5, 41% SiO_2; 36% K_2O, 59% P_2O_5, 5% SiO_2; 44% K_2O, 55% P_2O_5, 1% SiO_2; 48% K_2O; 48% P_2O_5, 4% SiO_2; 56% K_2O, 42% P_2O_5, 2% SiO_2.

2,426,395

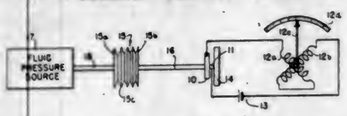
CERAMIC COMPOSITION

Kelsey I. Harvey, Beaver, Pa.

No Drawing. Application May 22, 1939, Serial No. 275,058
3 Claims. (Cl. 106—47)

1. A composition of the character described consisting of thirty-three and one-third parts by weight of boric acid, thirty-three and one-third parts by weight of litharge, and nine parts by weight of lithium nitrate.

2,426,396
FORCE DETERMINING DEVICE
Hans D. Isenberg, Wilmette, Ill.
Application February 21, 1945, Serial No. 579,139
4 Claims. (Cl. 177—351)

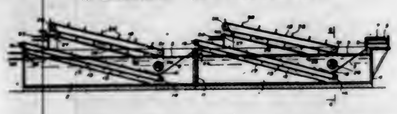


3. Apparatus for producing an effect representative of a variable force, comprising a pair of electrically conductive contacts having a square law contact pressure-contact resistance characteristic when engaged, means for producing a contact pressure between said contacts which varies in accordance with variations in said force, current responsive means for producing said effect, and means for passing a current through said current responsive means which varies in accordance with variations in the contact resistance between said contacts, thereby to produce a response of said current responsive means which is representative of said force, said current responsive means having a square law current-effect characteristic which is substantially the inverse of said contact pressure-contact resistance characteristic, whereby the response of said current responsive means bears a substantially straight line relationship with respect to variations in said force.

2,426,397
PROCESS FOR PREPARING UNSUBSTITUTED MERCAPTOTHIAZOLE
Paul C. Jones, Chagrin Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 14, 1944, Serial No. 558,736
6 Claims. (Cl. 260—302)

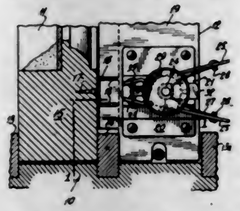
1. A process for the manufacture of unsubstituted 2-mercapto-thiazole which comprises reacting in solution in water a substance selected from the group consisting of ammonium and alkali metal dithiocarbamates with a substance selected from the group consisting of mono-halogenated acetaldehyde, tri-halogenated paraldehyde and mono-halogenated acetaldehyde hydrate, and removing by filtration the solid suspended intermediate product which converts spontaneously to the unsubstituted 2-mercapto-thiazole.

2,426,398
GRAVITY LIQUID SEPARATOR FOR POTATOES
Frank L. Lathrop, Merrill, Oreg.
Application August 8, 1944, Serial No. 548,610
2 Claims. (Cl. 209—173)



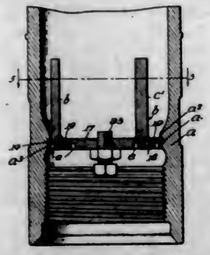
1. A device for grading potatoes and other root crops, comprising a tank, a liquid of predetermined specific gravity maintained at a constant level in said tank, means to introduce root crops into said tank at one end thereof, an inclined guide extended downwardly from said end of said tank to guide the sinking root crops downwardly in said liquid, a conveyor extended from below the end of said guide upwardly and over the other end of said tank for receiving the sinking root crops from said guide and carrying said root crops out of said liquid and over said second end of said tank, a substantially flat and perforate guide above the tank extended into said liquid near the surface thereof, an endless conveyor having longitudinally spaced transversely extending claws above said guide to skim the floating root crops onto said second guide and push said floating root crops on said second guide and to above said tank, means to receive and carry away the graded floating root crops from said second guide, means to drive said conveyor and said mechanism, and a rotating agitating mechanism aligned with the lower end of said first inclined guide and being between the lower ends of said conveyor and said skimming mechanism for agitating said liquid and for freeing floating root crops from the sinking root crops.

2,426,399
SASH LOCK
Joseph Lipani, Brooklyn, N. Y., assignor of one-half to Vincent Casella, Brooklyn, N. Y.
Application April 30, 1945, Serial No. 590,990
6 Claims. (Cl. 292—54)



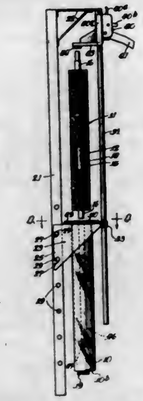
1. A lock of the character described for securing a plurality of structural parts, of which at least one is movably mounted relative to the other thereof; said lock comprising an elongated member rigidly fixed on one of said parts, and a member on the other of said parts cooperating with said elongated member, said cooperating member including a base fixed on the other of said parts, a pair of clamping jaws adjustably mounted on said base and adapted to be moved into and out of engagement with said elongated member.

2,426,400
BALANCING PROPELLER BLADES
Glen T. Lampton, Hartford, Conn., and Don R. Woolf, Toledo, Ohio, assignors to Avco Manufacturing Corporation, a corporation of Delaware
Application November 5, 1942, Serial No. 464,674
9 Claims. (Cl. 170—159)



2. A propeller blade, provided in its shank with a cylindrical bore which is concentric with the axis of the shank, comprising: an element provided with an annulus rotatively fitting in and adapted to be permanently secured in the bore and with a mass of fixed weight having its center of gravity on a fixed radius from the axis; and a second element rotatably fitting and adapted to be permanently secured in said ring and provided with a mass of fixed weight having its center of gravity on a fixed radius from the axis said elements being adapted to be rotatively positioned in the bore, for compensating for unbalanced loads of different magnitudes located in different positions of the blade to balance the blade around its longitudinal axis and, when secured in the bore, to balance the blade around its longitudinal axis.

2,426,401
APPARATUS FOR APPLYING A TUBULAR FABRIC COVER TO ROLLS
Norman A. Mack, Riverside, Ill., assignor to Roberts & Porter, Inc., Chicago, Ill., a corporation of Illinois
Application August 18, 1945, Serial No. 611,339
8 Claims. (Cl. 101—1)

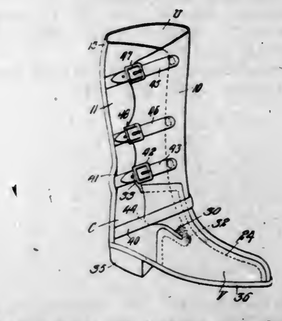


1. Apparatus for mechanically jacketing a roller of a lithograph printing machine with a tubular sleeve of absorbent fabric, comprising a hollow mandrel dimensioned internally for snugly receiving telescopically a roller to be jacketed, and dimensioned externally for a snug fit thereon of the major portion of the length of a tubular sleeve of absorbent fabric, means for supporting the mandrel, and means for forcibly moving the roller through the mandrel and stripping the sleeve off the mandrel and simultaneously causing the sleeve to embrace and surround the roller.

2,426,402
CAST POLYMERIZATION OF MIXTURES OF DIALLYL PHTHALATE AND AN ACRYLIC ESTER
John K. Magrane, Highland Park, Amos Raymond Esterly, Metuchen, and Richard E. Davies, Plainfield, N. J., assignors to Catalin Corporation of America, a corporation of Delaware
No Drawing. Application April 8, 1944, Serial No. 530,230
2 Claims. (Cl. 18—58)

1. In cast polymerizing plastic compositions to hard condition without crazing, the method which comprises forming an intimate mixture of diallyl phthalate, an acrylic ester that is heat polymerizable to solid condition in the proportion of 5 to 25 parts for 100 of said ester and phthalate, an organic peroxide polymerization promoter and a parting composition, casting the mixture into a mold, warming the casting to a temperature between 55° and 70° C., continuing the warming within this temperature range until the mixture is polymerized through the soft gel stage, and then raising the temperature and completing the polymerization of the entire mass, at a temperature of about 70° to 80° C., to a plastic that is hard when cooled to room temperature, the said parting composition including a lower polyhydric alcohol that contains no ether group and that is insoluble in the said mixture and in addition an ether-alcohol that is soluble in the said mixture as first made and is a solvent for the polyhydric alcohol, the ether-alcohol serving as an agent causing solution of the polyhydric alcohol in the said mixture.

2,426,403
FOOTWEAR
Peter H. Margulis, New York, N. Y.
Application January 24, 1945, Serial No. 574,253
6 Claims. (Cl. 36—50)

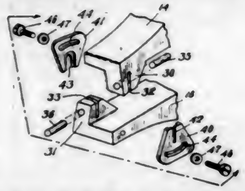


3. An article of footwear including an upper adapted to enclose the instep and at least a portion of the ankle of the wearer, said upper including a flap extending from the instep covering portion of the article to its top and adapted to overlie the other side of the upper, the edge of the flap being undulated to provide spaced projections, the lower end of the flap and adjacent portion of the article being separated from each other by a relatively narrow elongated notch below the lowest projection and extending forwardly and downwardly, one wall of the notch being anchored and the other wall of the notch constituting the free edge of the flap and movable relative to the anchored wall of the notch, and means including a strap to anchor the flap extending across the projection of the flap adjacent said notch.

2,426,404
TOOL FOR RAISING OVERCOILS ON HAIRSPRINGS
Carl Martenson, Waltham, Mass.
Application March 6, 1945, Serial No. 581,215
4 Claims. (Cl. 81—6)

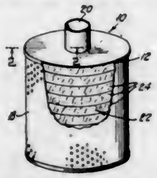
1. An overcoil raising tool for hair springs comprising a pair of opposed dies of substantial width connected to each other for relative movement from relatively remote loading positions to overlapping closely adjacent side by side working positions, said dies presenting transverse slots for accommodating a convolution of a hair spring edgewise, said slots being of such depth as to over-

lap in alignment when said dies are brought to working position, the depth of each slot at a point spaced inwardly from its end adjacent the other die being less than the depth at said end, and slotted guides connected to the dies and movable therewith, the guide connected to one die being



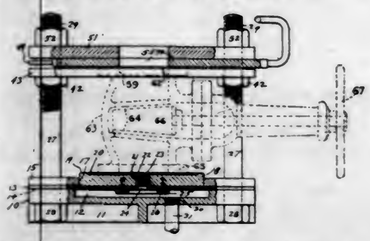
adjacent to and laterally spaced from the outer side of the other die, with its slot adjacent to the slot in the other die, the slots of said guides extending in the same general direction, and said guides being adapted to accommodate edgewise and to guide portions of a hair spring being acted upon by said dies.

2,426,405
FILTER ELEMENT
Paul F. McDermott, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 4, 1943, Serial No. 501,221
8 Claims. (Cl. 183—47)



1. A filtering element for the removal of particulate matter from gases, said element comprising a plurality of superposed layers, each comprising a resilient mineral wool felt with the fibers thereof arranged predominantly in planes parallel to the contiguous faces of said layers and maintained in felted relationship by a set binder, and means acting transversely to the faces of said layers, maintaining said superposed layers under compression.

2,426,406
HYDRAULIC VALVE TESTER
Cornelius W. Meyers, Portland, Oreg.
Application October 10, 1944, Serial No. 558,038
2 Claims. (Cl. 73—37)

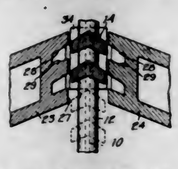


1. A hydraulic press of the class described characterized by having a pressure actuated piston at one end thereof and a backing plate at the opposite end thereof, said backing plate having an enlarged opening therein in axial alignment with said piston, a slidable plate also having an opening therein, which opening may be selectively moved into or out of register with the opening in said backing plate, said sliding plate and said piston having gaskets on their adjacent faces between which a valve may be held, and said piston having an opening therethrough communicating with the interior of its cylinder whereby the piston actuating fluid may pass into a valve when mounted on said piston, and owing to the difference in diameters of the piston opening and the effective area of the piston.

2,426,407
LOW VISCOSITY CHANGE FLUID
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application September 6, 1945, Serial No. 614,824
2 Claims. (Cl. 252—78)

1. A fluid consisting essentially of a liquid solution of bromobenzene and pseudo cumene in such proportions as to have a viscosity at −40° F. of about 3.68 and at 100° F. of about 1.20.

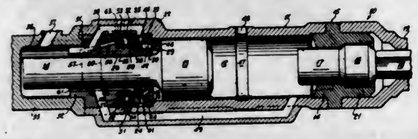
2,426,408
METHOD OF FORMING UNDERCUT DIE CASTINGS
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, New York, N. Y.
Application July 22, 1944, Serial No. 546,180
1 Claim. (Cl. 18—55)



The method of forming die cast scoops of separable fastener stringers having undercuts on one surface thereof, which comprises injecting casting material into a cavity of a pair of dies in forming a scoop in said cavity having diverging walls defining an undercut recess extending throughout the full length of one surface of said scoop and the other surface of said scoop having walls converging with respect to the first named walls to side edges of the scoop, then separating the dies by movement of each die in a direction paralleling the walls on at least one surface of the scoop, supporting the cast scoop intermediate the dies in the separation of said dies, and moving one die in advance of the other die in initial separation of the dies in ejecting the casting from the dies.

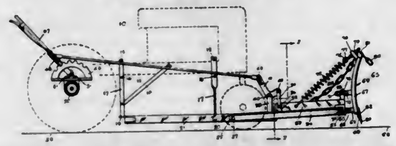
2,426,409
DISTRIBUTING VALVE FOR PERCUSSIVE TOOLS
Matthew O'Farrell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application March 31, 1944, Serial No. 528,852
3 Claims. (Cl. 121—18)

1. A pneumatic percussive tool comprising a cylinder providing a piston chamber, a valve block mounted in said cylinder rearwardly of the piston chamber, a fluid pressure supply chamber rearwardly of the valve block, a hammer piston having a head reciprocable in the piston chamber and having a shank guided within the valve block, the rear face of the shank being in constant communication with the supply chamber to urge the piston forwardly, passages through the valve block in communication between the supply chamber and the front and rear portions of the piston chamber for reciprocating the piston, the front cylinder passage being opened and closed by the piston shank, a distributing valve in said valve block arranged to open and close the rear cylinder passage when in rear and forward positions respectively, said valve comprising a sleeve-like body provided with a front face in communication with the rear cylinder chamber to trip the valve rearwardly upon the exposure



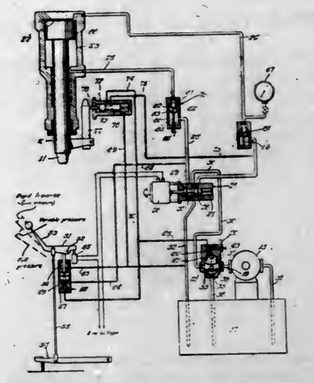
thereof to fluid compressed to a predetermined degree of pressure in the piston chamber, a flange whose rear face communicates with the supply chamber through a passage adapted to be covered and uncovered by the rear and forward movement of the piston respectively, and a shoulder in constant communication with the pressure supply chamber which is adapted, in conjunction with the pressure upon the flange from the supply chamber, to move the valve forwardly and which is adapted thereafter to maintain the valve in such forward position against accidental displacement until overcome by the pressure of the fluid compressed in the rear pressure chamber.

2,426,410
FARM LAND BULLDOZER, SNOWPLOW, AND ROAD MAINTAINER
Benjamin F. Owen, Omaha, Nebr.
Application May 10, 1945, Serial No. 593,059
2 Claims. (Cl. 37—42)



1. In a machine for the purpose described; the combination of a semi-circular yoke having oppositely disposed parallel portions and a bar disposed between said portions; means for attaching the ends of said portions pivotally to the frame of a tractor for vertical swinging movements of the yoke forwardly of the tractor; means for swinging the yoke; means for preventing swinging movements of the yoke; a platform-bar mounted on said yoke, radially disposed arms having ends secured respectively to the ends of said platform, the other ends of said radial-arms being joined together; a king-pin disposed through the joined ends of said radial-arms and the medial portion of said yoke-bar to permit horizontal sliding movements of the platform on the yoke through approximately seventy degrees of a circle; means for locking said yoke and platform together; a mold-board having a pivotal connection with each end of the platform adjacent the lower longitudinal edge of the mold-board to permit vertical swinging movements of said mold-board with respect to said platform; spaced apart standards secured to said platform; arms secured to the mold-board having ends respectively disposed against the inner sides of said standards, said ends of the arms each being provided with an elongated aperture; pins disposed through said apertures and said standards for limiting swinging movements of the mold-board in one direction; resilient means for urging the mold-board to swing in the said one direction, and means including a chain for limiting a swinging movement of the mold-board in a direction opposite to the said one direction.

2,426,411
PRESSURE CONTROL FOR HYDRAULIC PRESSES
Victor W. Peterson and Otto J. Maha, Chicago, Ill., assignors to Hannifin Corporation, a corporation of Illinois
Application September 8, 1941, Serial No. 409,984
7 Claims. (Cl. 60—52)

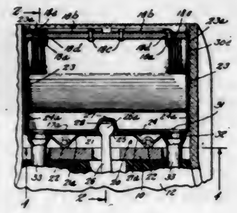


1. A press of the character described comprising in combination a double acting press cylinder and plunger therefor, a pump for supplying pressure fluid to said cylinder to advance the plunger on its work stroke, a valve for alternately connecting said pump to an end of the said cylinder and connecting the other end to discharge, pressure regulating means for adjustably limiting the pump pressure and including a device under the control of the operator whereby the force delivered by said plunger on the forward stroke may be sensitively limited and controlled by the operator during the operation of said plunger, and means for rendering said pressure regulating means ineffective on the return travel of said plunger to deliver full pump pressure to said cylinder on said return travel and for restoring the operation of said regulating means at the end of said return travel.

2,426,412
ELECTRIC SHAVING DEVICE WITH HAIR COLLECTING MEANS
David Pinkas, Norwalk, Conn.
Original application October 31, 1944, Serial No. 561,199. Divided and this application March 27, 1945, Serial No. 585,044
7 Claims. (Cl. 30—41)

1. An electric shaver having a casing; a reciprocating cutter assembly mounted on the casing, shaped to enclose a space in which cut hair is deposited; a removable container on the casing;

and a connection between the container and the cutter assembly whereby cut hair particles may be transferred from the inside of the cutter to the



container and stored in the latter, the agitation of said reciprocating cutter causing said cut hair particles to move to said connection.

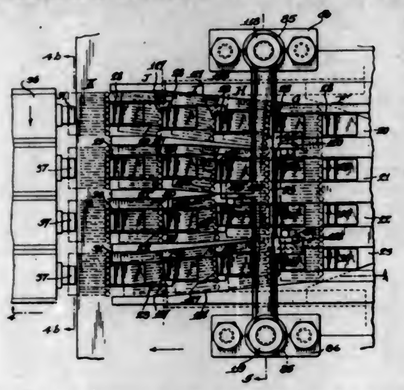
2,426,413
MANUFACTURE OF INSULATED ELECTRIC CONDUCTORS
William Francis Ogilvie Pollett, Gravesend, England, assignor to W. T. Henley's Telegraph Works Company Limited, Dorking, England, a British company
Application July 6, 1944, Serial No. 543,720
In Great Britain July 7, 1943
3 Claims. (Cl. 154—2.28)



1. A method of manufacture of an insulated electric conductor, comprising applying to a conductor a covering of polyvinyl compound selected from the group consisting of polyvinyl chloride and the copolymers of vinyl chloride and vinyl acetate containing up to 15% of the acetate, together with a plasticizer, wetting the surface of this covering with a paste consisting of a substantially ungelled dispersion of powdered polyvinyl chloride in a non-volatile plasticising liquid, applying a textile covering to the wetted surface and then heating the covered conductor to a temperature above the gelling point of the paste, thereby bonding the textile material to the polyvinyl compound.

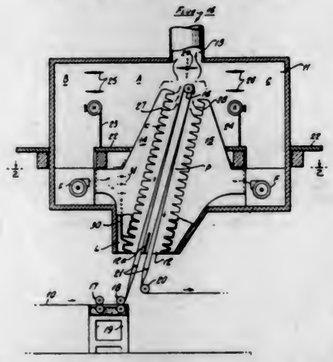
2,426,414
CONVEYOR FOR HANDLING MATCH COMBS
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 1, 1943, Serial No. 493,118
2 Claims. (Cl. 144—51)

1. In a match comb handling system, means for conveying, cutting and spacing the match combs to divide them into laterally spaced match comb sections, a chain conveyor movable laterally of the matches in the sections and generally parallel to the flat backs of the sections having a plurality of successive chain conveyor links operating in a group, clip holders for match comb sections carried by the successive links of the group, said conveyor means pressing match comb sections into the successive clip holders, and chain conveyor operating means timed to advance the chain conveyor one group of links corresponding in number of links to the number of spaced



match comb sections, for each step-by-step movement of the conveying means.

2,426,415
WARP DRIER WITH AIR RECIRCULATING MEANS
Paul R. Rose, East Orange, N. J.
Application February 20, 1945, Serial No. 578,845
5 Claims. (Cl. 34—154)



1. Apparatus of the kind described which comprises a chamber communicating at the top with an exhaust flue and having a bottom port to admit a length of material to be dried, air distributing headers extending from opposite sides of said bottom port upwardly through said chamber in the general direction of said exhaust flue each comprising a number of transversely extending elongated air ports spaced apart and thus forming laterally extending air chambers, the ports of each header opening toward the other header, means for supporting a length of material for travel through the channel defined by said headers, partition members within said chamber dividing the chamber into a central portion containing said headers and opposite side portions communicating with the central portion above the upper ends of said headers respectively, means for admitting air into said central portion exteriorly of said channel, means for controlling the volume of air admitted to said side portions respectively from said central portion, air heating means in said side portions respectively, and means in said side portions respectively for forcibly supplying air from said side portions into said headers respectively and through the ports of said headers into the vertically extending channel defined by said headers.

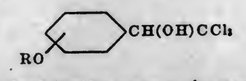
2,426,416
ELECTROPLATING NICKEL
Ernest W. Schweikher, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1941, Serial No. 397,383
6 Claims. (Cl. 204—49)

1. An aqueous nickel plating bath comprising:

	Grams per liter
Nickel chloride	225 to 275
Nickel sulfate	15 to 60
Boric acid	45 to 60
Metasulfobenzaldehyde	4 to 10

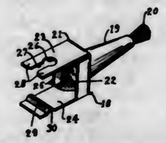
2,426,417
ESTERS OF HYDROXYPHENYL TRICHLOROMETHYL CARBINOLS
Norman E. Searle, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1946, Serial No. 650,377
9 Claims. (Cl. 167—30)

1. An insecticidal composition containing as an essential active ingredient in admixture with an insecticidal adjuvant a compound represented by the formula



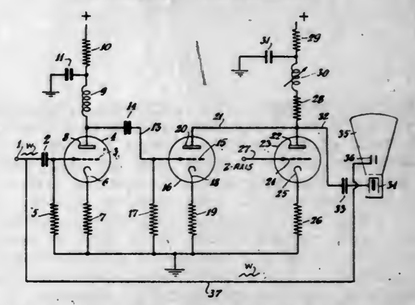
where R, linked to the oxygen by carbon, represents a monovalent organic radical in which the sum of the atomic weights is less than 200.

2,426,418
DETACHABLE BRUSH FERRULE FOR LIPSTICK CARRIER CUPS
Donald A. Seaver, West Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 30, 1945, Serial No. 602,597
7 Claims. (Cl. 15—176)



1. In a brush ferrule construction for insertion into a carrier cup of the conventional form for a lipstick container and wherein the carrier cup is of rectangular shape having a pin projecting in from one wall thereof and having a nub projecting in from the opposite wall thereof, said ferrule comprising a sheet-metal U-shaped stamping and an attached tubular member, said stamping providing for a rectangular base having opposed legs and wings folded inwardly from the opposite edge of said base to form collectively a box-like structure that is adapted to be telescoped into said carrier cup in an inverted manner for completely filling and closing off the open end of said carrier cup, the legs being of greater length than said wings and adapted to extend to the base of said carrier cup, one of said legs provided with an axial key-hole slot opening through the end thereof and adapted to have detachable snap locking engagement with said pin, the material of said leg having the key-hole slot adapted to spring laterally relative to said slot independently of other portions of said ferrule, and the other of said legs provided with an inwardly formed transverse cross-rib for detachable engagement with the nub of said carrier cup.

2,426,419
RETURN TRACE BLANKING AND MIXING
Morris Spector, Jersey City, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 23, 1942, Serial No. 469,903
3 Claims. (Cl. 315—22)



1. In a device for blanking the beam of a cathode-ray tube having beam deflecting means, means for blanking said beam during return intervals of said beam, said means comprising in combination a vacuum tube having a source of positive current connected through an inductance coil to its plate, an amplifier for the output of said tube, a vacuum tube in parallel with said amplifier having resistance and an inductance coil in series in its plate circuit.

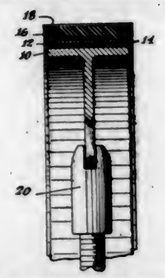
2,426,420
PROCESS FOR PRODUCING AMMONIUM SULFAMATE
Ernest J. Tauch, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 19, 1945, Serial No. 606,034
6 Claims. (Cl. 23—114)

1. In a process for producing ammonium sulfamate the step comprising slowly mixing nongaseous sulfur trioxide with an amount of liquid ammonia substantially in excess of that theoretically required for the reaction while agitating rapidly at the point of mixing, the velocity of agitation being great enough that no substantial gaseous sulfur trioxide phase is formed.

2,426,421
FRICTION ELEMENT ASSEMBLY
Sydney G. Tilden, Stewart Manor, Foster Dee Snell, New York, and Jacob M. Fain, Belle Harbor, N. Y., assignors to Foster D. Snell Inc., Brooklyn, N. Y., a corporation of New York
Application May 2, 1942, Serial No. 441,508
3 Claims. (Cl. 154—46)

1. A binder for holding a friction-compound-containing brake lining to a brake shoe, the

binder being a continuous resinous sheet including a thermosetting resinous condensation product that after setting is slightly and resiliently yieldable, a surface tension lowering agent, a plasticizer for the resinous condensation product distributed throughout the said product, and a thin fabricated non-resinous sheet disposed completely within the resinous sheet and between the face and back thereof and serving as a skeletonizing agent for the resinous sheet, the mate-



rial of the resinous sheet extending completely through the skeletonizing agent, so that the face and back of the resinous sheet are integrally united, the surface tension lowering agent being an organic compound that is surface active, is soluble in the resinous condensation product and also in the said friction compound, and contains a non-polar group including at least 8 carbon atoms and the proportion of the plasticizer being approximately 15–70 parts for 100 parts of plasticizer and resinous condensation product.

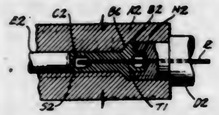
2,426,422

METHOD OF MAKING EXPANDABLE RIVETS

Carel T. Torresen, Santa Monica, Calif.

Application February 15, 1945, Serial No. 578,072

13 Claims. (Cl. 10—27)



1. The method of making an expandable rivet including the insertion of a cylindrical metal billet within an orificed die block, the positioning of a shank length determining plunger with respect to said block, the insertion of a pressure die having an orifice-forming tongue portion within said die block, the deformation of said billet into head and shank portions pierced by a central cavity, the insertion of a mandrel rod of less diameter than said tongue portion within said cavity and the extrusion of the billet material from said head portion around a portion of said mandrel rod into said shank portion, the withdrawal of said mandrel rod from said rivet blank and the ejection of said blank from said die block.

2,426,423

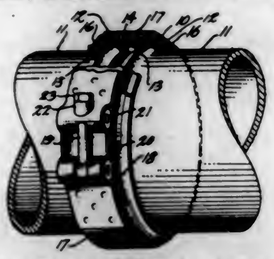
HYDRAULIC COUPLING

Theodore A. Woolsey, Pasadena, Calif., assignor to Marman Products Company, Inc., Inglewood, Calif.

Application February 21, 1945, Serial No. 579,094

17 Claims. (Cl. 285—129)

1. A coupling device adapted to connect together the adjoining ends of two conduits comprising: an annular member of resilient compressible material to be mounted on the adjoining ends of the said conduits; rigid arcuate members to be placed on opposite sides of said member for partially circumscribing and confining said member; a flexible member encircling said



members and attached thereto at spaced points; and means for contracting said flexible member about said means whereby said means are drawn together to encompass the material of said annular member and compress the same.

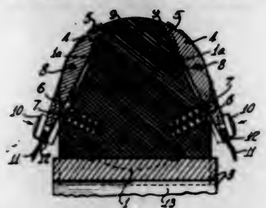
2,426,424

METER MOUNTING DEVICE

Lloyd L. Young, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 30, 1942, Serial No. 452,839

4 Claims. (Cl. 173—328)



1. A meter mounting and connection device comprising an insulating support member having two terminal apertures therein adapted to receive the terminals of the meter, a pair of movable metallic blades each one being pivoted and positioned in a lateral slot located on each side of said insulating support member, which slot extends inward to meet the terminal apertures, spring pressure means retained in an aperture located in each one of the slots to apply pressure on each movable metallic blade, whereby the meter terminals are retained and an electrical connection made thereto by said metallic blades.

2,426,425

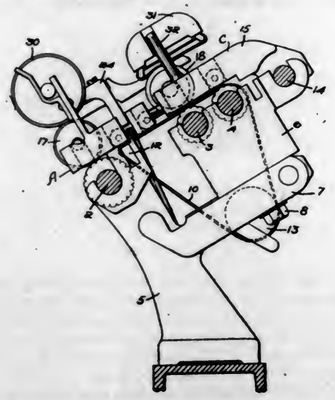
LONG STAPLE DRAFTING MECHANISM

Benjamin J. Zalkind, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application August 8, 1944, Serial No. 548,535

6 Claims. (Cl. 19—131)

1. In a drafting mechanism for spinning frames, the combination with driven front, middle and back lower rolls, a bar between said front and middle rolls, roll stands supporting said rolls in definite spaced relationship to each other, an apron having an upper reach supported by said bar and by said middle and back rolls, said upper reach being substantially straight, said apron being driven by both of the latter rolls, a front top roll running in contact with said front bottom roll, a rear weighted top roll running in contact with said apron, cap bars supporting said top rolls in their operative positions, said cap bars being provided with shoulders in spaced fixed relation to each other for supporting said rear top roll directly over either the middle or rear bottom roll, as desired, to accommodate different



lengths of staple, said upper rear roll when positioned above said lower rear roll serving to drive the apron and feed the staple and means for weighting said top rolls, said means including means for weighting the rear top roll in both of its operative positions.

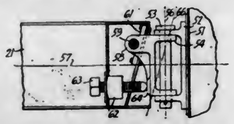
2,426,426

PUSH PLATE MOUNTING FOR EARTH MOVERS

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

Original application February 16, 1942, Serial No. 431,033. Divided and this application May 23, 1944, Serial No. 537,001

5 Claims. (Cl. 37—144)



2. An earth mover for attachment to a tractor comprising a planar push frame including a front cross member, means for articulating said push frame on said tractor for swinging about a transverse axis, a blade disposed in front of said push frame, a pin connecting said blade and said front cross member of said push frame, said pin being normally disposed with its axis perpendicular to the plane of said push frame, and means mounted on said cross member for variably inclining the axis of said pin with respect to the plane of said push frame and to a transverse plane perpendicular to said push frame.

2,426,427

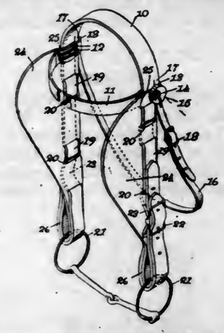
BRIDLE

Walter A. Bass, Brundidge, Ala.

Application November 13, 1945, Serial No. 628,087

5 Claims. (Cl. 54—6)

1. A bridle comprising a head strap, cheek straps extending from said head strap, blinders having strap openings through which the cheek straps are threaded, bit ring engaging ends on said blinders, and a buckle mounted on each



cheek strap to receive and hold the cheek strap and blinder strap bit ring engaging ends.

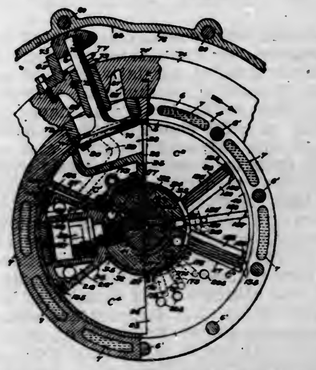
2,426,428

ROTARY CYLINDER ENGINE, OPPOSED SLIDING ABUTMENTS

Frank H. Beall, Detroit, Mich.

Application December 6, 1943, Serial No. 513,142

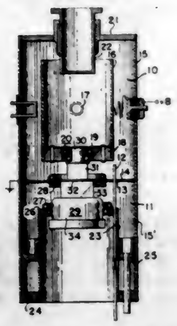
17 Claims. (Cl. 123—43)



7. A high speed internal combustion engine comprising a cylinder having a plurality of internal radial abutments, an independent rotor within said cylinder, a plurality of cooperating pistons thereon alternating with said abutments and forming combustion spaces at each side of each abutment, drive means between said cylinder and said rotor for rotating the latter at a constantly varying speed relative to the former in a rotary-oscillatory movement of said rotor, means for admitting an explosive mixture to each of said combustion spaces, means for igniting said mixture, and means for exhausting the burned gases, said pistons being so shaped and said oscillating means being so proportioned that said pistons approach said abutments within only a small clearance, offset combustion chambers, one for each combustion space and so proportioned with said combustion space that when the piston approaches an abutment on the compression stroke, a desired high compression ratio is obtained, an intake port in each of said combustion chambers, said port and said combustion chamber forming the intake passage to said combustion space, said port having a passage area less than said combustion chamber passage, and said intake port having a passage area corresponding in size to a substantial portion of the

cross sectional area of its respective combustion space when oscillated to its maximum volume, thereby permitting the free flow of the explosive mixture necessary for high operating speeds.

2,426,429
ELECTRICAL CONNECTOR
Basil A. Bels, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application January 6, 1945, Serial No. 571,610
11 Claims. (Cl. 173—324)

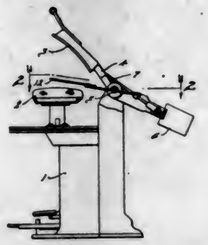


1. An electrical connector adapted to engage an approximately cylindrical conductive contact member comprising, a relatively rigid cylindrical element of conductive material and a plurality of conductive resilient contact fingers positioned internally of said element but resiliently connected at one extremity thereto and extending inwardly from said element radially with respect to the axis of said element, each of said fingers having two relatively rigid linear portions connected at one end by a resilient portion to provide for said each finger a V-shaped cross-sectional configuration at its intersection with a plane which includes said axis, the radial dimensions of said element being so selected with relation to the diameter of said contact member that the innermost linear portions of said contact fingers are adapted to make consistent and substantially uniform electrical and thermal contact with said contact member along a substantial portion of their lengths while at the same time said contact fingers permit relative departures from coincidence of the axes of said element and said contact member and minimize the force required to effect complete engagement of said contact member with said connector.

2,426,430
MANUFACTURE OF SPONGE RUBBER
William Binns, Harrogate, England
No Drawing. Application May 7, 1945, Serial No. 592,517. In Great Britain January 8, 1944
5 Claims. (Cl. 260—723)

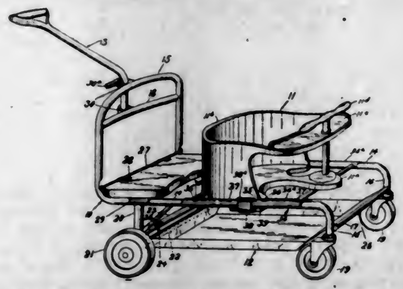
1. Process for the manufacture of sponge rubber from compounded and foamed latex, characterized by introducing into the latex, prior to whisking to a foam, a preparation comprising a fine dispersion of solid particles of stearic acid in an aqueous soap thereof, the amount of stearic acid in the free state and combined in the soap being such that the mass contains between about 3% and 4% by weight of stearic acid calculated on the dry rubber content of the mass, and subsequently heating the foamed mass to a temperature at least as high as 80° C.

2,426,431
PRESSING MACHINE ATTACHMENT
Samuel Blumenfeld, Detroit, Mich., assignor to Clothing Devices, Inc., Detroit, Mich., a corporation of Michigan
Application September 1, 1945, Serial No. 614,029
5 Claims. (Cl. 223—39)



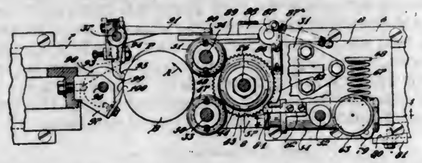
1. A removable trouser cuff pressing attachment for the type of pressing machine which includes a stationary buck and a head structure pivoted to the buck on an axis located rearwardly of the buck, said attachment including a portion adapted to enter a trouser cuff and hold it in flat extended position adjacent the top surface of the buck and having an attaching portion extending rearwardly and adapted at one point to engage the upper surface of a portion of the head structure and at a more rearwardly located point being adapted to engage the under surface of a portion of the head structure to provide a cantilever support for the attachment which will hold the cuff engaging portion above the top surface of the buck, when the press is open.

2,426,432
CHILD'S VEHICLE
Gary C. Breckner, Beverly Hills, and Elliott F. Robinson, Long Beach, Calif.
Application May 7, 1945, Serial No. 592,316
4 Claims. (Cl. 280—7.10)



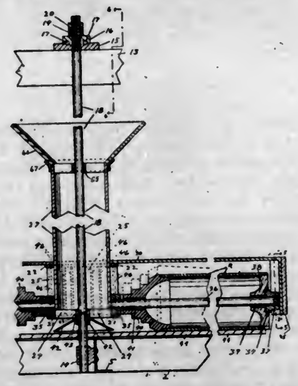
1. A child's vehicle which comprises, in combination, a chassis including a pair of elevated, longitudinal side members; a pair of caster wheels supporting the front of said chassis; a pair of wheels supporting the rear of said chassis; a straddle seat removably supported upon said side members, said seat being positioned at such a height above the surface supporting vehicle that a child straddling the seat may have his feet reach said surface comfortably; means for removably locking said seat to said side members in a forward position and in a rearward position; a propulsive handle removably affixed to said vehicle; and a floor-pan removably supported by said vehicle beneath said seat upon which a child straddling the seat may rest his feet when the pan is in supported position.

2,426,433
ARTICLE ORIENTING MECHANISM
Sidney T. Carter, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application May 2, 1945, Serial No. 591,617
16 Claims. (Cl. 198—33)



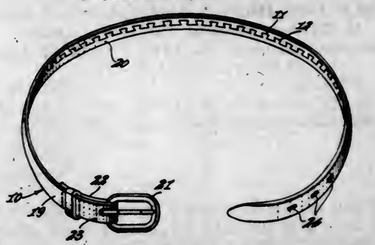
14. Article-orienting apparatus having in combination means for conveying successive articles each having a projecting element, means, including a slip clutch comprising a driving and a driven member, for rotating the articles at a normally high angular velocity, a detector engageable by the projecting element as the article rotates, speed reducing means, including a dash-pot device, for reducing the velocity of the driven element of the clutch to a predetermined lower velocity, and connections for transmitting motion from the detector to said speed reducing means, and a stop engageable with the projecting element while the article is rotating at a velocity below its normal velocity.

2,426,434
CHASING MILL WITH STATIONARY TABLE AND RADIALLY ARRANGED ROLLER
William B. Chapman, Colorado Springs, Colo.
Application May 29, 1945, Serial No. 596,551
10 Claims. (Cl. 241—109)



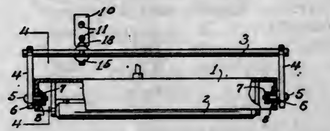
1. A mill comprising a frame structure; a bearing mounted in the lower portion of said frame structure; a bearing mounted in the upper portion of said frame structure; a vertical shaft mounted in said bearings; a horizontally disposed guide structure provided with vertical guideways and mounted on said vertical shaft; a block provided with a bearing and disposed in each guideway so as to move vertically therein; a series of horizontally disposed arms mounted on said guide structure and extending outward therefrom; a vertically disposed lug depending from the outer end portion of each horizontal arm; a block pivotally mounted in each depending lug; a horizontally disposed shaft having one end connected to the last named block and the other end slidably disposed in the first named block; a roller rotatably mounted on each horizontal shaft; a horizontally disposed grinding table mounted in the lower portion of said frame structure below said rollers and adapted to cooperate therewith; and a horizontally disposed driving band mounted on the outer ends of said horizontally disposed arms.

2,426,435
BELT
Joseph Chianese, New York, N. Y., assignor to S. Froehlich Co., Inc., New York, N. Y., a corporation of New York
Application October 9, 1945, Serial No. 621,196
5 Claims. (Cl. 2—338)



1. In a belt, opposite longitudinally extending plies constructed from a strip of material having opposite longitudinal edge portions formed with longitudinally spaced dove-tailed notches and projections, said strip having one face thereof skived to provide longitudinally extending recesses defined by inwardly declining longitudinally extending face portions merging along the inner edges thereof respectively with outwardly declining longitudinally extending face portions, said strip being folded inwardly along said merging lines of said face portions to provide said opposite plies with the dove-tailed notches and projections along one edge thereof interfitted with the dove-tailed notches and projections in the opposite edge portion thereof.

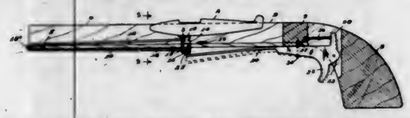
2,426,436
FLUORESCENT LAMP FIXTURE
David L. Cochener, Kansas City, Mo.
Application November 23, 1945, Serial No. 630,330
2 Claims. (Cl. 240—73)



1. In a fluorescent lamp fixture, in combination, a channel shaped fluorescent lamp casing having closed ends, a U-shaped member having between its arms a longitudinal straight intermediate portion, means pivotally supporting on a longitudinal axis the ends of said casing to and between said arms, a supporting member having means at its rear end adapted for attachment to a support and having a horizontal forwardly extending cylindrical portion having spaced from its front end a peripheral abutment with a forwardly extending arcuate lip, and a revoluble oscillative member having a rear end tubular portion circumferentially revoluble on said cylindrical portion and having projecting rearwardly an arcuate stop lip in the transverse vertical plane of said abutment lip opposite edges of which it is adapted to strike when said revoluble member

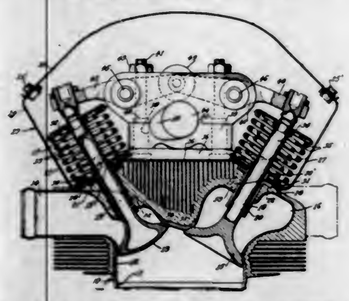
is oscillated, said revoluble member having forward of said cylindrical portion a transverse opening through which extends and is longitudinally adjustable said intermediate portion of said U-shaped member, said revoluble member having releasable means for rigidly fastening said intermediate portion in its adjusted longitudinal position, whereby said U-shaped member with said casing supported thereby may be oscillatively circumferentially swung with said revoluble member on said cylindrical portion as an axis to different angular positions.

2,426,437
TOY
Harold E. Cole, Hugh O. McAlinden, and Richard B. Banks, Toronto, Ontario, Canada
Application January 22, 1945, Serial No. 573,847
1 Claim. (Cl. 46—81)



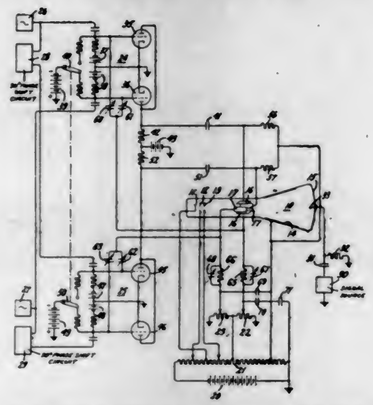
In a toy of the character described, the combination in a gun including a barrel open along its top side and having a longitudinal slot in its bottom closed at the forward end of said barrel, of an expeller slidable in said slot in the bottom of said barrel and having a part located within said barrel and a part located below said barrel, that part of said expeller located below said barrel having an opening in its lower end extending at right angles to the longitudinal axis of the barrel and an inclined guide slot leading from said opening through the rear wall, a trigger having an upwardly turned finger spring-held towards said barrel adapted on the rearward movement of said expeller to enter said opening in the expeller through said guide slot, and elastic means extending from the forward end of said barrel rearwardly above and below the bottom of said barrel and connected to the respective ends of the expeller and adapted to be stretched on the rearward movement of the expeller.

2,426,438
ENGINE CYLINDER CONSTRUCTION
Chester C. DePew, Farmingdale, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Application March 1, 1944, Serial No. 524,645
2 Claims. (Cl. 123—90)



1. In an internal combustion engine having valve stems projecting from its cylinder heads and spring means for closing said valves mounted on said valve stems and having their outer ends engaging spring retainers at the outer ends of said valve stems; the combination of a sheet metal box having sides, ends, bottom and top, said bottom being adapted to engage said cylinder heads and having spaced-apart pairs of openings for receiving said valve stems, reinforcing elements secured to the bottom of, and within said box and extending between and terminating closely adjacent to said pairs of openings, cam shaft bearings and rocker arm supports mounted on and supported solely by said reinforcing elements, said box being retained in engagement with said cylinder head solely by engagement of the inner ends of said spring means with the bottom of said box adjacent to said openings.

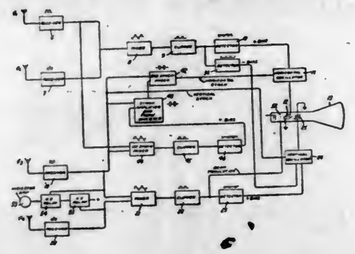
2,426,439
SIGNAL PORTRAYING APPARATUS
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 8, 1943, Serial No. 505,555
11 Claims. (Cl. 315—24)



1. A cathode ray signal portraying apparatus comprising a cathode ray tube having a pair of cathode ray beam deflecting plates, two separate continuously operative deflection wave sources connected to energize said plates, means for rendering the connections between said plates and said sources selectively operative alternately to effect full energization of said plates from said sources alternately whereby leakage current tends to pass through the inoperative connection, and means for neutralizing the effect of leakage from said sources through said connections to said plates whereby interference with the wave from the selected source due to leakage through the inoperative connection is prevented.

2,426,440
AIRCRAFT LANDING SYSTEM
John W. Downie, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 19, 1943, Serial No. 495,295
17 Claims. (Cl. 250—11)

1. In an aircraft landing system, a pair of beacons spaced apart along the length of the runway and modulated with periodic signals having a period equal to twice the time of travel of a radio wave through the distance said beacons are spaced apart whereby the signals arriving at an aircraft are unchanged in relative phase at a point in a median plane perpendicular to the plane of the beacons and at other points are changed in relative phase in accordance with the distances from the aircraft to the respective beacons, means tending to produce an indication of the change in relative phase of the signals from said beacons, a pair of beacons centered on opposite sides of the runway in a plane perpendicular to the plane of said first beacon and modulated with signals of said frequency whereby the



signals from said second beacons arrive at an aircraft in the plane of said first beacons unchanged in phase, and at points outside said plane are changed in relative phase, and means responsive to the changes in relative phase of signals arriving at an aircraft from said second beacons for decreasing said indication whereby said indication is proportional to the elevation angle between the runway and the aircraft.

2,426,441
MANUFACTURE OF ABRASIVE MATERIALS
Samuel Wilkinson Dronsfield, Wilmslow, England
Application December 7, 1944, Serial No. 567,119
In Great Britain January 1, 1944
1 Claim. (Cl. 51—185)



The method of making a flexible, substantially longitudinally grooved emery fillet capable of being wound around a cylindrical roller to provide a substantially unbroken circumferentially grooved area of abrasive material on the surface thereof which will serve for the grinding of card clothing, which consists in wrapping a narrow textile fabric around a cylinder to cover the surface thereof, applying to the exposed face of said fabric a first solution in volatile solvent of an alkyd resin plasticised urea formaldehyde resin capable of being cured at a temperature below 212° F., dusting coarse emery particles on the coating formed by said first solution, applying to said coating a second solution in volatile solvent of an alkyd resin plasticised urea formaldehyde resin capable of being cured at a temperature below 212° F. dusting further coarse emery particles on the combined coating of said first and second solutions, revolving the cylinder carrying said fabric with the coated surface of said fabric in contact with a ribbed roller to produce complementary grooving in the combined coating on said fabric, bringing the coated fabric into contact with warm air to remove all solvent and cure the resin and finally removing the coated fabric from said cylinder.

2,426,442
SEPARATION OF 2,4,6-COLLIDINE FROM NITROGEN BASE MIXTURES
Karl Henry Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 26, 1942, Serial No. 463,411
7 Claims. (Cl. 260—290)

1. A process for separating a product enriched in 2,4,6-collidine from a mixture containing this base and other like-boiling nitrogen bases, comprising precipitating 2,4,6-collidine from such mixture in a substantially anhydrous medium in the form of its hydrochloride, separating the precipitated hydrochloride and treating the separated compound to liberate 2,4,6-collidine

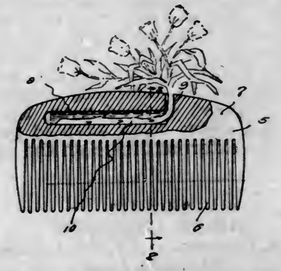
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2,426,443
SUPPORT AND BRACE THEREFOR
Oscar B. Fetterman, Washington, D. C.
Application January 17, 1945, Serial No. 573,184
2 Claims. (Cl. 47—47)



2. In a plant stake, a straight standard having a sharply pointed lower end extending into the ground, an arm extending upwardly and obliquely from the lower pointed end of the standard, a ground penetrating leg having a sharply pointed lower end extending downwardly from the upper end of said angular arm and disposed in parallel spaced relation to said standard, the juncture of the arm with the ground penetrating leg forming an impact-receiving head, the lower end of the penetrating leg extending below the lower extremity of the standard, and plant supporting means mounted on the standard.

2,426,444
COMB
Burchard J. Flageole, Chicago, Ill.
Application March 6, 1945, Serial No. 581,233
1 Claim. (Cl. 132—20)



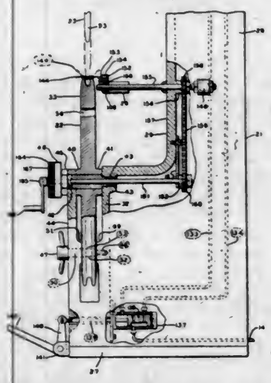
A comb having a chamber extending longitudinally therein and a restricted elongated opening communicating with one end of the chamber and extending outwardly through an edge of the

comb and adapted to receive water and also adapted to receive the stem of a flower for immersion in the water in the chamber, said comb being of resilient material and normally curved and said opening extending longitudinally of the comb whereby said opening is adapted to be enlarged upon a straightening of the comb by pressure of the fingers of a person exerted on the ends of the comb.

2,426,445
INSULATION FOR MAGNETIC STEEL AND THE LIKE
Wayne R. Frisch, Pittsfield, Mass., and Charles W. Crew, deceased, late of Dalton, Mass., by Ruth A. Crew, administratrix, Dalton, Mass.; said Wayne R. Frisch and Charles W. Crew assignors to General Electric Company, a corporation of New York
No Drawing. Original application July 7, 1943, Serial No. 493,760. Divided and this application September 29, 1944, Serial No. 556,492
4 Claims. (Cl. 117—127)

2. Magnetic sheetlike material having an insulating coating bonded thereto, said coating consisting of about 2 to 20% magnesium oxide with the remainder substantially all vermiculite.

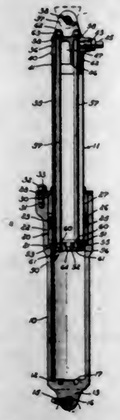
2,426,446
PRESS BRAKE
Rudolph Funk, Hagerstown, Md.
Application November 22, 1943, Serial No. 511,245
6 Claims. (Cl. 153—21)



1. A quick change press brake for use in forming material, comprising: a first die; a second die; first means to move said first die toward said second die, said means including a cylinder having a hollow neck and an externally flanged piston rod slidably disposed within said neck; and second adjustable means to limit movement of the first die toward the second die, said second means including an internally flanged sleeve threadedly engaged on said neck, the internal flange on said sleeve being adapted to act as a detent for the external flange on the piston rod.

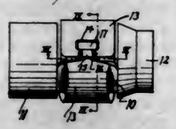
2,426,447
SHOCK ABSORBER
John N. Gladden and Giles A. Kendall, Glendale, Calif.
Application August 11, 1942, Serial No. 454,472
4 Claims. (Cl. 267—64)

1. A shock absorber of the character described, having: an outer cylinder closed at one end and open at the other end; a cylindrical slide bearing mounted in the open end of said outer cylinder, said bearing being of smaller inside diameter than said outer cylinder; an inner cylinder slidingly mounted in said bearing, said bearing being of sufficient length to guide said inner cylinder substantially coaxially of said outer cylinder, said two cylinders and bearing confining a body of fluid; an outer head in abutting engagement with the outer end of said inner cylinder; an inner head in two separable sections, one of said sec-



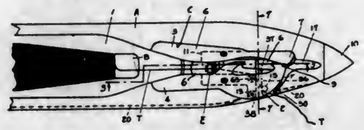
tions being in abutting engagement with the inner end of said inner cylinder; a ring confined between said two sections of the inner head for dash-pot action in cooperation with said outer cylinder, said ring loosely fitting in said outer cylinder to avoid wear and binding; and tie rods interconnecting said two heads in tension for the triple purpose of holding said two separable sections of the inner head together, of holding said outer and inner heads in place, and of transmitting dash-pot loads to said outer head when the shock absorber extends.

2,426,448
METALLIC CARTRIDGE BELT LINK
Fred Goldfisher, Chicago, Ill., assignor to United States Government, as represented by the Secretary of War
Application March 1, 1943, Serial No. 477,530
2 Claims. (Cl. 89—35)



2. In a cartridge belt link of the type described, a body portion, an interrupted loop on said body portion disposed normal thereto, said interrupted loop having two end portions, means to releasably connect said end portions, said means comprising a T-shaped tongue having an elongated bar and neck portions formed on one of said end portions of the loop, cooperating connecting means on the other of said end portions including a slot arranged to receive and conform to the bar of said tongue, the material of said loop between said slot and the end of said second end portion being outwardly offset in part to form a recess to receive and conform to the tongue neck portion whereby said two loop end portions are prevented from becoming disconnected in a direction circumferentially of said loop, the neck portion and said recess functioning to prevent disengagement of said T-shaped tongue in a direction radially outward from said loop.

2,426,449
THREAD TRAP FOR SHUTTLES
Wilfrid Joseph Gosselin, Methuen, Mass., assignor to U S Bobbin & Shuttle Co., Providence, R. I., a corporation of Rhode Island
Application July 3, 1946, Serial No. 681,265
6 Claims. (Cl. 139—223)



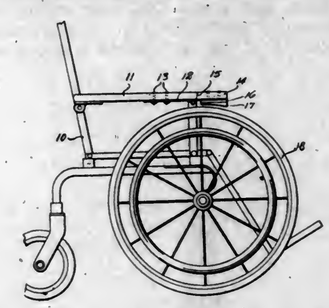
6. The combination with a shuttle of the automatic type having a body with a thread eye in its side near its front end, a thread groove along the eye side, a bobbin chamber, and a shuttle block recess extending from a point in front of the thread eye back to the bobbin chamber, said shuttle block recess including a diagonal front wall and an eye outlet in the side, the stock on the inside from the bottom of the eye outlet being cut away; of a shuttle block positioned in the shuttle block recess, including a longitudinal threading chamber, a nose and an eye projection which extends into the eye outlet in the wood, said shuttle block including a guiding front edge extending diagonally down and back from said nose, spaced from the front wall of the shuttle block recess, to a front leg extending down below the bottom of the eye outlet, and a back leg extending down to the bottom of said recess, there being a passage under the front leg and an inlet passage between the two legs up into an eye hole in the shuttle block.

2,426,450
PROCESS FOR PRODUCING BUTADIENE
William J. Hale, Midland, Mich., and Harry Miller, Columbia, Mo., assignors, by direct and mesne assignments, to National Agrol Company, Inc., Washington, D. C., a corporation of Delaware
No Drawing. Application February 22, 1943, Serial No. 476,758
16 Claims. (Cl. 260—681)

1. The method of making butadiene which comprises reacting a substance selected from the group consisting of dimethyl acetal, dibenzyl acetal, vinyl methyl ether and vinyl benzyl ether, with ethylene at temperatures under 250° C. and in the presence of a selected dehydrative catalyst containing less than 10% of its weight of a noble metal as a condensing agent which does not split off water from the liberated alcohol under the conditions of the operation.

2,426,451
INVALID'S CHAIR WITH BRAKE
Kenneth D. Hammack, Missouri Valley, Iowa
Application June 21, 1946, Serial No. 678,308
2 Claims. (Cl. 188—2)

1. An invalid's chair provided with front and rear traction wheels and arm rests contiguous to the front wheels, a strip of spring metal secured adjacent its inner end to the underside of an arm rest, a brake shoe attached to the underside of said strip of spring metal contiguous to a front wheel of the chair and a block attached to the upper side of said strip adjacent the forward end



thereof, said block fashioned as a continuation of the arm rest and positioned to adjoin the forward end of the arm rest.

2,426,452
MINIATURE RAIL CHAIR AND TIE PLATE FOR SCALE MODELS
Allen Hazen, West Buxton, Maine
Application March 23, 1944, Serial No. 527,799
3 Claims. (Cl. 238—287)



3. A miniature combination rail chair and tieplate formed from sheet metal bent intermediate its ends into a channel-shaped portion including upstanding marginal shoulders for engagement with longitudinal edges of the base flange of the rail, the outer edge portions of said body being directed outwardly and downwardly to form sloping flanges to rest on a tie, a plurality of depending pointed prongs struck out from said body to serve as anchoring elements, and a plurality of upstanding bendable tongues in alignment with said shoulders to serve as base flange engaging detents.

2,426,453
FOUNTAIN PEN
William H. Huenergardt, Chicago, Ill., assignor to Milton Reynolds, Chicago, Ill.
Application December 13, 1945, Serial No. 634,742
5 Claims. (Cl. 120—43)

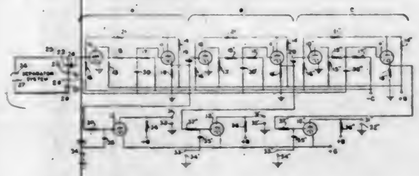
1. In a fountain pen comprising a tubular body adapted in connection with a normal writing operation to be held in an upstanding position, having the interior thereof cylindrical and adapted to hold a partial filling of paste variety ink, embodying at its upper end vent means, provided at its lower end with a freely rotatable spherical ball for applying the ink to a writing surface, a hollow, cylindrical float type follower of but slightly less diameter than the interior of the body, mounted in the body so that it is free to slide from one end thereof to the other, adapted in response solely to the action of gravity and the pressure of the superjacent air in the body to follow the ink downwards during normal writ-

ing of the pen, further adapted when the pen is placed on its side to prevent displacement of the ink in the direction of the normal upper end of the body, and consisting of an inverted cup-shaped part, and a disc-like part fitting within the lower end of the skirt of the cup-shaped part, said lower end of the skirt being crimped around



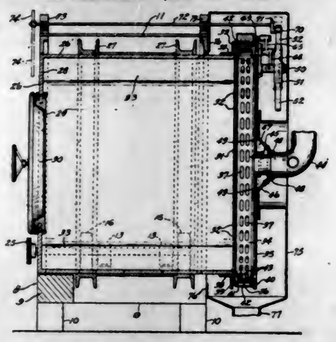
the margin of the disc-like part so that it secures the latter in place and having the inner periphery thereof upwardly flared so that it together with the bottom face of said disc-like member defines a shallow concentric undercut cavity for receiving and interfitting with a portion of the upper end of the ink filling.

2,426,454
ELECTRONIC SWITCH
John Kelly Johnson, Deerfield, Ill., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 27, 1942, Serial No. 444,732
13 Claims. (Cl. 250—27)



1. An electronic switch comprising, a plurality of vacuum tubes coupled in cascade, means intercoupling said tubes in groups to vary through a complete cycle the conductance characteristic of at least one tube of each group in response to impulses successively individually applied to two tubes of said each group, means for conditioning one of said cascaded tubes to initiate a control sequence, means for applying impulses to the said conditioned tube and to a corresponding tube of each of said groups, said impulses being effective to vary the conductance characteristic of at least said one tube in each of the successive groups of said tubes in like manner, thereby to complete successive steps of said control sequence, and a plurality of output circuits each individually coupled to at least said first-named one tube of each of said groups and adapted successively to have the energization thereof modified during the cycle of variation of the conductance characteristic of said first-named one tube of the group of tubes associated therewith.

2,426,455
TUMBLER TYPE CLOTHES WASHER HAVING RELEASABLE BAND DRAIN
John P. Jorgenson, Wilmette, Ill., assignor to Kling Bros. Engineering Works, Chicago, Ill., a corporation of Illinois
Application March 18, 1943, Serial No. 479,559
15 Claims. (Cl. 68—144)



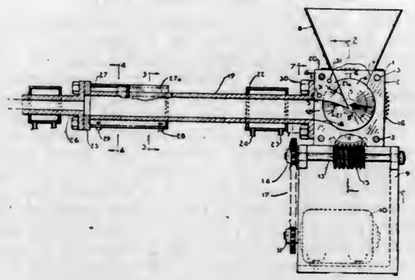
1. In a washing machine, a frame, a drum rotatable in said frame and having liquid openings in a portion of its periphery, a band valve rotatable with the drum for controlling the discharge of liquid from said peripheral openings, valve operating means on the drum having a projecting arm, and a movable trip member on the frame engageable with said arm as the drum rotates and when the tripping member is in operative position to cause movement of the valve operating means and movement of the band valve toward or away from the liquid openings.

2,426,456
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 24, 1945, Serial No. 618,119
5 Claims. (Cl. 139—92)



1. In loom harness, a plurality of heddles made of thin flat strips of metal having portions with surfaces of relatively broad areas, the means for spacing said heddles on their supporting rods comprising the provision of sets of offsets in the heddles, one set of said offsets being disposed near the tops of the heddles, another set of said offsets being disposed near the bottoms of the heddles, another set of said offsets being disposed above and adjacent the central portions of the heddles, and another set of said offsets being disposed below and adjacent the central portions of the heddles, the offsets in each set being disposed in alternate heddles, and the heddles intermediate said alternate heddles being provided with straight portions opposite the offsets in the alternate heddles.

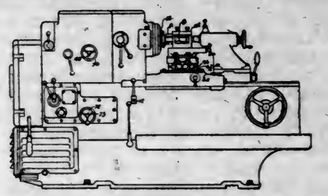
2,426,457
PLASTIC MACHINE
August K. F. Koch, Detroit, Mich.
Application March 7, 1945, Serial No. 581,485
4 Claims. (Cl. 18—12)



1. A machine of the character described including a housing, two discs mounted for rotation therein the axes of said discs being inclined with respect to one another, said discs having smooth opposed faces which are slightly conical, the discs being relatively so supported that across lines radial in one direction from their axes they are substantially parallel and adjacent one another, and in the opposite direction from their axes they are outwardly inclined from said axes, means drivingly connecting each of said discs for rotating both discs at the same speed, means for feeding plastic material between the portions of the faces which are inclined to one another, said housing having an outlet opening therethrough opposite the portions of the disc faces which are parallel and adjacent one another, a delivery duct extending from the outside of the housing in registry with said opening, and a plow fixedly mounted between the discs and substantially in contact with the opposed work contacting faces of said discs, said plow extending from a point adjacent the vertex of said discs to a point beyond the peripheral edges thereof with its outer end supported by said casing to prevent the transportation of the material between the discs past the outlet opening.

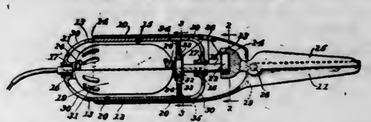
2,426,458
BACK-OFF MACHINE
Roland I. Kuffler, Detroit, Mich., assignor of one-half to Samuel M. Renfrew, Hazel Park, Mich.
Application August 30, 1944, Serial No. 551,915
25 Claims. (Cl. 82—19)

1. A back-off machine including a continuous drive, a main spindle, means including a Geneva plate intermittently turned by the continuous drive for imparting intermittent rotation to the main spindle, a cross slide mounted for movement angularly to the axis of the main spindle, means actuated by the continuous drive for reciprocating the cross slide and the means for imparting intermittent rotation to the main spindle being so synchronized that the cross slide is moved



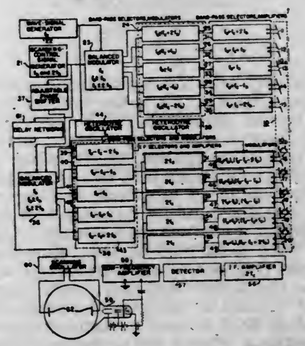
toward the main spindle axis during rotation of the spindle and away from said axis when the spindle is stationary.

2,426,459
AUTOMATIC SHEARS
William J. Landen, Lisbon, Ohio
Application October 31, 1944, Serial No. 561,267
7 Claims. (Cl. 30—228)



7. A device of the class described, comprising an exterior housing having a slot, a fixed shear blade adjacent the slot in said exterior housing, an interior housing telescoped in said exterior housing, means for detachably connecting the fixed shear blade to the interior housing, a motor and drive shaft mounted for rotation in said interior housing, a movable shear blade pivoted in operative relation to said fixed shear blade, and blade actuating means within said exterior housing connecting said drive shaft with said movable shear blade, the parts being constructed and arranged so that the fixed blade may be removed for replacement or sharpening without disturbing the other parts of the shears.

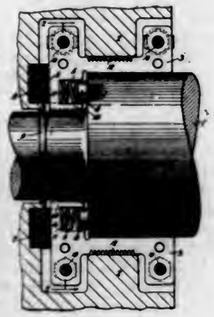
2,426,460
SYSTEM FOR LOCATING A RADIATED-SIGNAL REFLECTOR
Harold M. Lewis, Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application October 27, 1943, Serial No. 507,861
13 Claims. (Cl. 250—11)



1. A system for locating a radiated-signal reflector comprising, a radiated-signal translating

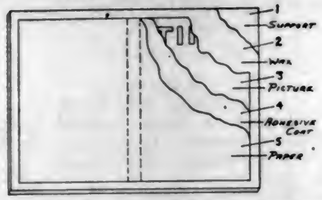
system including a plurality of spaced signal translators, wave-signal supply means for applying wave signals to at least one of said translators and wave signals of a different frequency to another of said translators to provide a radiated-signal translating system which angularly scans a predetermined space with a radiated-signal beam, whereby said beam scans across any radiated-signal reflector in said space and radiated-signal energy of said beam is reflected therefrom, modulator means for modulating the reflected radiated-signal energy received by one of said translators with a modulation signal having a predetermined frequency different from the wave signal applied to said first-mentioned one translator and for modulating the reflected radiated-signal energy received by another of said translators with a modulation signal having with respect to the wave signal applied to said first-mentioned other translator a predetermined frequency difference such that predetermined ones of the resulting modulation components have additive phase only for one direction of reception by said translators which direction scans said predetermined space in synchronism with said radiated-signal beam, and means for combining and utilizing said predetermined modulation components to indicate the direction of said reflector from said system.

2,426,461
GLAND PACKING
Percy Edward Lyddon, Worcester, England, assignor to Morgan Crucible Company, Limited, London, England
Application October 31, 1944, Serial No. 561,214
In Great Britain November 1, 1943
3 Claims. (Cl. 286—7)



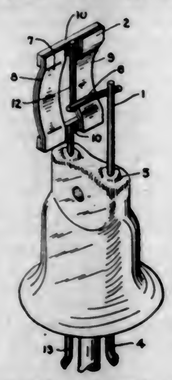
1. A packing between a shaft and a surrounding housing comprising a collar keyed to the shaft so as to rotate therewith but to be axially displaceable thereon, the inner surface of the collar being in throttling sealing relationship with the shaft, and the outer surface of the collar having grooves to produce a labyrinth-sealing relationship with the surrounding housing, and the housing presenting a surface into contact in the axial direction with a surface of the collar extending away from the shaft, and mutually engaging means on the collar and the shaft respectively serving to impose a limit on the said axial displacement so that after a certain extent of wear at the surfaces which bear against each other in the axial direction no further axial displacement is permitted.

2,426,462
DECALCOMANIA MANUFACTURE
Raymond D. Marksberry, Akron, Ohio, assignor of one-third to Merle Hughey, Akron, Ohio, and one-third to Raymond G. Lutz, Cuyahoga Falls, Ohio
Application June 7, 1944, Serial No. 539,054
6 Claims. (Cl. 41—33)



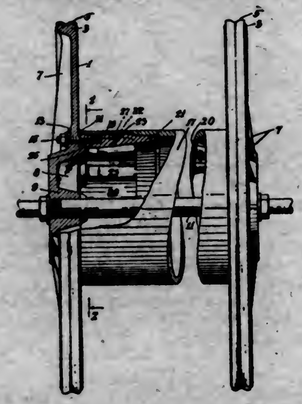
1. The method of preparing decalcomanias which comprises bulding up a plurality of pictures therefor by successive applications of constituents thereof in solution or suspension in a volatile liquid with vaporization of the liquid between applications, the applications being to a temporary support of permanent dimensions to which the pictures adhere and from which they are subsequently removed intact, covering each of the pictures with a water-soluble adhesive, and while the areas of the adhesive are wet, uniting a sheet of paper thereto, and subsequently separating from the temporary support the sheet of decalcomanias thus produced.

2,426,463
GLOW STARTER FOR ELECTRIC DISCHARGE DEVICES
Ronald J. McKenzie, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 27, 1944, Serial No. 528,305
3 Claims. (Cl. 200—113.5)



1. An automatic interval timing thermal switch comprising an evacuated envelope having an ionizable atmosphere, a pair of contact members therein one of said contact members having a temperature responsive element including a pair of bimetallic strips each presenting predetermined but different degrees of curvature and presenting their convex faces toward a common plane and having equal chordal lengths, means rigidly connecting their ends together, and means for rigidly anchoring one end of said temperature responsive element whereby upon raising its temperature to a predetermined value its free end will be caused to snap into closed circuit position in engagement with the other contact member.

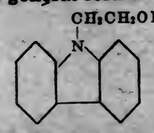
2,426,464
WARP BEAM
Heins Menking, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 25, 1944, Serial No. 560,273
5 Claims. (Cl. 242—124)



1. A metal warp beam comprising two heads, a barrel portion, and a collar member having integral internal solid ribs therein positioned at each end of the barrel and in the interior thereof and rigidly secured both to the adjacent head and to the barrel, the internal solid ribs of said collars being parallel to the axis of the barrel and extending over a substantial portion of the length of the collar, said solid ribs also having threaded openings therein to receive screw fastening means for securing said heads to said collars.

2,426,465
METHOD OF PREPARING N-VINYL CARBAZOLE
Harry F. Miller and Ralph G. Flowers, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application November 27, 1945, Serial No. 631,212
7 Claims. (Cl. 260—315)

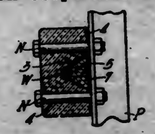
1. The method of preparing N-vinylcarbazole which comprises pyrolyzing a compound corresponding to the general formula



where R represents a member of the class consisting of acetyl, phenylacetyl, propionyl, butyryl and isobutyryl radicals by heating said compound at a temperature within the range of about 450° C. to about 750° C.

2,426,466
INSULATOR FOR ELECTRICAL WIRE CONDUCTORS
Rudolph A. Minarik, Vandergrift, Pa., assignor of one-half to Ralph E. Meech, Pittsburgh, Pa.
Application December 7, 1943, Serial No. 513,214
10 Claims. (Cl. 174—156)

1. An insulator of the class described for attaching a wire conductor to a supporting member comprising a body member having a transverse channel opening arranged on the inner side thereof which is adapted to be disposed next to the supporting member, a removable insert member arranged in said opening with the conductor adapted to be positioned in said opening between the inner side of the same and the inner side of said insert member, said insert member being constructed and arranged so that it can be inserted into said opening only from the inner side of said body member, means carried by said insert member which cooperates with means ar-

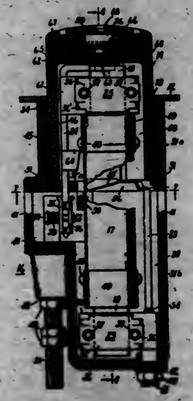


ranged on the side walls of said opening to prevent movement of said insert member in either direction along said opening, and means arranged in said body member for attaching the same to the supporting member, the inner side of said insert member adapted to abut the supporting member and adapted to be forced into the opening into engagement with the conductor thereby when said body member is attached to the supporting member so that the conductor is gripped firmly between said insert member and said body member.

2,426,467
GOLD-COPPER SOLDER
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 18, 1945, Serial No. 605,827
2 Claims. (Cl. 75—153)

1. A solder containing 37½% gold and 62½% copper.

2,426,468
FUSE UNIT
Alric H. Powell, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application December 8, 1943, Serial No. 513,391
18 Claims. (Cl. 200—121)



1. A dead front cartridge fuse holder and indicator for the cartridge fuse held therein comprising in combination a panel board, a base having a recess therein secured to one face of said panel board, a pair of contact terminals leading into said recess in said base, a cartridge fuse retainer for removably retaining the cartridge fuse thereof within the recess of said base and in series with said contact terminals, an indicating

circuit including a lamp for indicating rupture of said cartridge fuse, means defining an opening in said retainer so that said lamp at times is visible from the opposite side of said panel board from that to which said base is secured, a light transmitting insert in said opening so that said lamp is visible at all angles from said opposite side of said panel board, and means for connecting said indicating circuit in parallel with said cartridge fuse at least when retained in contact with said contact terminals.

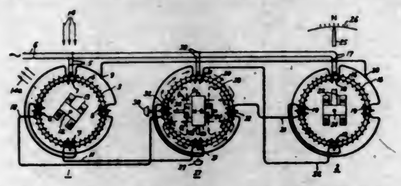
2,426,469
ADJUSTABLE HEAD SUPPORT FOR DISPLAY FORMS
Roy A. Schramm and Edmund S. Wisniewski, Bay City, Mich.
Application February 26, 1944, Serial No. 524,148
1 Claim. (Cl. 223—66)



A display form comprising a body member simulating the upper portion of the human body and over which a closed shirt including its collar may be draped, a post supporting said body member in upright position, a rod extending upwardly, rearwardly of said body member and having the lower end thereof supported by said post, a head and neck unit separate from and disposed above said body member, a member connected to said head and neck unit and movably engaged with the upper end of said rod for vertical and lateral adjustment of the unit relative to the body member whereby upon vertical adjustment of the unit the neck portion thereof may be moved into and out of the closed collar of the shirt, and upon lateral adjustment the unit may be moved to a position to facilitate draping of the shirt on the body member, and means cooperating with said rod and member for securing the unit in any adjusted position.

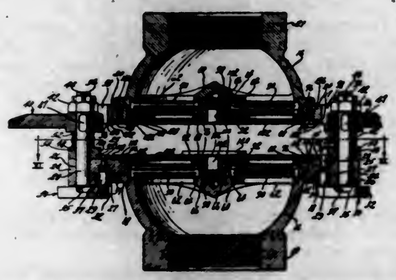
2,426,470
REMOTE INDICATING MAGNETIC COMPASS SYSTEM
Allen T. Sinks, deceased, late of Beach Bluff, Mass., by Anna C. Sinks, administratrix, Beach Bluff, Mass., assignor to General Electric Company, a corporation of New York
Application July 30, 1945, Serial No. 607,717
9 Claims. (Cl. 33—225)

2. In a remote indicating compass system of the type having a transmitter and indicator units energized from a source of alternating current and electrical connections between said units for transmitting position-indicating, second-harmonic signal voltages from the transmitter to the indicator, a deviation compensator comprising a closed core of magnetically permeable material having windings thereon with single phase and polyphase connections, said single phase connections being connected to said source of alternating current to cause periodic saturation of the core and said polyphase connections being electrically interposed between said transmitter and indicator units, means for producing a unidirectional magnetic flux linking the core of said compensator, said unidirectional flux being



caused to pulsate due to the periodic saturation of said core whereby second harmonic voltages are induced in the compensator windings, and means for adjusting the direction and magnitude of said unidirectional magnetic flux in said compensator core to vary the magnitude and polarity of the second harmonic voltages induced in the compensator windings.

2,426,471
QUICK DISCONNECT COUPLING
Jacob Rush Snyder, Cleveland, Ohio, assignor to Thompson Products Inc., Cleveland, Ohio, a corporation of Ohio
Application January 17, 1946, Serial No. 641,791
21 Claims. (Cl. 284—5)



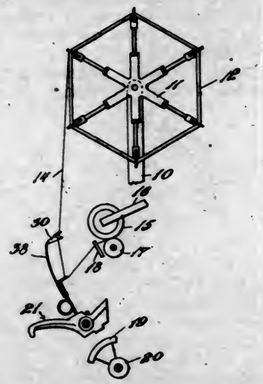
1. A coupling comprising a pair of complementary parts, each having a port therein for fluid flow therethrough, means for detachably coupling said parts together with said ports in spaced relationship, and a disk-like valve mounted intermediate said ports in the coupled position of said parts and rotatable about the disk axis after said parts are coupled between an opening and a sealing relationship with said ports.

2,426,472
BOROSILICATE GLASSES
John E. Stanworth, Sheffield, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application January 9, 1947, Serial No. 721,143. In Great Britain January 28, 1946
5 Claims. (Cl. 106—54)

1. Glass compositions comprising the heat-reacted product of the following ingredients by weight in the range of proportions:

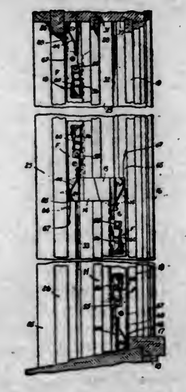
	Per cent
Silica (SiO_2)	55 to 65
Boric oxide (B_2O_3)	9 to 25
Barium oxide (BaO)	12.5 to 4
Zinc oxide (ZnO)	7.5 to 2
Calcium fluoride (CaF_2)	5 to 0
Alkali oxide (Na_2O+K_2O)	15 to 5

2,426,473
CONTROL GUIDE FOR YARN WINDERS
Samuel A. Straw, Pawtucket, R. I., assignor to American Textile Company, Inc., a corporation of Rhode Island
Application February 17, 1945, Serial No. 578,374
10 Claims. (Cl. 242—147)



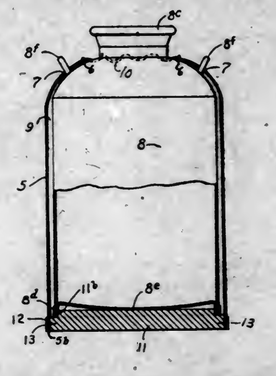
1. A control guide for a yarn winder having a rigid member for engaging a rocker, comprising a flexible arm extending from said member and guide eyes provided on said arm at spaced locations therealong.

2,426,474
SASH AND SASH GUIDING MEANS
Earl M. Trammell, Sr., and Earl M. Trammell, Jr., St. Louis, Mo.
Application March 24, 1944, Serial No. 527,930
14 Claims. (Cl. 20—52.4)



1. In a slidable sash assembly, a sash, stops and stiles forming a sashway of substantially greater depth than the thickness of the sash stiles, the assembly including a projecting member carried by one of the vertical elements of the assembly, and a channeled member substantially vertically disposed along the sashway with the projecting member guidedly operable in and along the channeled member, one of said members being pivotally supported and resiliently positioned to permit a yielding displacement of the sash, in a direction depthwise thereof, in substantially any position of the sash along the sashway.

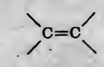
2,426,475
COOLING JACKET FOR MILK CANS
Charles P. Van Frank, Mooreland, Okla.
Application February 13, 1946, Serial No. 647,282
2 Claims. (Cl. 62—154)



1. A cylindrical, semi-porous jacket for inclosing a cylindrical milk or cream can, the said jacket being open at its ends and there being means for attaching the upper end of the jacket to the upper end of the can, the jacket being sized to provide an intervening water space between the can and jacket, a base plate for receiving the lower ends of the can and jacket and supporting these elements in spaced relation for maintaining the said water space therein between, means for closely connecting the lower end of the jacket to the said base plate to prevent water leakage thereat, the base plate being circular in form and adapted to pass flatly into the lower end of the jacket below the can as seated within the jacket, and an iron ring adapted to frictionally fit over the lower end of the jacket and inclosed base plate, for closely securing the lower end of the jacket to the base plate.

2,426,476
DI(TERTIARY ALKYL) PEROXIDE POLYMERIZATION CATALYSTS
William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 29, 1943, Serial No. 481,052
12 Claims. (Cl. 260—78.4)

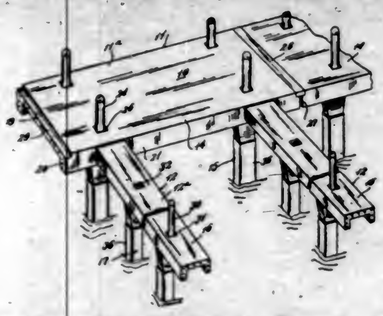
9. A composition comprising between about 0.01% and about 5% of a di(tertiary alkyl) peroxide and an unsaturated polymerizable compound containing the non-aromatic group



2,426,477
PIER CONSTRUCTION
Ralph W. Walton, Cleveland, Ohio
Application November 28, 1945, Serial No. 631,269
7 Claims. (Cl. 61—48)

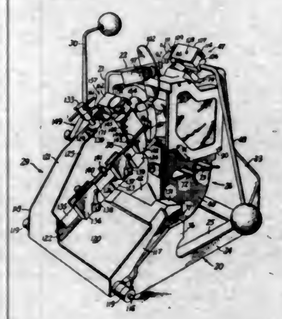
1. A pier of the character described comprising, a plurality of spaced piles driven into the earth, said piles being wholly preformed and having lateral shoulders thereon and portions of reduced size extending above said shoulders, and a deck structure comprising a preformed slab

assembled on said piles and supported by said shoulders and having spaced openings located



wholly inwardly of its edges and into which the reduced portions of the piles extend.

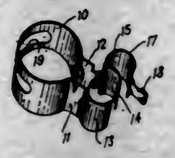
2,426,478
DRILL GRINDER
Jack Van H. Whipple, New York, N. Y.
Application September 1, 1942, Serial No. 456,874
4 Claims. (Cl. 51—55)



4. In a drill pointer, in combination, a drill holder for holding a drill in a position to be ground, a grinding wheel holder for rotatably supporting a grinding wheel, a grinding wheel rotatably mounted in said wheel holder, means mounting one of said holders for swinging movement relative to the other, whereby the wheel and drill may be relatively moved to effect grinding of the drill point, and means responsive to relative movement between said holders for moving one of said holders in a plane perpendicular to the axis of rotation of said wheel to traverse a substantial portion of the operative surface of said wheel over the portion of the drill being ground to avoid local wear of the wheel face.

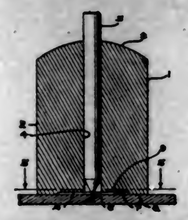
2,426,479
CABLE SUPPORTING CLAMP
Joseph W. Wohlhieter, East Orange, N. J., assignor to The Palnut Company, Irvington, N. J., a corporation of New Jersey
Application April 22, 1944, Serial No. 532,237
6 Claims. (Cl. 24—81)

6. A clamp for grasping a plurality of objects and firmly maintaining same in a definite spaced relationship, comprising: a generally U-shaped one-piece tempered spring steel band having a more than semiannular bight portion for snugly clasping one of said objects and provided with collaterally-extending spaced arm portions formed adjacent their respective free ends into arcuate jaw portions for conformitively snugly clasping therebetween a second object disposed in definite spaced relation to the first object, and a stiff, more than semiannular tempered spring steel bow permanently hinged to one of said spaced arm portions externally of its conformitive object-clasping surface, swingable on its hinge axis and snap-sprung applicable around said arcuate object-clasping jaw portions by means of pressure from conventional pliers manually applied across the intermediate portion of said bow and the arcuate jaw portion of the other of said spaced



arm portions, said spring steel bow having its hinge-remote extremity provided with a relatively narrow hook-ended tongue-like extension by which camming of the arcuate jaw portion of said other of said spaced arm portions into the stiff spring bow is effected during its application, which lies against said other of said spaced arm portions inward of a plane commonly tangent to the adjacent object-surrounding parts of the assembled clamp, and which enables facile levering off of the stiff spring bow by means of a conventional screw driver blade-engaged with the hook end.

2,426,480
PUNCH ALIGNING LENS
Remsen V. Wood, Baltimore, Md.
Application January 12, 1946, Serial No. 640,947
11 Claims. (Cl. 33—189)

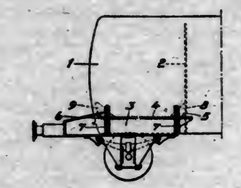


3. An aligning lens having a punch hole through the axis thereof, a punch slidable in and guided by said hole, a base on said lens to support the lens with its axis vertical to a plane, and means on said lens whereby its location with respect to indicia in said plane may be determined, said means being magnified by said lens.

2,426,481
TANK WAGON WELDED IN ONE PIECE
Nils Albin Andersson, Alsten, Sweden, assignor to A/B Chr. Olsson, Vårtan, Sweden
Application November 30, 1943, Serial No. 512,403
In Sweden July 31, 1941
4 Claims. (Cl. 105—358)

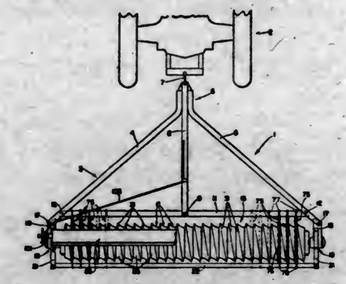
1. A tank wagon comprising a plurality of trucks, a cylindrical shell serving as interframe between trucks and including a plurality of transverse baffle plates, and a pair of parallel side plates at each end of said shell to carry said shell, said side plates serving as axle box mountings and forming parts of buffer carrying frames,

each side plate terminating in the vicinity of one of said baffle plates and being welded along one



of its longitudinal edges to the outside of said shell on a line parallel to the axis of the latter.

2,426,482
SOIL PULVERIZER WITH CLEANER
Royce R. Borngraeber, Horicon, Wis., assignor to The Van Brunt Manufacturing Co., Horicon, Wis., a corporation of Wisconsin
Original application May 28, 1943, Serial No. 488,930, now Patent No. 2,418,937, dated April 15, 1947. Divided and this application August 30, 1944, Serial No. 551,925
3 Claims. (Cl. 97—224)

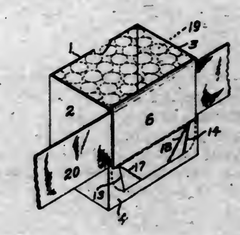


1. In a land roller, frame means, a roller element comprising a plurality of soil engaging wheels fastened together in axial relation, said wheels having cutting edges with portions at the side of the planes of said cutting edges disposed radially inwardly, the planes of said cutting edges being disposed at an angle to the axis of said interconnected wheels, bearing means connecting the assembly of interconnected wheels with said frame means, and a plurality of laterally flexible scraper elements connected with said frame means and engaging said wheels in the spaces between said cutting edges, the lateral flexibility of said scraper elements accommodating the inclination of the planes of the cutting edges when the roller element rotates.

2,426,483
REACTIVATION OF SULFIDE CATALYSTS
Herman G. Boucher, Wood River, and Thomas F. Leeds, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 17, 1945, Serial No. 588,894
2 Claims. (Cl. 252—242)

1. Process for the reactivation of metal sulfide catalysts selected from the class consisting of the sulfides of W, Mo, Ni, W-Ni, W-Co, W-Fe, Mo-Ni, Mo-Co and Mo-Fe, which comprises treating the partially spent catalyst for several hours with a stream of air at a temperature between about 350° F. and 550° F., but below that at which active exothermic reaction of the carbonaceous deposits or the sulfur sets in, whereby the catalytic activity of the catalyst is restored without appreciable oxidation of carbonaceous deposits.

2,426,484
CARTON CONSTRUCTION
James F. Buffenbarger, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application December 18, 1943, Serial No. 514,803
4 Claims. (Cl. 224—22)



1. In a carton having a body with walls and a bottom for enclosing contents, a top closure including a tuck flap articulated to one of the walls, and movable from a position in which it forms a top for the carton to another position in which it parallels and lies along the wall to which it is articulated, said wall having slits to receive said tuck flap effective while the said top closure is in the last mentioned position, for holding the then lower edge of it to the said wall to which it is articulated, whereby to form a sleeve for the acceptance of means for supporting the carton.

2,426,485
STABILIZING MARINE OILS
Loran O. Buxton, Newark, and Charles E. Dryden, East Orange, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 27, 1944, Serial No. 528,352
5 Claims. (Cl. 167—81)

2. A process for increasing the stability of a rendered crude fish liver oil, which comprises heating an organic solvent solution of such an oil in contact with concentrated ammonium hydroxide and subsequently freeing the oil of ammonia, water and solvent by heating the mass under reduced pressure.

2,426,486
STABILIZATION OF FATTY MATERIALS
Loran O. Buxton, Newark, and Charles E. Dryden, East Orange, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 27, 1944, Serial No. 528,355
15 Claims. (Cl. 167—81)

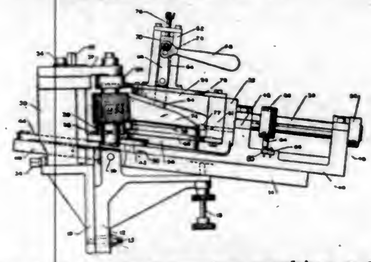
1. A process for stabilizing a fatty material comprising contacting the fatty material with a vegetable meal in the presence of a relatively small amount of ammonia.

2,426,487

MACHINE FOR MAKING WEDGE HEELS AND THE LIKE

George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio, a corporation of Ohio

Application August 22, 1944, Serial No. 550,628
11 Claims. (Cl. 12—87)



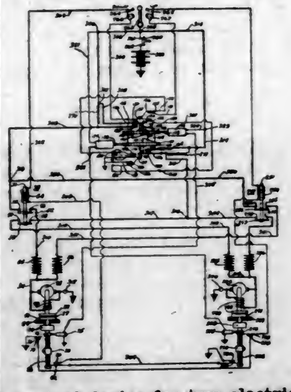
1. In a wedge heel-turning machine a vertically mounted cutter, a flat-topped table mounted adjacent said cutter and adjustable with respect thereto, a jack unit having a flat-bottomed base on said table, said jack unit including a jack for holding a wedge heel blank, said jack being rotatably mounted in a bearing on said base on an axis parallel to the top of the table whereby said jack may present the side of a wedge heel blank to the cutter at the desired cutting angle.

2,426,488

DUAL MOTOR CONTROL

Charles D. Davidson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 30, 1944, Serial No. 551,964
16 Claims. (Cl. 172—293)



13. In a control device for two electric motors, the combination with a source of electric power; of an electromagnetic controller switch adapted to be actuated, simultaneously to connect both motors with the source of power; a hand switch for connecting the electromagnet switch with the source of power to energize it for closing the motor circuits; a holding magnet rendered effective to hold the hand switch in operated position by the closing of said hand switch; a speed reducing resistance in each motor circuit; means normally rendering each resistance ineffective; a synchronizer having separate parts each operated under the control of and in accordance with the speed of a respective electric motor, said parts operating idly when acting in unison in response to equal rotating speeds of the respective motors but adapted to be shifted axially to render one or the other speed reducing resistances effective when one of the motors rotates at a greater speed than the other, whereby the faster operating motor is retarded; means for rotating said synchronizer parts; and circuit controlling means connected in series with the holding magnet, each adapted to be actuated by a respective synchronizer part to open its circuit and release the hand switch for deenergizing the controller switch and break both motor circuits when said synchronizer part has been shifted axially to a predetermined position by continued unequal rotation of the electric motors.

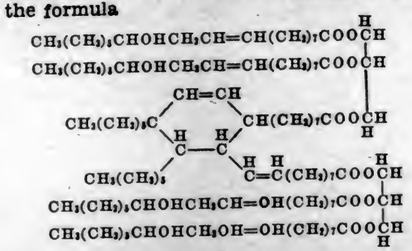
2,426,489

OXIDIZED DIMER OF 9,11-LINOLO-DIRICINOLEIN AND METHOD OF MAKING SAME

Melvin De Groote, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 13, 1945, Serial No. 604,991. Divided and this application May 17, 1946, Serial No. 670,533
5 Claims. (Cl. 260—406)

1. In the process of manufacturing a drastically oxidized dimer, the step of oxidizing a dimer of the formula



with an oxygen-containing gas at a temperature between 120° and 240° C. for a period of time sufficient to produce a reduction in iodine value equivalent to at least 10 per cent of the original value and not over 50 per cent of the original value.

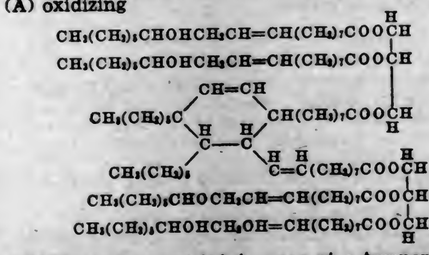
2,426,490

HYDROXYACETYLATED AND OXIDIZED DIMER OF 9,11-LINOLO-DIRICINOLEIN, AND METHOD OF MAKING SAME

Melvin De Groote, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application July 13, 1945, Serial No. 604,992. Divided and this application May 17, 1946, Serial No. 670,534
5 Claims. (Cl. 260—406)

1. In the process of manufacturing a hydroxyacetylated drastically oxidized dimer, the step of (A) oxidizing



with an oxygen-containing gas at a temperature between 120° and 240° C. for a period of time

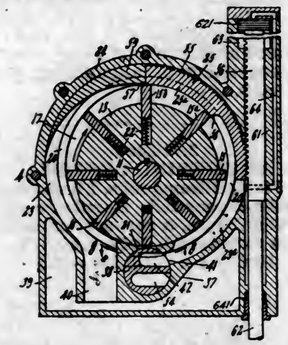
sufficient to produce a reduction in iodine value equivalent to at least 10 per cent of the original value and not over 50 per cent of the original value, (B) hydroxy-acetylating said aforementioned drastically oxidized dimer.

2,426,491

VARIABLE DELIVERY MOVABLE VANE PUMP FOR A FLUID TRANSMISSION MECHANISM

Irving W. Dillon, Melrose, Mass.

Application April 1, 1944, Serial No. 529,110
3 Claims. (Cl. 103—120)



3. In a hydraulic power transmission apparatus, a rotary pump having a substantially cylindrical casing with inlet and outlet ports at opposite sides of and near to the diameter of the casing, a cylindrical rotor mounted eccentrically in said casing and in sealing contact with the circumference of the casing between said ports, substantially radial and radially movable vanes carried by the rotor, guide means in the casing arranged to control the vanes, permitting outward movement thereof as they leave the sealing contact in their rotation, and to force them inward as they approach the outlet port, a cut off valve mounted in the casing for angular movement in a path concentric with the axis of the casing at the delivery side of the rotor, said valve having an arcuate surface arranged to extend across the outer extremities of each two adjacent vanes in succession during their revolution, whereby to form a closed pocket with such vanes, the rotor and the end walls of the casing, and such arcuate surface being of such short length that each pocket so formed is open to the pump inlet until the trailing one of any two such vanes reaches one end of the surface, and directly thereafter the leading one of such vanes leaves the surface and opens the pocket into communication with the outlet port; said valve being movable to transfer its arcuate surface toward and away from the outlet port at the outlet side of the rotor in a path coaxial with the casing, whereby to vary the dimensions of said pockets and the discharge capacity of the pump.

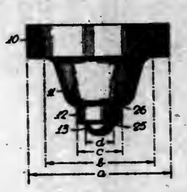
2,426,492

COMPRESSION DIE

Henry Peter Dupre, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Application November 15, 1943, Serial No. 510,426
1 Claim. (Cl. 140—113)

An indenting tool for indenting a metal tubular sleeve to a wire, said tool comprising a lower die part having a transversely extending semi-cylindrical groove for supporting a sleeve therein; a longitudinally extending indenting die having a base with encircling sides forming a tip portion extending from the base and circumferentially rounded on all sides from the base to the center of the tip, said tip having a maximum diameter less than the minimum diameter of the base; said indenting die being provided with a shoulder having a flat face which extends transversely to



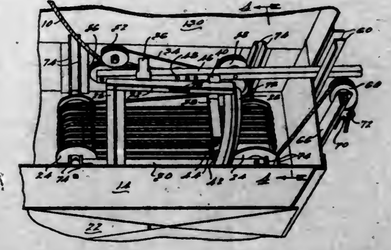
the longitudinal axis of the die, said shoulder connecting said maximum diameter of the tip to the base of the indenting die; and means for controlling the distance that the indenting die is capable of moving into the sleeve supported in the semi-cylindrical groove of the lower die part, to a point substantially in excess of twice the wall thickness of the sleeve from the bottom of the semi-cylindrical groove, and less than the diameter of the sleeve.

2,426,493

APPARATUS FOR PROCESSING ROPE

John A. Eriksson and Frants V. Jensen, Detroit, Mich., assignors to Jensen Specialties, Inc., Detroit, Mich., a corporation of Michigan

Application April 28, 1945, Serial No. 590,796
4 Claims. (Cl. 91—46)



1. Rope treating apparatus comprising, in combination, a tank adapted to receive a body of rope treating liquid, a framework removably received in said tank, a pair of rolls, means for supporting said rolls on said frame in spaced and parallel relation with respect to each other, said means being connected at one end only to said frame whereby to leave the opposite ends of said rolls free.

2,426,494

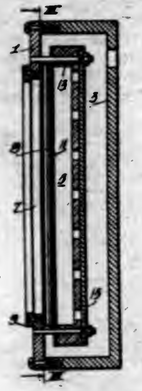
HEAT DETECTION DEVICE

John Evans, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 20, 1943, Serial No. 515,058
15 Claims. (Cl. 201—63)

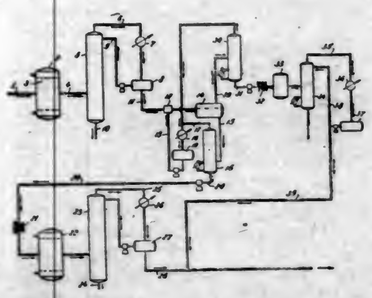
15. A heat detector comprising an electrically insulating support, a membrane stretched over said support and supported so as to have a suspended central portion, a thin layer of a metal-

lic oxide having a relatively high coefficient of resistance deposited on said membrane and means



for establishing electrical connections to spaced portions of said layer.

2,426,495
METHOD OF PRODUCING GASOLINE OF HIGH ANTIKNOCKING CHARACTERISTICS
Frank C. Fahnestock, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 13, 1943, Serial No. 494,482
4 Claims. (Cl. 196—52)

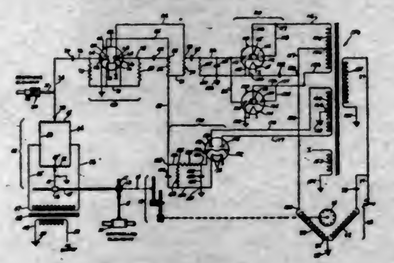


1. Method of producing cracked gasoline of high anti-knock capability comprising subjecting petroleum gas oil to cracking to gasoline, separating out the material of gasoline boiling range formed in this cracking, subjecting this gasoline to solvent refining in the presence of an extractive agent under such conditions as to separate from the gasoline substantially only the most highly paraffinic, substantially straight-chain compound portion thereof, rejecting such paraffinic portion, freeing the remainder of extractive agent, and again subjecting this remainder to cracking conditions in the presence of solid adsorptive catalytic material, and selecting a gasoline of desired boiling range from the products of the second cracking, said gasoline being substantially free of any constituent originating in the highly paraffinic portion of the gasoline cut produced by the first cracking.

2,426,496
CORROSION PROTECTING COMPOSITIONS
Francis F. Farley, Alton, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 21, 1944, Serial No. 527,493
7 Claims. (Cl. 252—395)

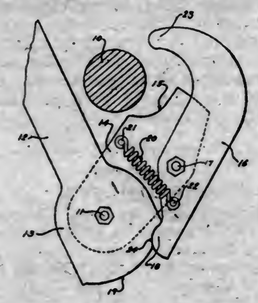
1. A composition consisting essentially of a neutral fluid vehicle and a minor but corrosion-inhibiting amount each of a half-neutralized and an unneutralized dibasic aliphatic acid having a minimum of about 12 carbon atoms, both of the acidic radicals being selected from the group of a carboxylic radical and its thio equivalents, the two acidic groups being separated by not more than about four intervening atoms, said half neutralized dibasic aliphatic acid being selected from the group consisting of ammonium and alkali metal acid salts.

2,426,497
AMPLIFYING SYSTEM
William J. Field, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1943, Serial No. 506,313
10 Claims. (Cl. 250—27)



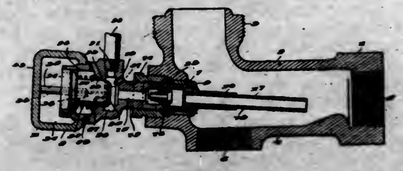
5. In a multi-stage amplifier, first and second electronic discharge devices, each having an anode, a cathode, and a control element, a source of alternating voltage, means comprising a full wave rectifier and a partial filter system operatively connected to said source for obtaining therefrom a unidirectional voltage having a small component of alternating voltage of twice the frequency of said source, means for applying a signal voltage to the control element of said first electronic discharge device, means for connecting said rectifier and filter system to the anode of said first triode so as to form an anode circuit, means for applying voltage derived from said previously named anode circuit to the control element of said second electronic discharge device, whereby the voltage applied to said control element of said second electronic discharge device has a component due to the signal voltage and an alternating component derived from said rectifier and filter system, means for applying an alternating potential derived from said alternating source of power to the anode of said second electronic discharge device, and means for maintaining a phase relationship between the alternating component of the voltage applied to the control element of said second discharge device and derived from the rectifier and filter network and the alternating potential applied to the anode such that the alternating voltage applied to the control element of said second discharge device is effective to bias the grid negatively during that portion of the conductive half cycle in which the anode potential is greatest.

2,426,498
CLAMP STRUCTURE
Hubert F. Franklin, Baldwin, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application October 22, 1943, Serial No. 507,321
19 Claims. (Cl. 248—361)



1. The combination with a plurality of relatively movable work engaging members, of an actuating member for controlling the relative movement of said engaging members, and an operating member for positioning said engaging members as a unit with respect to the work to be engaged.

2,426,499
SAND TRAP FOR RAIL SANDERS
Virgil L. Frants, Roanoke, Va.
Application March 4, 1944, Serial No. 525,071
7 Claims. (Cl. 291—11)



1. A sanding mechanism comprising a casing having a sand supply port and a discharge port, a single nozzle extending into said casing between said ports and through which both a sanding operation supply of air and a cleanout blast of air is selectively carried, a valve communicating with said nozzle and provided with a piston arranged so an initial cleanout blast of air is sent through said nozzle, said piston during said cleanout blast being urged toward and into engagement with a seat within said valve leading into said nozzle to thereby finally arrest said cleanout blast, and cross ports in said piston; one of said cross ports being in communication with a supply of air and the other of said cross ports being in communication with said nozzle when said piston is in seat-engaging position.

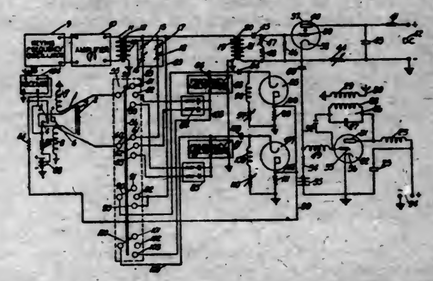
2,426,500
GARMENT CONSTRUCTION
Aaron A. Goldstein, Philadelphia, Pa., assignor to Coat Craft Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 26, 1946, Serial No. 718,533
1 Claim. (Cl. 2—85)

A garment construction of the character described, a main body portion having an inwardly turned hem, and a band of flexible material interposed between the hem and the main body portion, said band having one longitudinal edge thereof attached to the upper edge of the hem and its opposite longitudinal edge attached to the main body portion along a line intermediate



the width of the hem, the upper edge of the hem being attached to the main body of the garment by readily removable stitching.

2,426,501
METHOD AND APPARATUS FOR RADIO RANGING
Harold M. Hart, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application March 20, 1941, Serial No. 384,353. Divided and this application October 16, 1941, Serial No. 415,274
20 Claims. (Cl. 250—1.66)

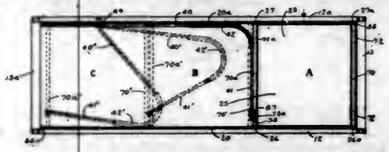


12. In a radio ranging system having a high frequency oscillator tube and circuit, said tube having a control element adapted, in response to an applied potential, to start and stop oscillations in said circuit, a keying circuit adapted to produce periodically potential impulses of peaked wave form, means applying said potential impulses to said oscillator control element, a cathode ray tube indicator with a scale having a zero position, means providing a sweep potential for periodically deflecting the cathode beam with reference to said zero position in accordance with a time function, and electrical means for controlling the phase relation between said peaked potential impulses and said sweep potential whereby the time of impulse transmission can be synchronized with the cathode beam's traverse of said zero position.

2,426,502
BUCKY RETRACTOR
Walter H. Haupt, Ludlow, Ky., assignor to The Kelley-Koett Manufacturing Co., Inc., Covington, Ky., a corporation of Ohio
Application November 23, 1944, Serial No. 564,817
20 Claims. (Cl. 250—63)

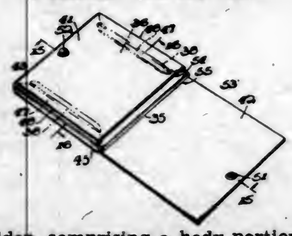
1. X-ray apparatus of the character described comprising a table, a bucky movable beneath said table, a supporting track for said bucky carried by said table, a hollow flexible connector member, comprising a longer rigid tubular section pivotally connected at one end adjacent one side of the table, a shorter tubular member pivotally connected at one end to the bucky, and a flexible middle section connecting the unpivoted ends of

said rigid tubular sections, each of said rigid tubular sections and the flexible middle section being of such relative proportions that at no time during movement of the bucky will any portion of the composite flexible tubular member extend beyond the extent of the table, means for limiting



swinging travel of the rigid tubular sections each in one predetermined direction, the length of said composite flexible tubular member and the points of pivotal connection of its rigid sections being such that the flexible middle section will at all times be positioned in the simple curve, and curved in the same direction.

2,426,503
FOLDER, BILL FOLDER, AND POCKET CONSTRUCTION
Henry M. Herbener, Thomasville, Ga.
Application October 29, 1943, Serial No. 508,123
9 Claims. (Cl. 150—38)



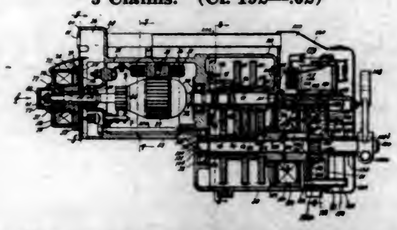
1. A folder, comprising a body portion including intermediate sides foldable upon a transverse line, a lining for the body portion including sides foldable upon a transverse line, the lining sides having longitudinal slits near their longitudinal edges, end sides carried by the intermediate sides, outer sides having transverse flaps folded upon their inner faces and secured to the end sides, the outer sides having longitudinal flaps foldable over the inner faces of the end sides and having locking tongues, the assembled end and outer sides being foldable over the inner face of the lining sides and the locking tongues being inserted in the longitudinal slits, the outer sides forming pockets with the end sides and the end sides forming pockets with the lining sides.

2,426,504
COMBINATION POCKETBOOK AND CARD CASE
Henry M. Herbener, Thomasville, Ga.
Application October 25, 1945, Serial No. 624,347
13 Claims. (Cl. 150—35)



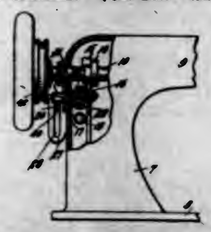
10. A pocket unit, comprising a side unit including opposed sides, lines of stitching disposed near the opposed edges of the sides, the lines of stitching including longitudinally spaced stitching sections passing through the opposed sides and connecting them, the stitching sections forming passages between the opposed sides, and a side arranged opposite one face of the side unit and provided at its opposed edges with folding tongues provided with locking tongues, the folding tongues being folded inwardly to cover the opposed edges of one side of the side unit and the locking tongues being inserted through the passages between the opposed sides of the side unit and engaging the stitching sections inwardly of such stitching sections.

2,426,505
SERVOMOTOR
Robert H. Hill, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 17, 1942, Serial No. 469,304
3 Claims. (Cl. 192—.02)



1. The combination with an electric motor, of a driven shaft; speed reducing gears driven by the motor; two discs, one anchored to the shaft, the second slidably mounted on the shaft; means anchored to the one disc and engaging the other disc to cause their concurrent rotation and permitting the second disc to slide toward and away from the first disc; means on the second disc engageable with a speed reducing gear to connect the motor with the shaft; and an electromagnet, energizable for moving the second disc away from the first and into engagement with a speed reducing gear.

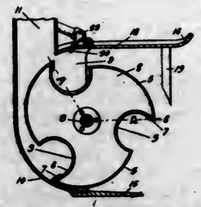
2,426,506
FEED REVERSE AND STITCH REGULATING ATTACHMENT FOR SEWING MACHINES
Max Ingwer, New York, N. Y., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application February 16, 1945, Serial No. 578,182
2 Claims. (Cl. 112—210)



1. A reverse feed and stitch regulator mechanism for a conventional sewing machine having a column in which a main shaft is journaled and which column has a bearing aperture with an axis parallel to the main shaft and a screw hole with an axis at right angles to the main shaft, said mechanism including a stud rotatably extending in through said bearing aperture and having a

head at the outer end outside the column and a guide shoe fixedly mounted on the inner end of said rotatably supported stud, a lever fixed to the head of said stud and extending radially away from the axis of said stud, a dial on the outside of the column having a segmental indicating portion in registry with said lever, a screw engaged in said screw hole over a portion of said dial for fixedly securing the latter on the column and said guide shoe fixed on the inner end of said rotatably mounted stud being free of the inner end of said screw to thereby permit stitch regulating and reversing adjustments of said lever independently of said dial mounting screw.

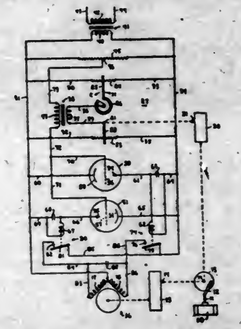
2,426,507
SNOW REMOVAL APPARATUS
Robert James Inksetter, Copetown, Ontario, Canada
Application March 23, 1945, Serial No. 584,380
1 Claim. (Cl. 37—43)



A snow removal apparatus of the character described comprising a rotatable digging member having it's axis of rotation disposed substantially transversely of the direction of movement of the apparatus and formed with a plurality of grooves in it's periphery which extend substantially parallel to the axis of the member, one face of each groove forming a digging tooth, the outer edges of the digging tooth faces of the grooves being of greater distance from the centre of rotation of the rotatable digging member than the outer edges of the non-digging faces of the grooves, a snow ejection chute extending upwardly from the rear portion of the rotatable digging member in a substantially tangential direction in relation to the rotative path of the digging member, the digging member being positioned underneath the chute, and an oil ejection nozzle positioned forwardly of the chute and so directed that oil ejected from the nozzle strikes the snow engaging faces of the rotating digging member after such faces pass from underneath the chute, and means for ejecting oil through the nozzle under pressure.

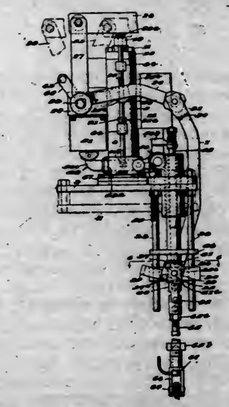
2,426,508
MODULATING CONTROL APPARATUS
Siegfried G. Isserstedt, Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 26, 1943, Serial No. 480,671
9 Claims. (Cl. 172—239)

1. A control system, comprising in combination, a pair of electrical discharge devices, each including an input circuit and an output circuit, and having a characteristic such that the output circuit is non-conductive until a potential greater than one-half the output circuit potential is applied to the input circuit, means adapted to connect the output circuits of said discharge devices in opposition across substantially the same portion of a source of alternating electrical energy, means connecting both said input circuits to a point having a potential substantially equal to the median potential of said source, a balanced electrical network connected to said source, means responsive to a condition indicative of the need for operation of said control devices for unbalancing said net-



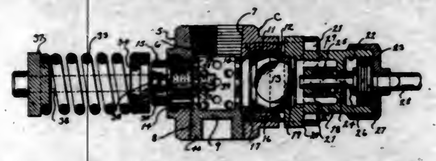
work, means connecting said network with said input circuits so as to introduce therein a potential variable in polarity in accordance with the direction of unbalance of said network, and electrical means associated with the output circuits of said devices so as to be energized selectively in accordance with the relative conductivity of said devices.

2,426,509
CONTROL MECHANISM FOR REGULATING FLOW OF FLUID PRESSURE IN HYDRAULIC SYSTEMS
Bertrand Japikse, Reiffton, Pa., assignor to Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa., a corporation of Pennsylvania
Application March 20, 1943, Serial No. 479,934
6 Claims. (Cl. 60—52)



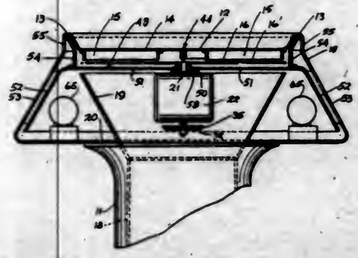
1. In a control mechanism, the combination of, fluid responsive means, linkage means for controlling a flow of fluid, said linkage means being arranged to be contacted and moved by said fluid responsive means after a predetermined travel thereof, means connected to said linkage means, said last named means comprising a notched means and a shiftable means, and a selectively controlled latch means arranged to engage said notched means or said shiftable means to thereby determine the position of said linkage means.

2,426,510
CYLINDER RELIEF COCK
Daniel Allcott Kelly, Milwaukee, Wis., assignor to Prime Manufacturing Company, Milwaukee, Wis.
Application March 22, 1945, Serial No. 584,681
2 Claims. (Cl. 121—134)



2. In an automatic cylinder cock of the type having a drain valve and a relief valve, a casing having a central chamber located between the drain valve and the relief valve, said chamber being open at its top and bottom, said open top constituting an inlet for connection with a cylinder, and a removable strainer plug detachably fitted in and closing the open bottom and having its upper end terminating at said inlet, whereby fluid entering said inlet to the drain and relief valves will pass through said strainer plug.

2,426,511
MECHANICAL ASH TRAY
Joseph Wilfrid La Pointe, Astoria, N. Y.
Application December 19, 1945, Serial No. 635,972
7 Claims. (Cl. 232—1)

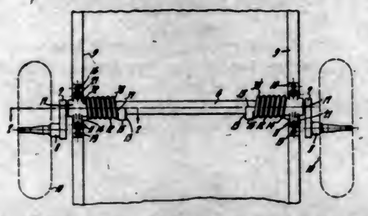


1. A mechanical ash tray, comprising a casing, a hollow cylinder with open top and bottom ends mounted on and accessible through an opening in the top of said casing, a wing shaped blade movably mounted beneath said cylinder and in certain positions closing the bottom of said cylinder and in other positions being free of said cylinder, a main collection receptacle beneath said cylinder, a stationary housing mounted beneath said wing-shaped blade and not restricting passages of ashes, cigar or cigarette stubs and the like from said cylinders to said main collection receptacle, and motor driven means mounted in said housing and connected with said blade for periodically moving said blade alternately to said positions, including an intermittent drive.

2,426,512
PROTECTIVE COATINGS
Charles B. Large, Pasadena, Maurice J. Zucrow, Altadena, and Robert L. Hirsch, Glendale, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
No Drawing. Application October 28, 1944, Serial No. 560,914
12 Claims. (Cl. 260—735)

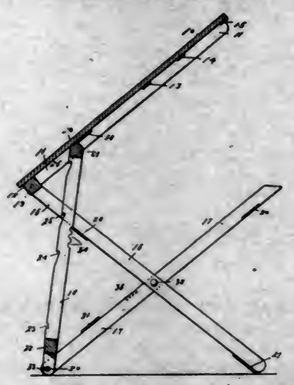
2. A lacquer comprising chlorinated natural rubber, chloropropane wax, and hexachlorobutadiene, said hexachlorobutadiene being present in an amount which lies between .5% to 10% by weight based on the total ingredients, the chloropropane wax and hexachlorobutadiene combined being present in such proportion to plasticize the chlorinated rubber, and sufficient carbon tetrachloride to make the plasticized chlorinated natural rubber fluid.

2,426,513
WHEEL SUSPENSION FOR VEHICLES
Frank F. Linn, Oakland, Calif., assignor to Linn Company, a corporation of California
Application February 25, 1947, Serial No. 730,663
15 Claims. (Cl. 267—58)



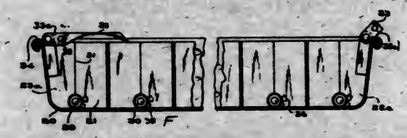
1. A wheel suspension for vehicles comprising, bearing means designed for vehicle attachment, an axle shaft journalled for rotation in said bearing means and having provision at one end thereof for attachment of a vehicle wheel on an axis of support spaced transversely from the axis of said shaft, a helical spring surrounding said shaft and having one end fixed thereto, means for anchoring the opposite spring end to said bearing means, and means on said bearing means extending into and engaging and supporting in spaced concentric relation to said shaft the adjacent convolution of said spring.

2,426,514
FOLDING TABLE
Sidney L. Long, Minneapolis, Minn.
Application November 6, 1944, Serial No. 562,157
7 Claims. (Cl. 311—83)



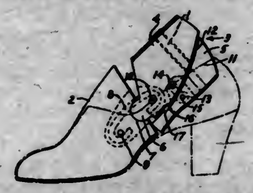
7. In a folding table, a table top, a base frame, a pair of leg frames pivotally connected at their intermediate portions, one of said leg frames being pivotally connected to one end of said table top and having separable stop engagement with said base frame and the other leg frame being pivoted to one end of said base frame and having stop engagement with the bottom of said table top, said base frame and leg frames comprising parallel pairs of bars and transverse connecting slats, the leg frame that is pivoted to said base frame being wider than the leg frame that is pivoted to said table top and said base frame being narrower than the leg frame that is pivoted to said table top, whereby said leg frames and base frame may be folded into flat formation parallel to said table top, said base frame being free to swing relative to the pairs of leg frames, said base frame being free to be turned downward, rearward and upward so that its free end will engage the bottom of the table top and support the latter in an inclined position.

2,426,515
LIQUID CONGEALING APPARATUS
Edward H. Lutz, Norwood, Pa., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application August 19, 1936, Serial No. 96,725
8 Claims. (Cl. 62—108.5)



1. In liquid congealing apparatus, the combination of a pan member, a detachable grid member embodying a longitudinal wall formed of grid sections, a plurality of substantially rigid transverse walls each individually connected to only one of said grid sections, said longitudinal and transverse walls providing division walls for dividing the pan into a plurality of cells, and pivot connections connecting said grid sections adjacent the bottom of the pan member for affording relative angular movement of the division walls after the grid member is raised from the pan member, said grid sections of the longitudinal wall abutting when in their normal position in said pan member for preventing relative angular movement in a direction upward of the ends of said longitudinal wall.

2,426,516
LAST FOR SHOES
James Edwin MacKay, Street, England, assignor to C. & J. Clark Limited, Somerset, England, a British company
Application May 14, 1945, Serial No. 593,588
In Great Britain May 10, 1944
Section 1, Public Law 690, August 8, 1946.
Patent expires May 10, 1964
8 Claims. (Cl. 12—136)



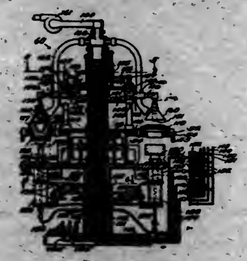
1. A shoe last comprising a front portion and a two-part rear portion hinged by its upper part to said front portion, with a plane of cleavage between the upper and lower parts of the rear portion of the last, which extends from a position below the hinge axis of the front and rear portions of the last to and through the back of the last, the upper and lower parts of the rear portion being connected by link means so as to permit said lower heel part to move forwardly relative to said upper heel part when the latter is raised relative to said front portion.

2,426,517
GUN PERFORATOR
Cullen J. McWhorter, Odessa, Tex.
Application December 26, 1944, Serial No. 569,834
19 Claims. (Cl. 164—0.5)



1. A gun perforator comprising a gun body member, a gun barrel associated with said body member, means for moving said gun barrel between a longitudinally directed and a laterally directed position with respect to the axis of said gun body member, means for feeding cartridges into said gun barrel when in its longitudinally directed position, and means for firing said cartridges as said gun barrel moves into its laterally directed position.

2,426,518
APPARATUS FOR CONDITIONING POTTERY MOLDS
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Original application January 8, 1943, Serial No. 471,704. Divided and this application August 29, 1944, Serial No. 551,671.
24 Claims. (Cl. 25—1)

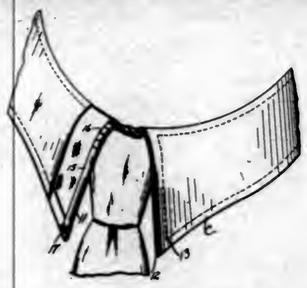


1. The combination with a mold conveying means having continuous motion in a mold conditioning zone of a mold conditioner thereabove to be driven therewith, and automatically operable means for causing said conditioner to perform a conditioning operation on a mold disposed therebelow whilst the conveying means and conditioner are in continuous motion.

2,426,519
SHIRT COLLAR SHAPING DEVICE
Max M. Newman, New York, N. Y.
Application May 10, 1946, Serial No. 668,887
13 Claims. (Cl. 2—132)

1. Collar shaping means comprising a hollow, elongated section of rigid material adapted to be

received adjacent to and shape a shirt collar edge, flexible, soft means extending from at least one end of said section, and discrete, rigid members



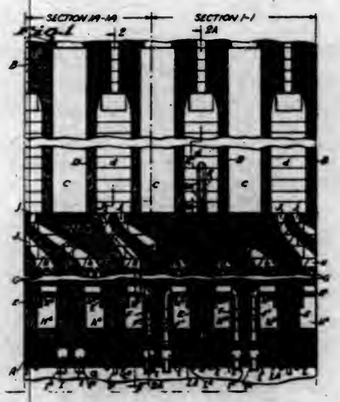
supported by the extending portion of said flexible means so as to lend a degree of rigidity thereto.

2,426,520

APPARATUS FOR PASSING AIR ADMIXED WITH RICH FUEL GAS INTO HEATING FLUES OF UNDERFIRED REGENERATIVE COKE OVENS

Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware

Application September 3, 1943, Serial No. 501,088
6 Claims. (Cl. 202—142)



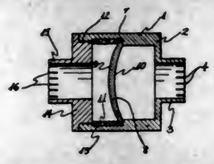
1. An underfired coke oven battery comprising a masonry structure above a basement space and formed with coking chambers, heating walls alongside the coking chambers and having vertical heating flues, and regenerators and regenerator division walls beneath and parallel to said chambers and heating walls, means for passing air into said regenerators for preheating therein comprising distribution pipes extending longitudinally of said regenerators and each connected to a corresponding regenerator at distributed points along its length, and means for passing rich fuel gas admixed with air into said flues, the last mentioned means comprising uprising gas supply channels formed in said division walls and each connected at its upper end to a corresponding flue, means for passing rich fuel gas into the lower end of each of said channels and a conduit connection for passing air into the lower end of each of said channels from an adjacent air distribution pipe.

2,426,521

LENS ATTACHMENT FOR CAMERAS

Alton B. Parker, Houston, Tex.

Application March 16, 1946, Serial No. 654,937
3 Claims. (Cl. 88—57)



1. In a device to be detachably secured in front of the lens of a camera for taking still pictures, an annular member, a lens one side of which is convex and the opposite side is concave mounted in said member, an annular gasket which abuts said lens to hold it in place, a bushing threaded into said annular member which presses said gasket against said lens, a laterally extending cylindrical portion on said bushing, an end wall on said annular member, having a central opening therethrough, a cylindrical portion which extends laterally from said end wall, means on each cylindrical portion to detachably hold said device on said camera.

2,426,522

APPARATUS FOR WINDING HELIXES

Charles Benjamin Albert Porter, Hillingdon, England, assignor to Heathway Engineering Company Limited, Hillingdon Heath, England, a company of Great Britain

Application January 10, 1945, Serial No. 572,111
In Great Britain January 17, 1944
21 Claims. (Cl. 140—71.5)



1. Apparatus of the kind specified, for winding a succession of helixes of wire onto at least one longitudinal support to form a series of electrode structures for electron discharge tubes, the apparatus including a hollow headstock spindle, a gripper for drawing a support through said spindle, means constraining said gripper and said spindle to rotate in unison, and means for moving said gripper longitudinally at a cyclically varying speed, characterised in that the last-mentioned means comprise a differential gear having two input elements, a common driving member drivably connected to both of the said input elements, the connection between one of said input elements and said driving member including speed-changing means, and means operatively connected to said driving member for cyclically changing the condition of said speed-changing means.

2,426,523

CURRENT LIMITER

Julian Rogoff, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Application January 14, 1943, Serial No. 472,423
2 Claims. (Cl. 200—113)

1. A current limiter for detachably securing a pair of conductors thereto, said current limiter comprising a metallic fuse link having two exposed ends provided with detachable engaging means, and an intermediate fusible element made of the same piece of metal as the two ends; a flame-proof enclosure secured to the fuse link, permitting the two exposed ends of the fuse link to extend therefrom; an insulating supporting means positioned adjacent the fuse link, having a securing means positioned at each end of the



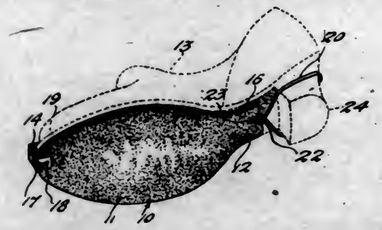
insulated supporting means for simultaneously and detachably securing a conductor and an end of the fuse link to each other and both the conductor and the fuse link to the insulating supporting means by said securing means.

2,426,524

ANTISLIP ATTACHMENT FOR SHOES

Clifford W. Rosenbarger, Indianapolis, Ind.

Application June 11, 1946, Serial No. 675,942
3 Claims. (Cl. 36—7.7)



2. An anti-slip attachment for shoes, comprising in combination, a sheet of abrasive material forming a removable sole and a shank portion integral therewith, a forwardly extending tongue formed integrally at the toe of said removable sole, a U-shaped clip, one face of said clip being notched to provide an inwardly disposed angulated detent, said removable sole being positioned adjacent the sole of a shoe, said tongue being upturned and angulated over the thickness of the shoe sole, said clip being pressed over said tongue with said detent engaging the underside of said removable sole, the rear end of said shank portion being doubled upon itself and formed with an aperture in the doubled portion, and a resilient loop secured in said aperture and removably engaging the heel of said shoe.

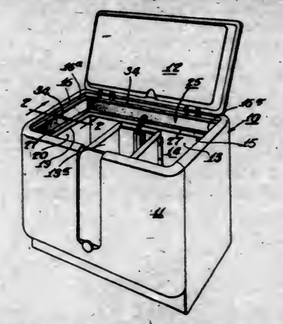
2,426,525

REFRIGERATOR CABINET

Theodore W. Rundell, Abington, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 31, 1943, Serial No. 516,475
1 Claim. (Cl. 220—15)

A top-access refrigerator comprising an outer shell having in the top thereof an access opening defined by an internally depending peripheral wall portion terminating in an inwardly extending horizontal flange portion extending completely around said access opening, a liner internally of said shell having a peripheral rim portion spaced below said horizontal flange portion of the shell, and a unitary breaker-strip coextensive with said flange portion, said breaker-strip suspending said liner from said shell and constituting the sole support for said liner, said breaker-strip having a lower peripheral edge portion secured to said liner rim portion and an upper outwardly extending horizontal peripheral flange portion arranged to overlie and be supported on the horizontal flange portion of said outer shell, said strip comprising an inner relatively rigid framing member and an outer cov-



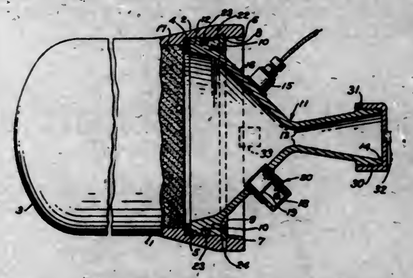
ering enclosing said framing member, said framing member and said covering being of low heat conducting capacity and said strip serving to substantially thermally isolate the liner from said shell.

2,426,526

TWO-PIECE JET THRUST MOTOR

Hans Rutishauser, Altadena, Robert C. Brumfield, Arcadia, and Fritz Zwicky, Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware

Application July 22, 1944, Serial No. 546,114
8 Claims. (Cl. 60—35.6)



1. The combination in a jet propulsion motor having a combustion chamber member and an exhaust nozzle member for exhausting gases from said chamber, means for attaching and detaching the chamber member and the nozzle member, said means comprising a flange on one member and a collar on the other member adapted to fit within the flange, a pair of retaining rings held between said collar and flange, at least one of said rings being inflammable and adapted to be burned during the combustion within the chamber.

2,426,527

CARTRIDGE BELT LINK

Roy S. Sanford and John J. Murphy, Oakville, Conn., assignors to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut

Application June 28, 1944, Serial No. 542,559
11 Claims. (Cl. 89—35)

3. A cartridge belt link adapted to cooperate with other similar links to form a disintegrating cartridge belt, said link comprising a first part having a substantially semicylindrical portion forming an internal arcuate track, a second part

having a substantially semicylindrical portion disposed in side-by-side relation to said internal track portion with the open sides of said portions facing in the same direction, one of said portions having an axially arcuate edge portion provided with an axially extending slot and the other of said portions having an axially arcuate hook portion extending from the adjacent edge thereof to fit over said arcuate edge portion with the opposed legs of said hook on opposite sides of said slot, and a pin extending between said legs of said hook and through said slot whereby said parts are secured in laterally fixed relation and are relatively tiltable by movement of said pin along said slot and are relatively twistable by rotation of said parts with said pin as an axis,



said internal track portion having a diameter substantially equal to the diameter of the semicylindrical portion of said second part and thereby being adapted to receive therein in nesting relation a portion of an adjacent link corresponding to said semicylindrical portion of said second part, said first part having means disposed in axial relation to said internal track portion for supporting a cartridge in said first part with a portion of said cartridge extending across said track portion through said nesting portion to prevent movement of said nesting portion out of said track, said nesting portion being arcuately movable in said internal track to permit longitudinal flexing of the cartridge belt.

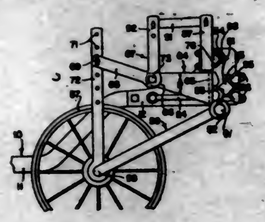
2,426,528
ASH TRAY
John J. Seme, Maple Heights, Ohio
Application November 30, 1946, Serial No. 713,291
4 Claims. (Cl. 131—242)



4. In an ash tray, a hollow housing to form an ash and butt receptacle, a pair of spaced cigarette supports each of which is pivotally connected to said housing to be swung inwardly for dumping ashes and butts into said receptacle, a single resilient means connected to said supports for normally maintaining said supports in supporting position and a single manual means connected through said resilient means and rotatable in opposite directions to selectively move either of said supports into dumping position against the normal returning action of said resilient means.

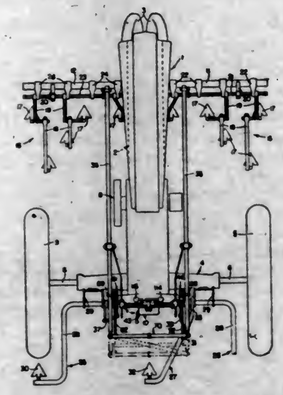
2,426,529
REVERSIBLE MOUNTABLE GAUGE WHEEL UNIT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application September 12, 1940, Serial No. 356,433. Divided and this application June 2, 1943, Serial No. 489,583
11 Claims. (Cl. 97—189)

1. In an agricultural implement, means serving as a frame, a gauge wheel axle swingably connected with said frame for disposition in either a fore or an aft position, a bracket having a generally longitudinally extending section, means for securing said bracket to said frame means in two optional positions, one with said section extending forwardly and the other with said section



extending rearwardly, corresponding to the disposition of said swingable gauge wheel axle, and means carried at the outer end of said section and operatively connected with the outer end of said gauge wheel axle for raising and lowering said gauge wheel.

2,426,530
POWER LIFT
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Continuation of application Serial No. 443,993, May 21, 1942. This application October 2, 1944, Serial No. 556,850
10 Claims. (Cl. 97—50)



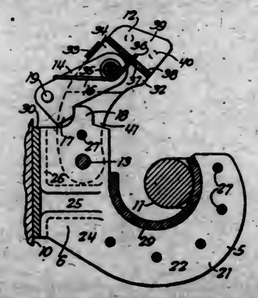
1. A two-row tractor cultivator comprising laterally spaced tools for cultivating two crop rows, means connecting said cultivating tools to said tractor for independent movement relative to each other, means connected with each tool for raising the same, a single power lift unit mounted on and deriving operating energy from the tractor, means serving as a lever connected at a midpoint with said power lift unit to be actuated thereby, means swingably connecting one outer portion of said lever means with one of said tool-raising means, means swingably connecting the opposite outer portion of said lever means with the other of said tool-raising means, and releasable holding means carried by said tractor for holding either of said tools against movement, whereby the operation of said power lift reacts through said lever means against the holding means for one tool for raising the other tool.

2,426,531
WALL CLEANER
Orville Stevason, Indianapolis, Ind.
Application June 4, 1945, Serial No. 597,517
1 Claim. (Cl. 15—219)



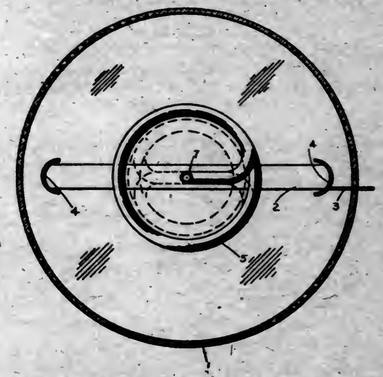
A wall cleaning device for use in wiping a plastic, dough-like cleaner over a wall, comprising a cleaner containing box, rectangular in both horizontal and vertical sections, and entirely open across its top side, said opening being of an elongated nature; a floor slidingly fitted within the box; an open mesh, flexible textile fabric laid across said opening and extending by end portions down therefrom on opposite longitudinal sides of said box; securing means anchoring said end portion to maintain the fabric across the opening; and means for shifting said floor toward said opening to urge said cleaner against said fabric to bulge it outwardly into longitudinal convex shape to shape said cleaner accordingly, said cleaner being extruded through the fabric in discrete strings separated both longitudinally and laterally of said opening, whereby said strings may break off into separate crumbs upon wiping action across a wall.

2,426,532
PINTLE HOOK FOR COUPLING DEVICES
William J. Tierney, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application August 3, 1944, Serial No. 547,921
31 Claims. (Cl. 280—33.15)



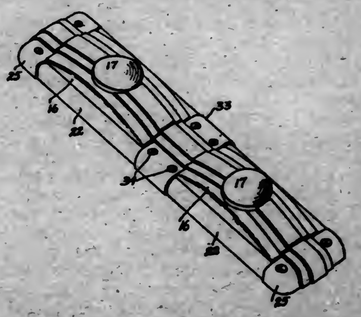
1. In a coupler device suitable for vehicle towing purposes, the combination with a stationary substantially semi-circular hook having an attaching shank portion rigid with and extending from one end thereof and having a projection thereon, a closure element for the hook pivoted on said shank portion, and a latch pivoted on the closure element and having a projection arranged to engage selectively on either side of the first named projection to lock said closure element selectively in either closed or open position relative to said hook.

2,426,533
CATHODE-RAY STEAM GENERATOR
Francis M. Tompkins, St. Paul, Minn.
Application April 5, 1945, Serial No. 586,783
3 Claims. (Cl. 219—39)



1. A cathode ray water heater, comprising a glass container having a substantial vacuum, a plate mounted in said container transversely thereof, an electrical connection at one end of said plate, a plurality of vertically disposed, relatively spaced and diametrically opposed cathodes having curved cross sections to focus rays on a predetermined point, electric connections leading into the container, and a water and steam coil in the container having an inlet and an outlet, a preheater coil without the container within the inlet pipe, the water and steam coil being between the cathode units at the focal point of the cathode rays.

2,426,534
DECORATIVE LIGHT AND ASSEMBLY FOR VEHICLES
Wagn Trautner, Hamilton, Ohio, assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y., a corporation of Maryland
Application May 24, 1944, Serial No. 537,106
7 Claims. (Cl. 240—7.35)



1. In an illumination element, a pressed metal base of elongated rectangular form having raised,

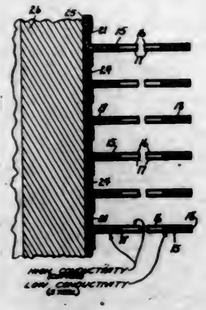
curved marginal portions, a depressed platform portion located inwardly of the marginal portions, and a central further depressed portion for housing an incandescent bulb, a lens element shaped to cover said bulb and having peripheral portions for engagement with said platform, and means for holding said lens to said base, said means comprising slotted engagement elements slidably mounted on said base for movement toward and away from said lens, said lens having lips at its ends, and said slotted elements having portions which in one position will engage over said lips to retain said lens.

2,426,535
INFUSION AND BIOPSY NEEDLE
Henry Turkel, Detroit, Mich.
Application October 21, 1944, Serial No. 559,739
1 Claim. (Cl. 128—2)



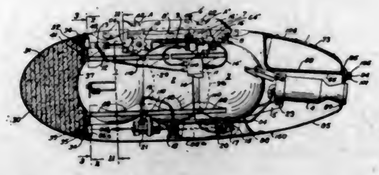
An infusion and biopsy instrument comprising a hollow shaft, cutting means on the end thereof, an inwardly converging interior adjacent said cutting means, and a plurality of tissue retaining means pivotally mounted within said shaft adjacent said converging interior.

2,426,536
LAMINATED HEAT-EXCHANGE FIN
Raimund G. Vanderweil, Woodbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application July 7, 1944, Serial No. 543,881
3 Claims. (Cl. 257—261)



1. A laminated heat-exchange fin, including in combination: a ring-like skeletonized supporting-plate formed of sheet material of relatively-high strength and relatively-low heat-conductivity as compared to the material of the hereinafter-mentioned ring-like heat-transfer plate, the said skeletonized supporting-plate having a plurality of perforations extending therethrough from face to face and having substantially the same extent and internal and external shape as the latter; and a ring-like heat-transfer plate secured to one face of the said ring-like skeletonized supporting-plate and extending over the perforations therein, the said heat-transfer plate being provided at its inner perimeter with a substantially-perpendicular flange extending into the interior opening of the ring-like supporting-plate in close proximity to the inner periphery thereof and having its inner face exposed for direct heat-transfer engagement with the wall of an engine-cylinder or the like, the said ring-like heat-transfer plate and its said flange being formed of sheet material of relatively-low strength and relatively-high heat-conductivity as compared to the material constituting the aforesaid ring-like skeletonized supporting-plate; whereby the inner peripheral portion of the said supporting-plate serves to retain the flange of the heat-transfer plate against the wall of a cylinder or the like.

2,426,537
JET THRUST MOTOR
William E. Van Dorn, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application March 10, 1944, Serial No. 525,849
4 Claims. (Cl. 60—35.6)



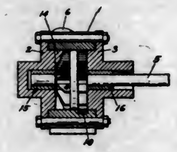
1. A thrust motor unit comprising liquid propellant tanks rigidly attached together, a thrust motor having an exhaust nozzle and rigidly attached to said tanks, a streamlined hull enclosing said tanks and motor, said hull having a nose portion and a streamlined tail portion, the tail portion being provided with inwardly protruding supports for positioning said tail portion around the tanks and motor, and an opening at the rear of said tail through which said nozzle protrudes.

2,426,538
SLING AND END FITTING THEREFOR
Frederick W. von Wehrden, St. Louis County, Mo., assignor to Broderick & Bascom Rope Company, St. Louis, Mo., a corporation of Missouri
Application September 28, 1944, Serial No. 556,277
10 Claims. (Cl. 287—81)



1. In combination, a rope, and an end fitting therefor, said end fitting comprising a plurality of thimbles rigidly connected together in spaced relation, said rope terminating at one end in a plurality of loops, each positioned about one of said thimbles.

2,426,539
COMPOUND ROTARY PUMP
Adolph Wahle, Davenport, Iowa, assignor of one-half to W. H. Martin, Davenport, Iowa
Application August 21, 1945, Serial No. 611,863
9 Claims. (Cl. 103—5)

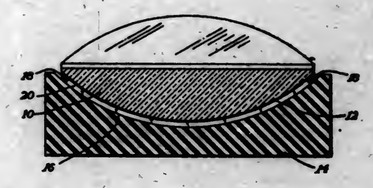


2. A pump of the type indicated comprising a casing and a rotor rotatably mounted therein, the casing having an inlet and an outlet in its peripheral wall and heads in its opposite ends, the head in the inlet end having a stop projecting inwardly into proximity to the rotor and occupying substantially the entire space between the rotor and the head corresponding to a limited part of the internal peripheral surface of the casing at the inlet end of the casing, the inlet and outlet openings being staggered both longitudinally and transversely of the casing, the stop being located adjacent the inlet, the internal peripheral wall of the casing having a channel of decreasing cross-section extending from the inlet opening forwardly in the direction of rotation of the rotor, there being in the internal peripheral wall of the casing a channel of increasing cross-section leading to the outlet opening, the rotor having a divider web integral with its hub transversely thereof and extending outwardly into close proximity to the casing wall, the web dividing the casing cavity into unequal compartments, the web having openings therethrough connecting said compartments, the rotor having blades extending outwardly substantially radially, the blades being located between the openings through the web.

2,426,540
PROCESS OF PRODUCING HYDROCARBON OIL CONCENTRATES OF BARIUM SULFONATES
Franklin M. Watkins, Chicago, Ill., and Theodore A. Hack, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 6, 1945, Serial No. 597,970
5 Claims. (Cl. 260—504)

1. A process for producing petroleum oil concentrates of barium sulfonates which comprises agitating for a period not exceeding about 30 minutes a sulfuric acid-treated Mid-Continent crude base distillate at a temperature between 50° F. and 135° F. with anhydrous barium hydroxide having a particle size of not substantially coarser than about 100 mesh, the barium hydroxide being employed in substantial excess as determined by the acid number of the oil, adding to and intimately admixing with the mixture of oil and barium hydroxide from 2.2 to 7% of water, allowing the aqueous mixture to settle until formation of two layers occurs, the mixing period following addition of the water having been of a duration insufficient to result in the formation of a homogeneous reaction mixture, and separating the lower layer, having a relatively high concentration of barium sulfonates, from the upper layer, having a relatively low concentration of barium sulfonates.

2,426,541
METHOD OF REDUCING REFLECTION FROM CURVED GLASS SURFACES
Ferd E. Williams, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1944, Serial No. 533,121
11 Claims. (Cl. 41—42)



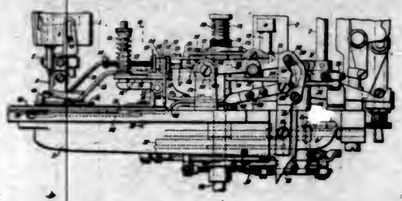
1. In the method of treating curved glass to procure a uniform reduction in the reflection of light from a surface thereof, the steps which include bringing said glass surface and a curved sorbent surface of plastic material conforming in shape to said glass surface into closely spaced relation with each other, said sorbent surface having sorbed therein a reagent which in a vaporous state is capable of skeletonizing a surface layer of the glass, and which emanates from said sorbent surface onto said glass surface, and removing said glass after the vapor of said reagent has produced a reflection reducing film on the surface of said glass.

2,426,542
CIGARETTE SMOKING PIPE
Earl L. Wilson, Los Angeles, Calif.
Application July 5, 1945, Serial No. 603,357
4 Claims. (Cl. 131—175)



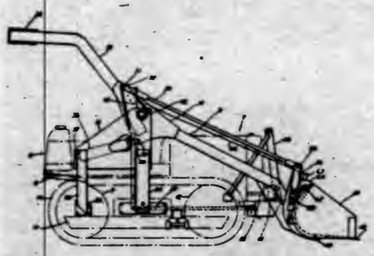
1. A cigarette smoking pipe comprising a bowl having a stem extending therefrom, a tubular coupling fitting within said stem and having a threaded portion projecting from the rear end of the stem, the coupling being formed internally with longitudinally extending grooves, a holder in said stem having a collar at its front end for abutting the front end of the coupling and bars extending rearwardly from the collar and engaged in the longitudinally extending grooves formed in the coupling, a sleeve overlapped by rear ends of said bars, a ring extending about said sleeve and engaged by rear ends of said bars, said coupling being formed internally with an annular shoulder for engagement by said ring to limit forward movement of the holder through the coupling, a perforated disc carried by said bars intermediate their ends for engagement by the end of a cigarette thrust into the holder through said collar, a mouth piece having its front end screwed upon the threaded rear portion of said coupling, and a filter extending longitudinally in the bore of the mouth piece and having its front end engaged in the bore of said sleeve.

2,426,543
THREAD-CUTTING MECHANISM FOR SEWING MACHINES
Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 21, 1945, Serial No. 611,723
14 Claims. (Cl. 112—252)



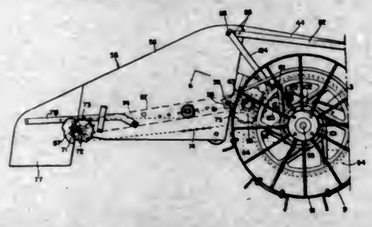
1. In a group-stitch sewing machine, in combination, stitch-forming mechanism, a traveling work-clamp, a needle-thread-cutting and -nipping device, actuating means therefor including a reciprocatory element supported by and normally partaking of the movements of the work-clamp, a first means comprising a cam-actuated linkage adapted for engagement with said reciprocatory element and effective for opening and then closing said thread-cutting and -nipping device to release and then retrim the beginning end of the needle-thread, a second means comprising another cam-actuated linkage adapted for engagement with said reciprocating element and effective for reopening said thread-cutting and -nipping device preparatory to its final nipping and cutting action, and means for effecting a final closing of said thread-cutting and -nipping device to nip and sever the needle-thread at the completion of the sewing operation.

2,426,544
VEHICLE MOUNTED LOADER
Mack Wooldridge, Oakland, Calif., assignor to American Tractor Equipment Corporation, a corporation of California
Application July 16, 1945, Serial No. 605,279
2 Claims. (Cl. 214—140)



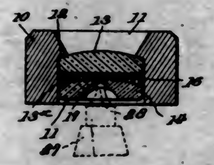
1. A tractor having a main frame and a pair of parallel track frames along two sides thereof, a support frame positioned over each track frame, means supporting each support frame from a track frame and substantially independent of the main frame, a tool comprising a scoop-like bucket having a cutting tool along its forward edge, a first and a second arm each engaged at one end with said tool and extending to the rear of said tractor and being hingedly supported on a support frame at a point intermediate the ends of the arm, a counter-weight at the other end of the first and second arms, and a third arm and a fourth arm each hinged at one end on a support frame and extending forwardly above said first and said second arm, and means connecting the other end of said third and fourth arms to said tool and including a link extending from each of said third arm end and said fourth arm end to the cooperatively adjacent end of said first and said second arms to provide a parallelogram linkage support for said tool, means for moving said links to raise and lower the tool in substantially the same position of adjustment, means supporting said bucket for rotation on the forward ends of said first and said second arms about a pivotal axis extending transversely across said bucket about midway thereof, and spring snubber means for resisting rotation of said bucket and biasing it toward a loading position.

2,426,545
POTATO DIGGER AND CLUTCH THEREFOR
Austin E. Young, Syracuse, N. Y., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y., a corporation of New York
Application April 26, 1945, Serial No. 590,341
4 Claims. (Cl. 55—51)



1. A potato digger comprising means serving as a main frame and carrying a potato chain, ground wheels supporting said frame means, a vertically swingable rear rack pivoted to the rear portion of said frame and including upwardly disposed sides, an adjusting lever swingably mounted on said main frame means and link connected with the upper portions of the sides of said rear rack, whereby movement of said adjusting lever raises and lowers said rack, disconnect clutch means for controlling the drive between said ground wheels and said potato chain, and links extending from the upper portions of said rack sides to said disconnect clutch for operating the latter.

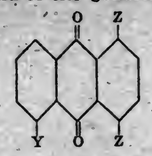
2,426,546
ART OF MAKING JEWEL BEARINGS
Thomas L. Boswell, Elgin, Ill., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application January 12, 1944, Serial No. 518,018
1 Claim. (Cl. 308—1)



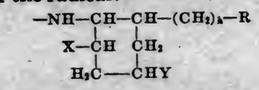
The method of forming a lubricated jewel bearing assembly having a sealed lubricating chamber radially outside the bearing zone, which consists of evacuating gases from said chamber and then relieving the vacuum therein by a liquid lubricant material, whereby the lubricant thereafter is subjected to gas pressure only at its exposed area at the bearing zone.

2,426,547
ANTHRAQUINONE DYESTUFFS
Gerard Dunstan Buckley and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 29, 1944. Serial No. 528,625. In Great Britain April 12, 1943
4 Claims. (Cl. 260—373)

1. The sulfonic acid derivatives of the anthraquinone compound of the general fromula:

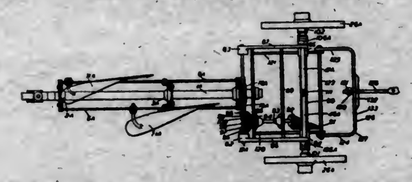


in which Y stands for a substituent of the group consisting of —H and —OH and Z in each case stands for the radical:



wherein R represents an aromatic radical containing a single benzene nucleus and X and Y stand for a substituent of the group consisting of —H and —CH_3, and n stands for a whole number from 1 to 3.

2,426,548
PLOUGH
Leslie John Edward Capon, East Taphouse, and John Carne, East Taphouse, near Liskeard, England; said Carne assignor to said Capon
Application February 9, 1944, Serial No. 521,678
In Great Britain November 13, 1942
14 Claims. (Cl. 97—26)

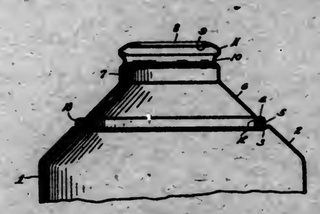


1. A plough structure, including in combination a bearer arranged longitudinally of the plough, a travelling wheel carried at and adapted to support the rear end of said bearer at a predetermined fixed height above the ground, transversely spaced supporting means carried at the front end of said bearer, an axle-supporting frame pivotally carried by said supporting means, a front axle turnably supported by said axle-supporting frame, transversely spaced road wheels turnably carried by said axle, means for swinging said frame about said supporting means so as to raise and lower the front end of said bearer, plough beam supporting members turnably mounted upon said bearer and spaced thereon in the longitudinal direction between the front and rear ends of said bearer, plough beams interconnecting said supporting members and arranged on opposite sides of the rotational axis thereof, at least one plough share and its cooperating parts carried by one of said beams on each side of the latter, at least one plough share and its cooperating parts carried by the other beam on each side of the latter, and spaced from said first mentioned plough shares in the longitudinal direction, a worm wheel fixed to the foremost of said beam supporting members, a worm shaft turnably supported by said transversely spaced supporting means, a worm fixed to said worm shaft, said worm being in permanent engagement with said worm wheel, a driving transmission between said road wheels and said worm shaft, said transmission including clutch means on said worm shaft and means for shifting said clutch means from neutral to operative positions, whereby the worm shaft, said worm, and said beams may be rotated in either direction to cause those plough shares which are on one side of said beams and are engaged in the ground to be swung out of the ground, and those plough shares which are on the opposite side of said beams and are not engaged in the ground to swing into the ground and whereby it is only necessary to swing the operative plough shares out of the ground and unnecessary to lift the plough as a whole at the end of the field in order to turn it in readiness to plough fresh furrows.

2,426,549
LUBRICANT COMPOSITION
Walter J. Coppock, Ridley Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application September 10, 1943, Serial No. 501,847
1 Claim. (Cl. 252—52)

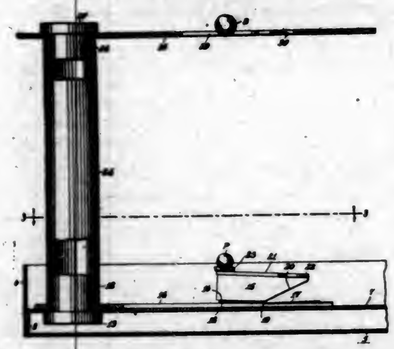
A mineral oil lubricant composition containing a small proportion of thymol effective to substantially inhibit oxidation and a small rust-preventive proportion of a substance comprising a substituted 1,2-dihydroxy-benzene having as the substituent a saturated aliphatic hydrocarbon group attached to the benzene ring in the para position and containing 4–12 carbon atoms.

2,426,550
BEVERAGE CAN
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 26, 1945, Serial No. 584,819
2 Claims. (Cl. 220—1)



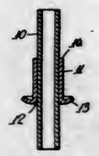
2. A metal can comprising a body having an inwardly extending cone-shaped portion at the upper end thereof, and a neck having a depending cone-shaped portion at the lower end thereof, said cone-shaped portions being formed on substantially the same angle, said cone-shaped portion on the body being bent upwardly, thence outwardly, thence downwardly to provide an inner seaming hook, said cone-shaped portion on the neck being bent back upon itself, thence outwardly, downwardly, inwardly and upwardly to provide an outer seaming hook adapted to engage the inner seaming hook, the seaming hooks and the parts carrying the same being in intimate contact with each other, said cone-shaped portion of the body being bent upwardly into contact with the base of the outer seaming hook and around said base sufficiently so as to prevent the seaming hooks from unfolding due to internal pressure on the walls adjacent the seam.

2,426,551
AERIAL PROJECTILE GAME
Arthur Frisch, New York, N. Y.
Application October 18, 1943, Serial No. 506,731
5 Claims. (Cl. 273—95)



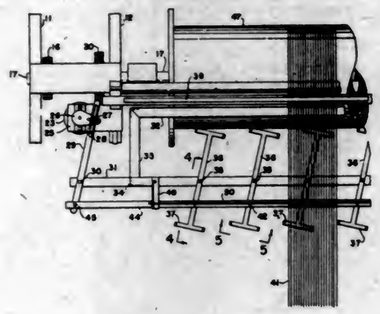
4. A game comprising a playing field base having a plurality of spaced apart objectives thereon, a vertical support fixed to the base at one end thereof, a catapult radially positioned on the base in spaced relation from said support and pivotally mounted between its ends, projectile marble supporting means on the inner end of said catapult, and a disc rotatably mounted on the support in an elevated position about the base, said disc having a plurality of radially disposed bomb marble runways and an opening at the end of each runway at approximately the same radial distance from the support as the outer end of said catapult and through which the bomb marble is directed from the runway to operate the catapult and to project the projectile marble thereon toward a selected objective on the playing field.

2,426,552
MEANS FOR SECURING TERMINALS TO PLATES
Arthur Lawrence Ge Wertz, Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application January 4, 1945, Serial No. 571,227
3 Claims. (Cl. 248—56)



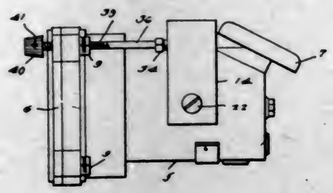
1. A connector for attachment to an apertured wall section comprising a body section having a cylindrical portion, a shoulder extending circumferentially about the cylindrical portion, and a circumferentially extending portion in non-movable relationship to the cylindrical portion having a diameter sufficient to enable the connector to be fitted into an aperture of a wall section as a unit and being bendable to permit it to be forced in a plane transversely to the longitudinal axis of the cylindrical portion for supporting the cylindrical portion rigidly in position on the wall section.

2,426,553
WARP STRUMMING APPARATUS
Bub A. Hagler, Charlotte, N. C.
Application October 29, 1946, Serial No. 706,476
4 Claims. (Cl. 28—32)



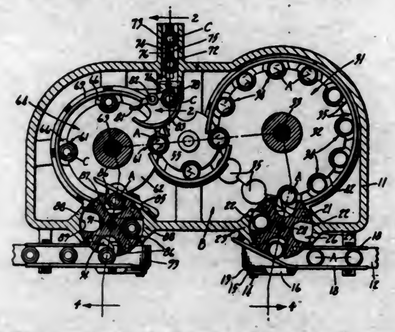
1. Apparatus for strumming a sheet of warp as it travels to a warp beam in a beamer comprising a framework disposed below the sheet of warp, and having a plurality of members mounted for pivotal movement intermediate their ends, and having at each end thereof upwardly projecting resilient fingers for penetrating the warp, means driven by the beamer for imparting oscillatory movement to said members in a horizontal plane to progressively engage various ones of the warp threads for imparting a strumming action thereto.

2,426,554
ADJUSTING DEVICE FOR TURN AND BANK INDICATORS
Walker A. Howren, Jr., Norfolk, Va.
Application October 16, 1944, Serial No. 558,933
4 Claims. (Cl. 74—5)



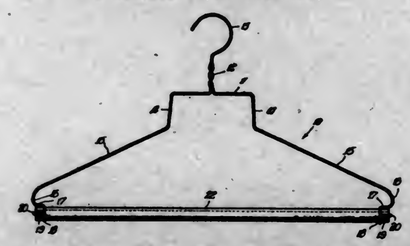
1. A device for controlling the admission of air to the casing of a conventional rate-of-turn and bank indicator to vary the speed of the gyroscope rotor of the latter, comprising a valve block having a concave face to fit against a side of the indicator casing and provided with an air inlet bore, means to place said bore in communication with the interior of said casing including a bolt having an air passage, said bolt passing through the valve block and being adapted to be threaded through said casing to secure the valve block to the latter, and a valve rod operable for controlling the admission of outside air into said air inlet bore, said valve rod being adapted to be arranged beside and to project at the front of the indicator casing for convenient operation thereof when the device is applied to the indicator.

2,426,555
METHOD OF FILLING AND SEALING CONTAINERS
Samuel S. Jacobs, San Mateo, and Stellan Birkland, San Francisco, Calif., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 10, 1941, Serial No. 397,476
2 Claims. (Cl. 226—75)



1. The method of vacuum filling and vacuum sealing containers under respectively different degrees of vacuum in the same overall vacuum chamber, which comprises the steps of introducing a plurality of unsealed containers in continuous procession into said chamber wherein a substantially constant partial vacuum is continuously maintained, which vacuum is not appreciably disturbed by said continuous introduction of containers, temporarily sealing from said chamber the interior of each container thus introduced while its exterior is exposed to said partial vacuum maintained in said chamber, increasing the vacuum in the interior of each of said containers, then filling each container while the container interior is thus temporarily sealed from said chamber, then substantially equalizing the vacuum within each container with that in the chamber, then hermetically sealing each container in said chamber while under said partial vacuum, and finally discharging said hermetically sealed containers in continuous procession from said chamber without appreciably disturbing said partial vacuum within said chamber.

2,426,556
GARMENT HANGER
William R. Kohl, Glenview, Ill.
Application May 7, 1945, Serial No. 592,482
3 Claims. (Cl. 223—88)



1. A garment hanger of the type described including a wire yoke having a suspending member and a pair of opposite downwardly diverging, coplanar arms, said arms terminating at the lower ends thereof in inwardly disposed coplanar legs of substantial length, said legs being shaped in planes normal to the plane of said arms to provide radially opening, generally circular strut receiving bights of between 180° and 360° arcuate extent, portions of substantial length connected to said bights being disposed reversely of said legs and terminating in end abutments disposed transversely of said last named plane, which abutments are spaced axially outwardly of said bights, and an elongated strut frictionally receivable in said bights in engagement with said abutments and prevented by said engagement from undesired displacement relative to the yoke, said legs and portions being adapted to have frictional contact with said strut along a substantial portion of their length upon insertion of the strut in said bights.

2,426,557
POROUS SODIUM FLUORIDE PELLET AND PROCESS FOR MAKING SAME
Kenneth E. Long, South Euclid, and Harold W. Cromer, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application September 19, 1944, Serial No. 554,854
5 Claims. (Cl. 23—88)

1. A porous, mechanically strong, sodium fluoride pellet of a size too large to pass through a 35 mesh screen having a mass approximating that of the sodium content plus half of the fluorine content of a compacted, mechanically strong, sodium bifluoride pellet of the same volume.

5. A process of making a porous body of sodium fluoride comprising forming a compact pellet of $NaHF_2$ and heating the same in a temperature range from 300° C. to 500° C. until the composition approximates NaF.

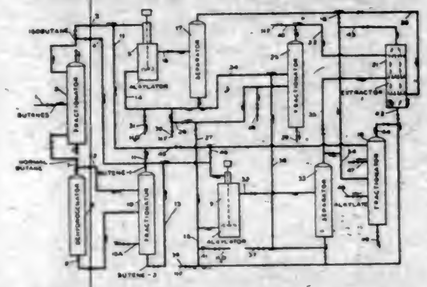
2,426,558
PROCESS FOR REMOVAL OF HYDROGEN FLUORIDE FROM NONAQUEOUS FLUIDS AND POROUS BODY FOR USE IN SUCH PROCESS
Kenneth E. Long, South Euclid, and Harold W. Cromer, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Original application September 19, 1944, Serial No. 554,854. Divided and this application June 2, 1945, Serial No. 597,378
3 Claims. (Cl. 23—2)

1. A process for removing HF from a fluid containing the same which comprises absorbing said HF in pellets of sodium fluoride at a temperature from 85° C. to 200° C., said pellets being mechanically strong bodies of a size too large to pass through a 35-mesh screen, and having an apparent density from 1.3 to 1.5 grams per cubic centimeter, neglecting the weight of HF contained therein.

2,426,559
ALKYLATION OF ISOPARAFFINS BY MEANS OF NORMAL OLEFINS IN THE PRESENCE OF HYDROFLUORIC ACID
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 21, 1944, Serial No. 550,447
2 Claims. (Cl. 260—683.4)

1. In a process for the alkylation of isobutane with butenes comprising normal butenes in the presence of a concentrated hydrofluoric acid catalyst, the improvement which comprises maintaining in said hydrofluoric acid catalyst a content of a water in weight per cent of hydrogen

fluoride present within a range, the approximate lower limit of which range is determined by 4 times the mol fraction of butene-1 of the total of the butenes plus 2 times the mol fraction of bu-



tene-2 of the total of the butenes and the approximate upper limit of which range is determined by 6 times the mol fraction of butene-1 of the total of the butenes plus 4 times the mol fraction of butene-2 of the total of the butenes.

2,426,560

COPOLYMERS OF FLUORO-1,3-BUTADIENE AND AN ALKENYLETHINYL CARBINOL

Walter E. Mochel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 18, 1944, Serial No. 531,641

4 Claims. (Cl. 260—9.2)

1. A synthetic rubber-like material, being a copolymer containing from 85% to 97% of a fluoro-1,3-butadiene and from 15% to 3% of a [(1-alken-2-yl) ethinyl] carbinol.

2,426,561

PROCESS FOR PRODUCING ABSORBENT CELLULOSIC MATERIAL

David M. Musser, Orange, N. J., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts

No Drawing. Application December 18, 1944, Serial No. 568,787

4 Claims. (Cl. 8—120)

1. A method for enhancing the rate of absorbency and rate of drying of cellulosic textile material which comprises treating the material under steam pressure at a temperature above the boiling point of water in an alkaline aqueous solution containing an alkali metal hydroxide and an amount not more than about 5% of the weight of the cellulose of an alkyl phosphate in which the alkyl group contains more than 3 and less than 7 carbon atoms, to etherify the cellulose to such an extent that the degree of substitution of the cellulose molecule does not exceed 0.1.

2,426,562

BOXCAR UNLOADER

Henry G. Onstad, Chicago, Ill.

Application June 7, 1945, Serial No. 598,037

1 Claim. (Cl. 214—44)

In an unloading apparatus, an unloader comprising a housing, caster wheels supporting said housing, an endless conveyor in said housing having flights arranged to bear upon the surface on which the unloader is driven, said conveyor functioning to propel the unloader and to convey materials to an end thereof, a motor mounted in said housing, drive connections between said motor and conveyor, snatch blocks attached to the opposite side walls of a vehicle in which the unloader is being used, steering cables attached to



the unloader and trained over said snatch blocks, and winches for the cables for controlling the speed of the unloader and for restraining the traveling movement thereof.

2,426,563

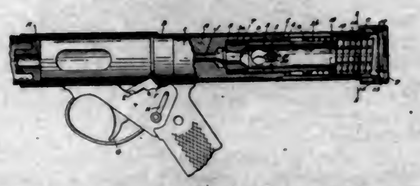
RECOIL MECHANISM FOR AUTOMATIC FIREARMS

George William Patchett, Chigwell, England

Application October 5, 1944, Serial No. 557,293

In Great Britain April 1, 1943

1 Claim. (Cl. 89—198)



In an automatic firearm, the combination of a reciprocatory breech bolt, a recoil spring therefor, a friction brake in telescopic relation with the bolt and engageable frictionally therewith during the recoil thereof, and means for imparting relative rotation between said bolt and friction brake during reciprocation of said bolt.

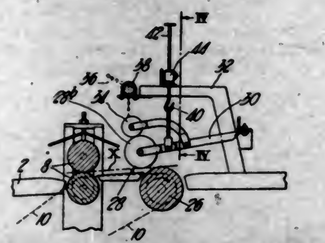
2,426,564

SHEET PRINTING DEVICE

William J. Peterson, McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application February 25, 1944, Serial No. 523,870

5 Claims. (Cl. 101—37)



1. A sheet printing device comprising a feed roll, a driven roll horizontally spaced from said feed roll, means for driving said rolls, and a printing roll having its axis above the top of said rolls in a vertical plane between the axes of said rolls, the distance between the bottom of the printing roll and the top of the driven roll being slight so that the sheet being fed first strikes the driven roll and then is raised into contact with said printing roll by continued rotation of the driven roll.

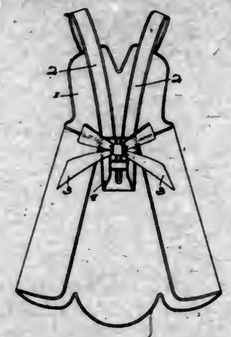
2,426,565

GARMENT

Ada Quinn, Ogden, Utah; Robert N. Quinn, executor of said Ada Quinn, deceased, assignor to Quinn Garment Company, Ogden, Utah, a partnership composed of Robert N. Quinn and Horace A. Quinn

Application June 21, 1944, Serial No. 541,397

16 Claims. (Cl. 2—52)



1. A garment of the class described having tie strings adjacent the waist of the wearer, shoulder supporting means, and a depending back section comprising a loop member to which said tie strings are adapted to be secured, said loop member comprising an inner fold adjacent the body of the wearer and an outer fold attached to the inner fold at its top and bottom edges only, said outer fold being of substantially the same width as the inner fold at its bottom edge but tapering upwardly to a substantially narrower top edge, and a separate piece of material secured to said loop member and forming a substantially rectangularly shaped strip of substantial vertical extent which extends transversely across said outer fold adjacent its central section and divides said outer fold into upper and lower loop portions for said tie strings above and below said strip and spaced apart by the vertical extent of said strip.

2,426,566

LIVE CENTER TOOL

Erich E. Reinsch, Chicago, Ill.

Application April 19, 1945, Serial No. 589,196

2 Claims. (Cl. 82—33)



1. In a compensating center, the combination of a stationary support, a chamber formed in the forward end thereof, an axial bore formed in the central portion thereof, a live center pin located in said chamber and extending into said bore, a stationary bearing in said chamber supporting said pin, a lock collar located on said pin, a ball-bearing located at the end of said pin, a bearing plate in contact with said ball-bearing, a spring located in said bore and in pressing contact with said plate, and means for lubricating the stationary bearing and all moving parts.

2,426,567

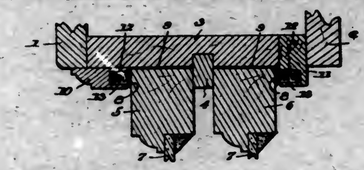
WEATHER STRIPPING AND SASH CONTROL

Joseph M. Snider, Princeton, W. Va.

Application December 23, 1944, Serial No. 569,538

7 Claims. (Cl. 20—54)

1. In a window frame including a jamb, inner and outer stops, a parting strip, upper and lower sashes guided by said parting strip, and adapted to slide in said frame, a weather strip of angular shape extending from top to bottom of said frame and loosely and freely mounted therein, one face of said weather strip being frictionally held between the jamb and the sash, while the other



face of said weather strip is frictionally held between the stop and a sash, coiled springs engaging said weather strip, and projecting the same inwardly and thereby forming a tight joint between the weather strip and the cash and the stop and the sash, from top to bottom of said frame.

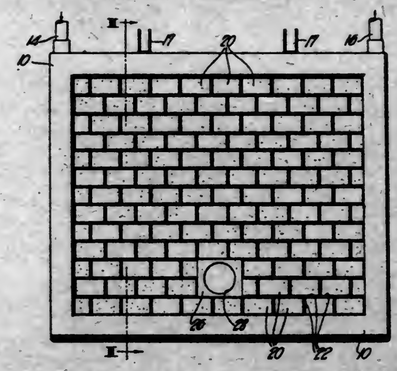
2,426,568

FURNACE DOOR

Arthur Sontz, Chicago, Ill.

Application March 7, 1944, Serial No. 525,469

2 Claims. (Cl. 110—173)



1. A metal furnace door comprising a body portion having a face which is adapted to be disposed over a furnace door opening, a multiplicity of separately preformed refractory bricks disposed upon and covering said face, each surrounded on four faces by an individual unitary sheet metal sleeve having the edges at one end thereof tack welded to said face of the body of the door by a series of spaced welded joints of restricted areas to individually anchor the inner edges of the sleeve to the door, the arrangement being such that there are two thicknesses of sheet sleeve metal between all adjacent bricks, the metal sleeve surrounding each brick being in contact with the metal sleeves of the bricks adjacent thereto.

2,426,569

COIL TILTER

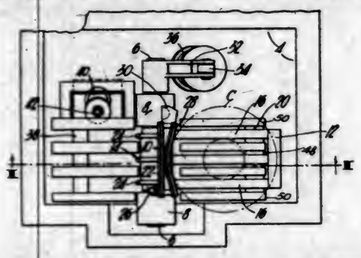
Edward B. Stewart, Gary, Ind.

Application July 19, 1945, Serial No. 605,995

3 Claims. (Cl. 214—130)

1. A coil down tilter comprising a pivotally mounted L-shaped support, said support having a normally substantially horizontal leg for supporting a coil with its axis perpendicular thereto and a normally substantially vertical leg, said horizontal leg having openings therein, a stationary coil support extending upwardly through said openings above the top of said normally hori-

zontal leg, a cradle pivotally mounted on said vertical leg, means for rotating the support about its pivot to move the normally horizontal leg to a vertical position and the normally vertical leg to



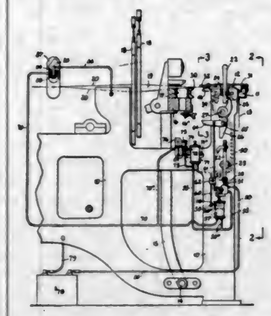
a horizontal position, said movement tilting the coil from a vertical position on the normally horizontal leg to a horizontal position on the cradle, and means for rotating the cradle about its pivot to discharge the coil from the tilter.

2,426,570

THIN PLACE DETECTOR FOR LOOMS

Arthur S. Thomas, Nashville, Tenn.

Application April 8, 1946, Serial No. 660,395
10 Claims. (Cl. 139—348)



1. In a thin place detector for looms, a metallic plate mounted on one side of the cloth, a plurality of spring pressed fingers mounted on the other side of the cloth and being held out of contact with the plate by the passage of cloth therebetween, but being adapted to contact the plate when a thin place occurs in the cloth, a circuit leading from the spring pressed fingers, a pair of magnets in said circuit, one of the magnets when energized operating a counter mechanism and the other magnet when energized, moving a dagger, said loom having a layer provided with a bunter which is adapted to engage the dagger when moved by its associated magnet to move the shipper lever from operating position; and spring means for moving the shipper lever when released to non-operating position to stop the loom.

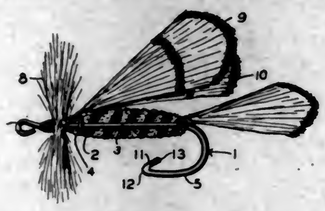
2,426,571

COSTUME JEWELRY

Morgan D. Wynne, Sr., and Tillet H. Wynne, Jr., Griffin, Ga.

Application September 26, 1945, Serial No. 618,726
3 Claims. (Cl. 63—20)

1. An article of costume jewelry comprising an ornament so inherently fragile as to be susceptible to damage through mere handling, a pin support for said ornament comprising a wire having a shank secured to said ornament, said shank carrying a resilient pin laterally thereof extending longitudinally of said shank, and a keeper for said pin, said wire beyond both ends of said shank being bent to form fingerholds by which



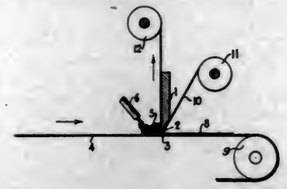
the article is held while placing and securing the pin in the clothing, one of said fingerholds being a loop lying in a plane perpendicular to the plane embracing said shank and pin, and below said plane.

2,426,572

APPARATUS FOR SPREADING VISCOUS OR PLASTIC MATERIALS

Sterling W. Alderfer, Akron, Ohio, assignor to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio, a corporation of Ohio

Application October 2, 1944, Serial No. 556,863
8 Claims. (Cl. 91—53)



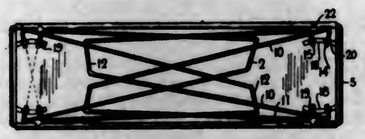
1. In a device for spreading materials of the type specified, the combination of a spreader blade to retain and hold a mass of the material, a moving backing spaced from the blade, and a flexible sheet movable around the edge of the blade.

2,426,573

COLLAPSIBLE BENCH

Sterling W. Alderfer, Akron, Ohio, assignor to Tel-O-Post Company, Akron, Ohio, a corporation of Ohio

Application February 4, 1946, Serial No. 645,262
7 Claims. (Cl. 155—150)



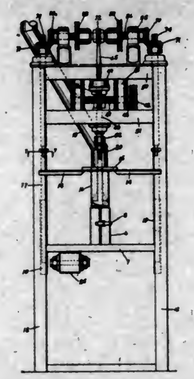
3. A collapsible seat or the like comprising a deck having outwardly and downwardly flaring flanges along opposite edges thereof, a pair of swinging legs on the underside of the deck at each end thereof, each leg comprising a long and a short reach, pivotal bearings for the ends of said reaches on the underside of the deck, the axes of pivotal movement being arranged at an acute angle to the flanges, and intersecting recesses formed in the flanges to receive and hold the shorter reaches of the legs when in erected position.

2,426,574

METHOD AND APPARATUS FOR REDUCING TURBULENCE TO INCREASE THE DENSITY OF THE MATERIAL WITHIN A CONTAINER BEING PACKED

Edward D. Andrews, Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey

Application June 18, 1943, Serial No. 491,405
14 Claims. (Cl. 226—25)



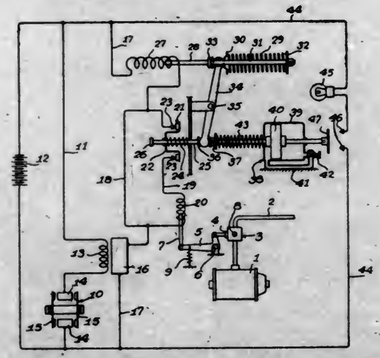
1. The method of packaging loose compressible materials at high densities, comprising supporting a column of the material on an auger and confining it within a packing tube, locating a container in telescopic relation to the packing tube, rotating the auger, withdrawing the container while the material is being fed into the container by the auger at a speed which will create a resistance to the passage of the material through the auger which is in excess of the force exerted by the movement of the material as it is propelled by the auger, and increasing the density of the material within the container by reducing turbulence in the column of material directly above the auger.

2,426,575

BRAKE CONTROL DEVICE

Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 31, 1944, Serial No. 552,039
4 Claims. (Cl. 188—181)



1. In a brake control device for vehicles, a brake cylinder having means for supplying it with pressure fluid under an operator's control for applying brakes to a wheel, means responsive, at all vehicle speeds, to wheel slip for modifying the operator's control and releasing pressure from said brake cylinder and maintaining said pressure release for a normal time sufficient to allow the wheel to return substantially to normal or vehicle speed after slipping and thereupon restoring the operator's control, and safety means operative, in the event that the pressure release is maintained an abnormal time with attendant failure of restoration of the operator's control after the expiration of said normal time, after a predetermined time appreciably longer than said normal release time, for cutting out said pressure release means and restoring the brake cylinder to the operator's control.

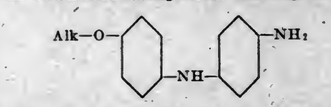
2,426,576

CHLORINATED-ALIPHATIC ETHER OF AMINO-DIPHENYLAMINES

John P. Goulding, Neshanic Station, Robert P. Parker, Somerville, and John J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 3, 1944, Serial No. 543,432
8 Claims. (Cl. 260—571)

1. A chemical compound having the formula



in which Alk is halogenated alkyl radical having not more than 4 carbon atoms.

8. The new chemical compound 4'-(gamma-chlorpropoxy)-4-aminodiphenylamine.

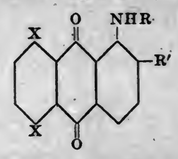
2,426,577

OIL SOLUBLE COLORS OF THE ANTHRAQUINONE SERIES

Mario Scalera, Somerville, and William B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 12, 1945, Serial No. 622,096
9 Claims. (Cl. 260—378)

3. 2-alkyl-1-alkylaminoanthraquinones and mixtures thereof having the following formula



in which R is an alkyl group containing from 3 to 6 carbon atoms, R' is an alkyl group containing less than 5 carbon atoms, and X is selected from the group consisting of —H and —NHR, at least one X being hydrogen.

2,426,578

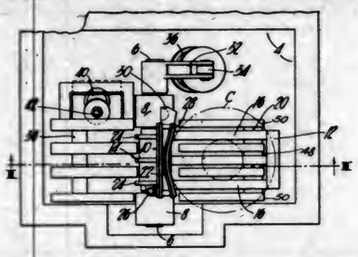
REFRIGERATION APPARATUS INCLUDING DEFROSTING MEANS

Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 5, 1943, Serial No. 509,058
2 Claims. (Cl. 62—115)

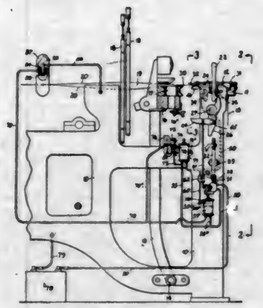
1. A refrigerator comprising first and second evaporators connected in series, first and sec-

zontal leg, a cradle pivotally mounted on said vertical leg, means for rotating the support about its pivot to move the normally horizontal leg to a vertical position and the normally vertical leg to



a horizontal position, said movement tilting the coil from a vertical position on the normally horizontal leg to a horizontal position on the cradle, and means for rotating the cradle about its pivot to discharge the coil from the tilter.

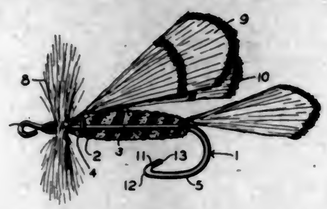
2,426,570
THIN PLACE DETECTOR FOR LOOMS
Arthur S. Thomas, Nashville, Tenn.
Application April 8, 1946, Serial No. 660,395
10 Claims. (Cl. 139—348)



1. In a thin place detector for looms, a metallic plate mounted on one side of the cloth, a plurality of spring pressed fingers mounted on the other side of the cloth and being held out of contact with the plate by the passage of cloth therebetween, but being adapted to contact the plate when a thin place occurs in the cloth, a circuit leading from the spring pressed fingers, a pair of magnets in said circuit, one of the magnets when energized operating a counter mechanism and the other magnet when energized, moving a dagger, said loom having a layer provided with a bunter which is adapted to engage the dagger when moved by its associated magnet to move the shipper lever from operating position; and spring means for moving the shipper lever when released to non-operating position to stop the loom.

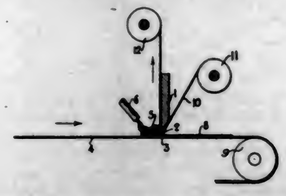
2,426,571
COSTUME JEWELRY
Morgan D. Wynne, Sr., and Tillet H. Wynne, Jr., Griffin, Ga.
Application September 26, 1945, Serial No. 618,726
3 Claims. (Cl. 63—20)

1. An article of costume jewelry comprising an ornament so inherently fragile as to be susceptible to damage through mere handling, a pin support for said ornament comprising a wire having a shank secured to said ornament, said shank carrying a resilient pin laterally thereof extending longitudinally of said shank, and a keeper for said pin, said wire beyond both ends of said shank being bent to form fingerholds by which



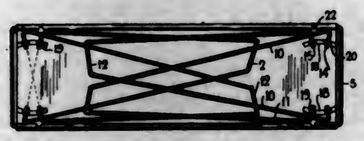
the article is held while placing and securing the pin in the clothing, one of said fingerholds being a loop lying in a plane perpendicular to the plane embracing said shank and pin, and below said plane.

2,426,572
APPARATUS FOR SPREADING VISCOUS OR PLASTIC MATERIALS
Sterling W. Alderfer, Akron, Ohio, assignor to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio, a corporation of Ohio
Application October 2, 1944, Serial No. 556,863
8 Claims. (Cl. 91—53)



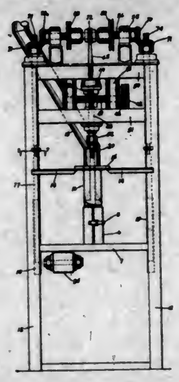
1. In a device for spreading materials of the type specified, the combination of a spreader blade to retain and hold a mass of the material, a moving backing spaced from the blade, and a flexible sheet movable around the edge of the blade.

2,426,573
COLLAPSIBLE BENCH
Sterling W. Alderfer, Akron, Ohio, assignor to Tel-O-Post Company, Akron, Ohio, a corporation of Ohio
Application February 4, 1946, Serial No. 645,262
7 Claims. (Cl. 155—150)



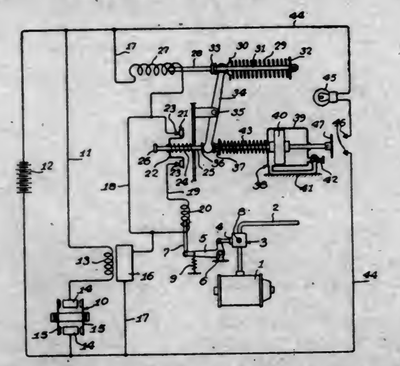
3. A collapsible seat or the like comprising a deck having outwardly and downwardly flaring flanges along opposite edges thereof, a pair of swinging legs on the underside of the deck at each end thereof, each leg comprising a long and a short reach, pivotal bearings for the ends of said reaches on the underside of the deck, the axes of pivotal movement being arranged at an acute angle to the flanges, and intersecting recesses formed in the flanges to receive and hold the shorter reaches of the legs when in erected position.

2,426,574
METHOD AND APPARATUS FOR REDUCING TURBULENCE TO INCREASE THE DENSITY OF THE MATERIAL WITHIN A CONTAINER BEING PACKED
Edward D. Andrews, Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application June 18, 1943, Serial No. 491,405
14 Claims. (Cl. 226—25)



1. The method of packaging loose compressible materials at high densities, comprising supporting a column of the material on an auger and confining it within a packing tube, locating a container in telescopic relation to the packing tube, rotating the auger, withdrawing the container while the material is being fed into the container by the auger at a speed which will create a resistance to the passage of the material through the auger which is in excess of the force exerted by the movement of the material as it is propelled by the auger, and increasing the density of the material within the container by reducing turbulence in the column of material directly above the auger.

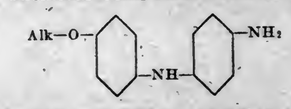
2,426,575
BRAKE CONTROL DEVICE
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 31, 1944, Serial No. 552,039
4 Claims. (Cl. 188—181)



1. In a brake control device for vehicles, a brake cylinder having means for supplying it with pressure fluid under an operator's control for applying brakes to a wheel, means responsive, at all vehicle speeds, to wheel slip for modifying the operator's control and releasing pressure from said brake cylinder and maintaining said pressure release for a normal time sufficient to allow the wheel to return substantially to normal or vehicle speed after slipping and thereupon restoring the operator's control, and safety means operative, in the event that the pressure release is maintained an abnormal time with attendant failure of restoration of the operator's control after the expiration of said normal time, after a predetermined time appreciably longer than said normal release time, for cutting out said pressure release means and restoring the brake cylinder to the operator's control.

2,426,576
CHLORINATED-ALIPHATIC ETHER OF AMINO-DIPHENYLAMINES
John P. Goulding, Neshanic Station, Robert P. Parker, Somerville, and John J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 3, 1944, Serial No. 543,432
8 Claims. (Cl. 260—571)

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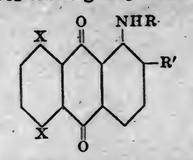


in which Alk is halogenated alkyl radical having not more than 4 carbon atoms.

8. The new chemical compound 4'-(gamma-chlorpropoxy)-4-aminodiphenylamine.

2,426,577
OIL SOLUBLE COLORS OF THE ANTHRAQUINONE SERIES
Mario Scalera, Somerville, and William B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 12, 1945, Serial No. 622,096
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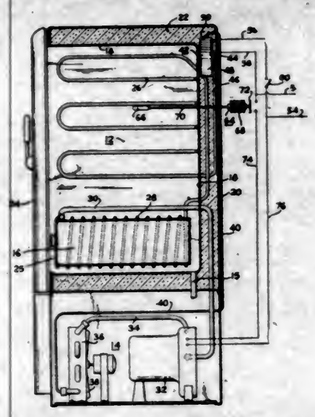


in which R is an alkyl group containing from 3 to 6 carbon atoms, R' is an alkyl group containing less than 5 carbon atoms, and X is selected from the group consisting of —H and —NHR, at least one X being hydrogen.

2,426,578
REFRIGERATION APPARATUS INCLUDING DEFROSTING MEANS
Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1943, Serial No. 509,058
2 Claims. (Cl. 62—115)

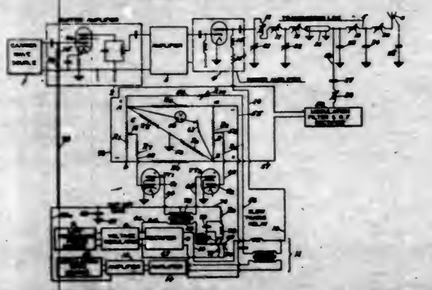
1. A refrigerator comprising first and second evaporators connected in series, first and sec-

ond storage chambers in heat-transfer relation with said first and second evaporators respectively, a compressor for withdrawing refrigerant vapor, the suction side of said compressor being connected to said second evaporator at a point remote from the connection of said second evaporator to said first evaporator, a condenser receiving compressed refrigerant vapor from said compressor, a tube connected to conduct refrigerant liquid from said condenser to said first evaporator, a thermostatic control for



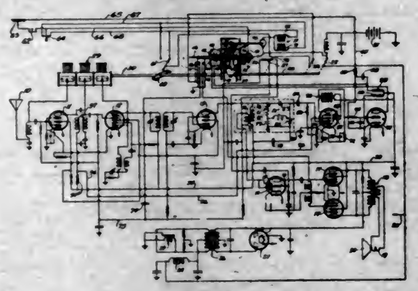
said compressor to maintain said first chamber at an above-freezing temperature, and means for providing the effect of selectively varying the refrigerant charge of the refrigerator to the extent of supplying liquid refrigerant either sufficient for both of said evaporators or sufficient for only said first evaporator, said second evaporator and second chamber being in such heat-transfer relation and the suction of said compressor being such that said second chamber is maintained at below-freezing temperatures when said refrigerant charge is sufficient for both evaporators.

2,426,579
PROTECTIVE MEANS FOR CARRIER WAVE TRANSMITTING SYSTEMS
David H. Peckham, Madison, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1944, Serial No. 548,085
14 Claims. (Cl. 250—17)



1. In a protective system for carrier wave transmission apparatus, comprising a source of carrier waves, amplifier tubes, with grids, for amplifying said carrier waves, and a transmission line arranged to be energized by the amplified carrier waves, the combination, with a bridge circuit system having four arms and a bridge conductor, means for supplying a direct current, whose voltage is a function of the power in the transmission line, to and through one arm of the bridge, means for supplying a direct current, whose voltage is a function of the voltage of the final amplifier plate of the transmission system, to and through a second arm of the bridge non-adjacent to the first named arm, means for controlling the ratio of the voltages of the direct currents to obtain substantially equality of currents, a potentiometer resistance element in each of said first and second arms, respectively, each having a portion serving as a resistance element in an adjacent other arm of the bridge, respectively, to balance the bridge, and resistance elements in the bridge conductor, grounded at their meeting ends, of a pair of rectifier tubes, each having a plate and a grid, an adjustable contact device for each potentiometer resistance element of the bridge, each conductively connected to the respective grid of one rectifier tube, means for supplying a low frequency alternating voltage to the plate of each tube, such voltages being substantially 180° out of phase with each other, a conductor arranged to be energized by the plate currents of both rectifier tubes, and means for impressing on the grid of that amplifier tube in the transmission system which first receives the carrier wave, a cut off voltage derived from the conductor energized by the plate currents.

2,426,580
RADIO RECEIVER
William J. O'Brien, Chicago, Ill., assignor to Edward F. Andrews, Chicago, Ill.
Application April 10, 1941. Serial No. 387,907
30 Claims. (Cl. 250—20)

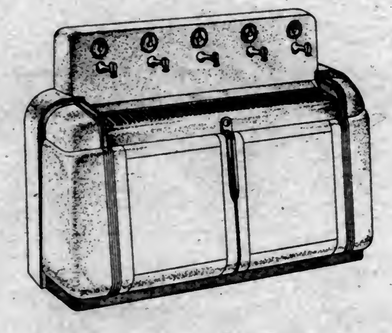


8. In a radio receiver of the type comprising tuning means, the combination including, means for driving the tuning means, and means for stopping said tuning means when a broadcast station is closely tuned in, said last mentioned means including tuned means energized through the receiver for supplying a first control voltage which is a maximum when a station is closely tuned in, tuned means energized through the receiver for supplying a second control voltage which falls sharply to a minimum when a station is tuned in, said last mentioned means including a tuned primary circuit and a tuned secondary circuit having an inductive and capacitative reactance common to both circuits providing zero reactive coupling at resonance, and means controlled in response to said control voltages for controlling said driving means.

DESIGNS

AUGUST 26, 1947

147,359
DESIGN FOR AN OIL BAR
Francis Lawrence Ayres, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 18, 1946, Serial No. 126,669
Term of patent 14 years
(Cl. D52—2)



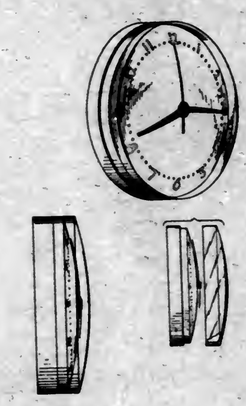
The ornamental design for an oil bar, substantially as shown and described.

147,360
DESIGN FOR A TRAY
Alfons Bach, Stamford, Conn., assignor to Syracuse Ornamental Co. Inc., Syracuse, N. Y., a corporation of New York.
Application April 12, 1946, Serial No. 128,511
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a tray, substantially as shown.

147,361
DESIGN FOR A WALL CLOCK
William E. Bentzinger, Sioux Falls, S. Dak., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application January 30, 1946, Serial No. 126,090
Term of patent 14 years
(Cl. D42—7)



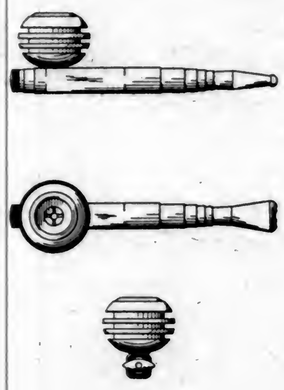
The ornamental design for a wall clock, substantially as shown.

147,362
DESIGN FOR A JEWELRY PIN OR SIMILAR ARTICLE
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application May 29, 1946, Serial No. 130,224
Term of patent 7 years
(Cl. D45—19)



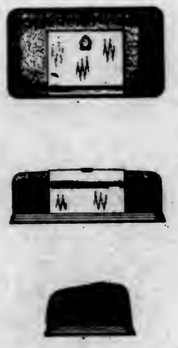
The ornamental design for a jewelry pin or similar article, substantially as shown and described.

147,363
DESIGN FOR A TOBACCO SMOKING PIPE
Frank J. Danilowicz, Cleveland, Ohio
Application March 12, 1946, Serial No. 127,398
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a tobacco smoking pipe, as shown.

147,364
DESIGN FOR A DISPLAY BOX OR SIMILAR ARTICLE
Robert F. Dibble, New York, N. Y., assignor to The Royal Corporation, New York, N. Y., a corporation of New York
Application March 29, 1946, Serial No. 128,058
Term of patent 3½ years
(Cl. D80—5)



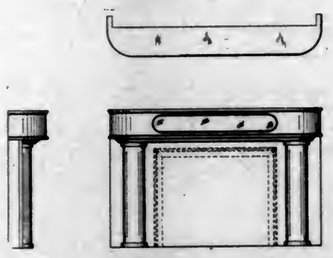
The ornamental design for a display box or similar article, substantially as shown.

147,365
DESIGN FOR A TOY ANIMAL FIGURE
Eli Gordon and Henry Sanders, Los Angeles, Calif.
Application June 29, 1946, Serial No. 131,170
Term of patent 7 years
(Cl. D34—2)



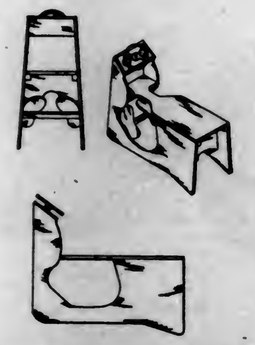
The ornamental design for a toy animal figure, as shown.

147,366
DESIGN FOR A FIREPLACE MANTEL
Alice J. Grossniklaus, Wilmot, Ohio
Application April 6, 1946, Serial No. 128,353
Term of patent 14 years
(Cl. D13—5)



The ornamental design for a fireplace mantel, substantially as shown and described.

147,367
DESIGN FOR A CHILD'S SEAT OR SIMILAR ARTICLE
Carl H. Hasche, Glendale, Calif.
Application January 19, 1946, Serial No. 125,754
Term of patent 14 years
(Cl. D34—15)



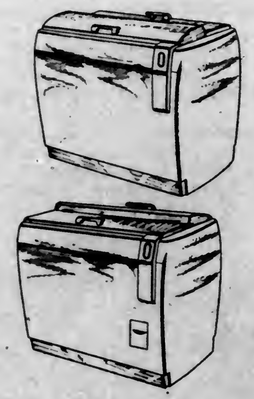
The ornamental design for a child's seat or similar article, substantially as shown.

147,368
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Monroe B. Levoy, New York, N. Y.
Application May 27, 1947, Serial No. 139,300
Term of patent 14 years
(Cl. D57—1)



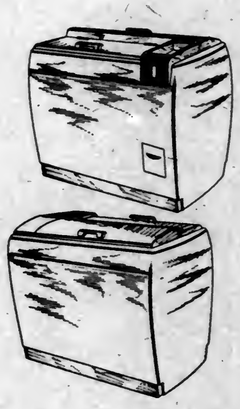
The ornamental design for a spectacle frame or similar article, as shown.

147,369
DESIGN FOR A COOLER
Raymond Loewy, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application December 21, 1945, Serial No. 124,915
Term of patent 14 years
(Cl. D67—4)



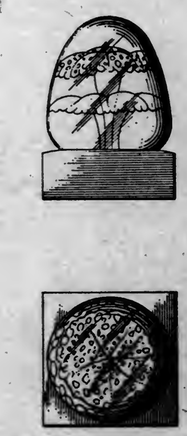
The ornamental design for a cooler, as shown.

147,370
DESIGN FOR A COOLER CABINET
Raymond Loewy, New York, N. Y., assignor to Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application December 21, 1945, Serial No. 124,917
Term of patent 14 years
(Cl. D67—4)



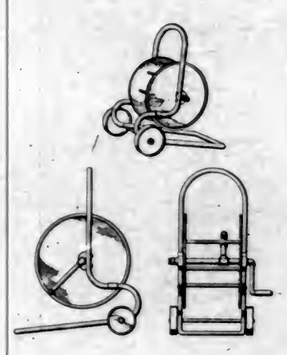
The ornamental design for a cooler cabinet, as shown.

147,371
DESIGN FOR A TOMBSTONE
Sylvia G. McNatton, Muscatine, Iowa
Application March 26, 1946, Serial No. 127,970
Term of patent 3½ years
(Cl. D79—2)



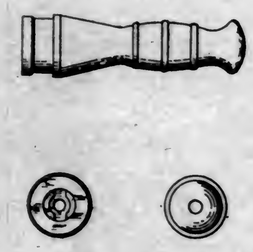
The ornamental design for a tombstone, as shown.

147,372
DESIGN FOR A HOSE REEL
Earle S. Marsh, Temple City, Calif.
Application March 16, 1946, Serial No. 127,578
Term of patent 14 years
(Cl. D91—1)



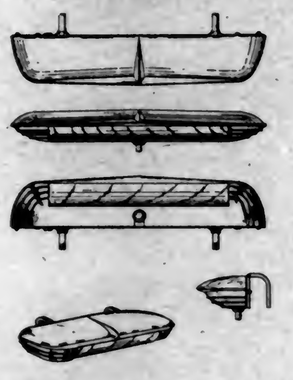
The ornamental design for a hose reel, substantially as shown.

147,373
DESIGN FOR A TOOL HANDLE OR SIMILAR ARTICLE
Morris Meltzer, Detroit, Mich.
Application April 1, 1946, Serial No. 128,160
Term of patent 7 years
(Cl. D93—4)



The ornamental design for a tool handle or similar article, substantially as shown.

147,374
DESIGN FOR A BED LAMP
Victor Nemeroff, Chicago, Ill.
Application May 10, 1946, Serial No. 129,552
Term of patent 14 years
(Cl. D48—19)



The ornamental design for a bed lamp, substantially as shown.

147,375
DESIGN FOR A TOY PISTOL
Joseph Oshman, New York, N. Y.
Application June 5, 1946, Serial No. 130,429
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy pistol, as shown.

147,376
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 3, 1946, Serial No. 131,299
Term of patent 7 years
(Cl. D45—19)



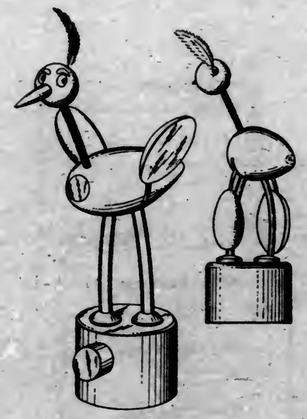
The ornamental design for a brooch or similar article, substantially as shown.

147,377
DESIGN FOR A CHAISE LONGUE
Andrew Roth, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 27, 1946, Serial No. 129,058
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a chaise longue, as shown.

147,378
DESIGN FOR A TOY BIRD
Calvin Rouse, Jamaica, N. Y.
Application July 25, 1946, Serial No. 131,903
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy bird, substantially as shown.

147,379
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application May 22, 1947, Serial No. 139,204
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

147,380
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application May 22, 1947, Serial No. 139,205
Term of patent 7 years
(Cl. D7—7)



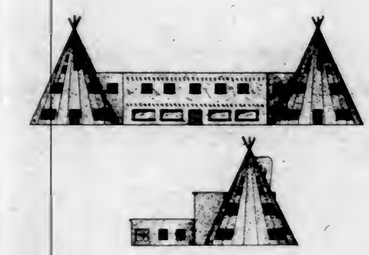
The ornamental design for a shoe, substantially as shown.

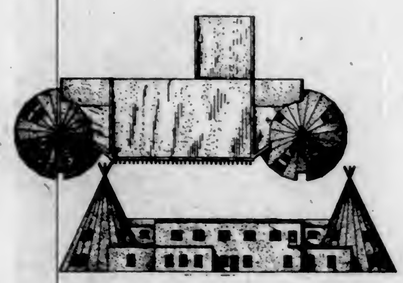
147,381
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application May 22, 1947, Serial No. 139,206
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown and described.

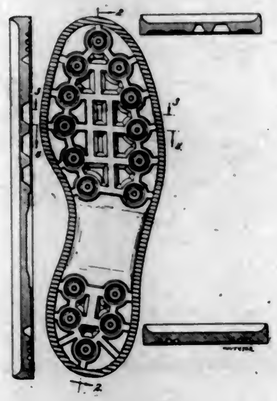
147,382
DESIGN FOR A BUILDING
Floyd S. Saum, Denver, Colo.
Application February 4, 1947, Serial No. 136,669
Term of patent 14 years
(Cl. D13—1)





The ornamental design for a building, as shown.

147,383
DESIGN FOR A SHOE SOLE
Alfred E. Shaffer, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application September 19, 1946, Serial No. 133,405
Term of patent 7 years
(Cl. D7—5)



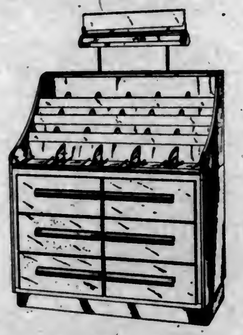
The ornamental design for a shoe sole, as shown.

147,384
DESIGN FOR A CARD CABINET OR SIMILAR ARTICLE
Morris S. Stone, University Heights, Ohio, assignor to American Greeting Publishers Inc., Cleveland, Ohio, a corporation of Ohio
Application April 2, 1946, Serial No. 128,189
Term of patent 14 years
(Cl. D80—9)



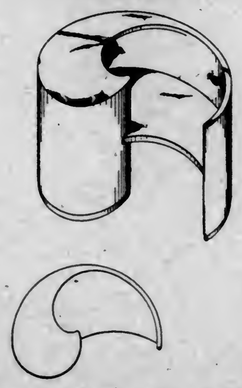
The ornamental design for a card cabinet or similar article, substantially as shown.

147,385
DESIGN FOR A CARD CABINET OR SIMILAR ARTICLE
Morris S. Stone, University Heights, Ohio, assignor to American Greeting Publishers Inc., Cleveland, Ohio, a corporation of Ohio
Application April 2, 1946, Serial No. 128,190
Term of patent 14 years
(Cl. D80—9)



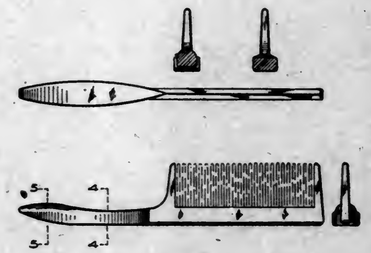
The ornamental design for a card cabinet or similar article, substantially as shown.

147,386
DESIGN FOR A TELEPHONE CHAIR
Glenn Thomas, Toledo, Ohio
Application April 8, 1946, Serial No. 128,401
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a telephone chair, as shown.

147,387
DESIGN FOR A COMB WITH A HANDLE
Lewis S. Utley, Forest Hills, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application October 15, 1946, Serial No. 133,969
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb with a handle, substantially as shown and described.

147,388
DESIGN FOR A PLAQUE
George W. Wahrer, Cleveland, Ohio
Application July 12, 1946, Serial No. 131,541
Term of patent 14 years
(Cl. D29—24)



The ornamental design for a plaque, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accurate Tool & Gage Co., Minneapolis, Minn. Metal garden fence. Serial No. 502,678; Aug. 26. Class 13.

Aldan Chemical Enterprises, Inc., Clifton Heights, Pa. Compound for killing fleas. Serial No. 507,610; Aug. 26. Class 6.

All American Aviation, Inc., Wilmington, Del. Wide webbing. Serial No. 506,628; Aug. 26. Class 42.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 510,046; Aug. 26. Class 39.

Alumiline Corp., The, Brooklyn, N. Y. Store front and window mouldings. Serial No. 517,544; Aug. 26. Class 12.

Alvin Corporation, The, Providence, R. I. Sterling silver and silverplated flatware, hollowware and cutlery. Serial No. 503,039; Aug. 26. Class 28.

American Brake Shoe Company, New York, N. Y. Bare and coated welding rods. Serial No. 518,581; Aug. 26. Class 14.

American Brake Shoe Company, New York, N. Y. Boxes, muffles, pots, etc. Serial No. 520,669; Aug. 26. Class 34.

American Breddo Corp., New York, N. Y. Vanilla-like flavoring. Serial No. 508,089; Aug. 26. Class 46.

American Cyanamid Company, New York, N. Y. Wettable sulphur. Serial No. 521,958; Aug. 26. Class 6.

American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, fan belts, etc. Serial No. 514,394; Aug. 26. Class 36.

American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, fan belts, etc. Serial No. 514,403; Aug. 26. Class 35.

American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, fan belts, etc. Serial No. 515,017; Aug. 26. Class 35.

American Safety Razor Corporation, Brooklyn, N. Y. Pyrophoric lighters. Serial No. 520,247; Aug. 26. Class 34.

Andreas, Henry J., Sanger, Calif. Fresh grapes. Serial No. 508,776; Aug. 26. Class 46.

Asch, Celia, doing business as Fad Beauty Products Co., New York, N. Y. Perfume and toilet water. Serial No. 512,228; Aug. 26. Class 6.

Ashland Rubber Works: *See*—
Faultless Rubber Company, The.

Associated Tire Specialist of Chicago, Chicago, Ill. Pneumatic tires. Serial No. 491,698; Aug. 26. Class 35.

Atlantic Laboratories, Inc., Palisades Park, N. J. Printed charts in the nature of a calendar having an adjustable indicator. Serial No. 505,677; Aug. 26. Class 26.

Avon Products, Inc., New York, N. Y. Cosmetic set. Serial No. 506,085; Aug. 26. Class 6.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. Serial No. 507,092; Aug. 26. Class 6.

Baughman, Wilbur N., near Sandy Spring, Md. Dairy products. Serial No. 509,132; Aug. 26. Class 46.

Bee Chemical Company, Chicago, Ill. Chemical composition. Serial No. 515,529; Aug. 26. Class 6.

Beeman's Laboratory, Inc., Atlanta, Ga. Medicinal ointment. Serial No. 506,496; Aug. 26. Class 6.

Bell & Hudgins Chemical Co., New York, N. Y. Hair straightening preparation. Serial No. 509,689; Aug. 26. Class 6.

Bennett, Charles C., doing business as Novelty Peanut Company, Dallas, Tex. Salted peanuts. Serial No. 502,258; Aug. 26. Class 46.

Berlinger, Joseph, Co., New York, N. Y. Piece goods of rayon crepe. Serial No. 517,822; Aug. 26. Class 42.

Biro, Meyne & Biro, Inc., New York, N. Y. Perfumes and lipsticks. Serial No. 508,262; Aug. 26. Class 6.

Bloch, Julius, doing business as Brooks, San Francisco, Calif. Lens shades, photographic cameras and parts thereof. Serial No. 500,644; Aug. 26. Class 26.

Blue Ridge Laboratories, Clemson, S. C. Skin remedy. Serial No. 512,571; Aug. 26. Class 6.

Bon Marche, The: *See*—
Allied Stores Corporation.

Bonten, Henriette, Neuilly, France. Perfumes, toilet waters, rouge, etc. Serial No. 508,781; Aug. 26. Class 6.

Bristol Laboratories Inc., Syracuse, N. Y. Anti-acid tablets. Serial No. 506,227; Aug. 26. Class 6.

Brooks: *See*—
Bloch, Julius.

California Frozen Fish Company: *See*—
Ventimiglia, S.

Carpenter, E. W., Manufacturing Company, The, Bridgeport, Conn. Nails. Serial No. 515,607; Aug. 26. Class 13.

Central Paint & Varnish Works, Inc., New York, N. Y. Insecticides in liquid and powder form. Serial No. 523,368; Aug. 26. Class 6.

Century Projector Corporation, New York, N. Y., and elsewhere. Moving picture projectors and parts thereof. Serial No. 511,727; Aug. 26. Class 26.

Chase Candy Company: *See*—
Clinton Industries, Inc.

Christina, Vincent, & Company, Inc., New York, N. Y. Local anesthetic and analgesic for parenteral use by physicians. Serial No. 516,334; Aug. 26. Class 6.

Clinton Industries, Inc., assignor to Chase Candy Company, Chicago, Ill. Candy. Serial No. 498,596; Aug. 26. Class 46.

Cobb, R. A., Houston, Tex. Insecticides. Serial No. 512,641; Aug. 26. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Face powder. Serial No. 522,201; Aug. 26. Class 6.

Collins, Hal, Company, Dallas, Tex. Preparation for treatment of dandruff. Serial No. 516,813; Aug. 26. Class 6.

Colorado Milling & Elevator Co., The, doing business as The Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Wheat flour. Serial No. 511,435; Aug. 26. Class 46.

Colorado Products Company, The, also doing business as The Navajo Products Co., Trinidad, Colo., and Las Vegas, N. Mex. Rubbing salve. Serial No. 473,596; Aug. 26. Class 6.

Comet Slide Fastener, Inc., New York, N. Y. Slide fasteners. Serial No. 493,045; Aug. 26. Class 13.

Concord Burner Company, Inc., Lawrence, Long Island, N. Y. Domestic and industrial type oil burners. Serial No. 519,260; Aug. 26. Class 34.

Consolidated Cosmetics, Chicago, Ill. Perfume, toilet water, face powder, etc. Serial Nos. 512,241–2; Aug. 26. Class 6.

Converted Rice, assignor to Converted Rice, Inc., Houston, Tex. Rice. Serial No. 516,959; Aug. 26. Class 46.

Converted Rice, Inc., assignee: *See*—
Converted Rice.

Cook Chemical Company, Kansas City, Mo. Insecticide. Serial No. 520,267; Aug. 26. Class 6.

Corn Products Refining Company, New York, N. Y. Laundry starch. Serial No. 517,406; Aug. 26. Class 6.

Cresca Company, Incorporated, New York, N. Y. Cookies and chocolate brownies. Serial No. 503,245; Aug. 26. Class 46.

Crise Manufacturing Company, Columbus, Ohio. Electrically heated bed-warming pads. Serial No. 514,016; Aug. 26. Class 21.

Crown Controls Company, assignor to Crown Controls Company, Inc., New Bremen, Ohio. Electrical temperature control mechanism. Serial No. 500,742; Aug. 26. Class 26.

Crown Controls Company, Inc., assignee: *See*—
Crown Controls Company.

Cushing, Caleb H., Estate of: *See*—
Cushing, Mary F.

Cushing, Mary F., executrix for the estate of C. H. Cushing, doing business as W. Cushing & Company, assignor to M. F. Cushing, doing business as W. Cushing and Company, Dover-Foxcroft, Maine. Powdered dyestuffs, dry, water soluble, derived from coal tar. Serial No. 506,161; Aug. 26. Class 6.

Cushing, W., and Company: *See*—
Cushing, Mary F.

Cushing, W., & Company: *See*—
Cushing, Mary F.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Day Chemical Co., Newark, N. J. Local anaesthetic. Serial No. 512,649; Aug. 26. Class 6.

Debonair Fashions, New York, N. Y. Hair snoods. Serial No. 506,428; Aug. 26. Class 39.

Dentone, Leo A., Stockton, Calif. Dietary supp'ement consisting of protein hydrolysate. Serial No. 521,862; Aug. 26. Class 6.

Dermetics, Inc., New York, N. Y. Lipsticks. Serial No. 521,640; Aug. 26. Class 6.

Dermetics, Inc., New York, N. Y. Perfume, toilet water, and cologne. Serial No. 521,642; Aug. 26. Class 6.

Dexter Chemical Corporation, New York, N. Y. Wetting agents, water soluble oils and softener. Serial Nos. 518,281–2; Aug. 26. Class 6.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Dingfelder & Saperstone Inc., New York, N. Y. Fresh celery. Serial No. 514,891; Aug. 26. Class 46.

Donna Fruit Company, Edinburg, Tex. Fresh citrus fruits. Serial No. 515,090; Aug. 26. Class 46.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. Serial No. 495,225; Aug. 26. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. Serial No. 523,376; Aug. 26. Class 6.

Eez-Ol Products Co., Worcester, Mass. Medicinal preparation. Serial No. 525,308; Aug. 26. Class 6.
Electravator Corporation, The, Dayton, Ohio. Hoists. Serial No. 517,711; Aug. 26. Class 21.
Electronic Chemical Engineering Company, Inc., Los Angeles, Calif. Electric high frequency cookers. Serial No. 518,073; Aug. 26. Class 21.
Elgeet Manufacturing Co. Inc., Rochester, N. Y. Photographic lenses. Serial No. 505,953; Aug. 26. Class 26.
Embros Wine and Liquor Company: *See*—
Miglioretti Brothers.
Emkay Chemical Company, The, Elizabeth, N. J. Household cleaning preparation. Serial No. 508,988; Aug. 26. Class 4.
Empritex Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 507,118; Aug. 26. Class 42.
Erla Corporation, The, Los Angeles, Calif. Electric flatirons. Serial No. 517,294; Aug. 26. Class 21.
Eureka Williams Corporation, Detroit, Mich. Garbage grinders and parts thereof. Serial No. 499,616; Aug. 26. Class 23.
Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. Serial No. 482,796; Aug. 26. Class 37.
Fad Beauty Products Co.: *See*—
Asch, Celia.
Faultless Rubber Company, The, doing business as Ashland Rubber Works, Ashland, Ohio. Household gloves. Serial No. 519,940; Aug. 26. Class 39.
Fibrean Corporation, New York, N. Y. Material or waste cans. Serial No. 502,960; Aug. 26. Class 2.
Fog Nozzle Company, Los Angeles, Calif. Spray nozzles and distributor heads. Serial No. 488,213; Aug. 26. Class 13.
Fougera, E., & Co., Inc., New York, N. Y. Medicinal preparation. Serial No. 512,774; Aug. 26. Class 6.
Frabill Manufacturing Company, Milwaukee, Wis. Insulating cooking plates. Serial No. 494,832; Aug. 26. Class 13.
Frozen Cooked Specialties, Inc., New Orleans, La. Frozen sea foods and frozen sea food products. Serial No. 506,443; Aug. 26. Class 46.
Geigy Company, Inc., New York, N. Y. Antipsoric ointment. Serial No. 522,777; Aug. 26. Class 6.
Glasser, Edward F., Chicago, Ill. Preparation for coughs and throat irritations. Serial No. 512,586; Aug. 26. Class 6.
Golo Footwear Corporation, New York, N. Y. Women's shoes and slippers. Serial No. 510,586; Aug. 26. Class 39.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Hog supplement feed. Serial No. 509,651; Aug. 26. Class 46.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Pig meal. Serial No. 509,652; Aug. 26. Class 46.
Grenoville, Societe Anonyme, Asnieres, France. Perfumes, cologne, toilet waters, etc. Serial No. 514,196; Aug. 26. Class 6.
Haft & Company, Ltd., New York, N. Y. Woolen piece goods. Serial No. 516,770; Aug. 26. Class 42.
Harris-Marshall Hosiery Mills, Inc., Galax, Va. Hosiery for men and boys. Serial No. 514,116; Aug. 26. Class 39.
Hat Corporation of America, Norwalk, Conn. Hats for women. Serial No. 513,413; Aug. 26. Class 39.
Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 514,761; Aug. 26. Class 39.
Heirloom Needlework Guild, Inc., New York, N. Y. Kits for making beaded bags. Serial No. 512,063; Aug. 26. Class 50.
Henlein Brothers Co., Ltd., Cincinnati, Ohio. Outer shirts. Serial No. 488,092; Aug. 26. Class 39.
Hi-Speed Tire and Accessory Company, Toledo, Ohio. Internal combustion motors, parts thereof, and accessories therefor. Serial No. 489,398; Aug. 26. Class 23.
Hoffman-La Roche Inc., Nutley, N. J. Medical preparation. Serial No. 520,163; Aug. 26. Class 6.
House Beautiful Curtains, Inc., New York, N. Y. Window curtains and curtain materials. Serial No. 516,285; Aug. 26. Class 42.
Hutchinson, A. W., Homestead, Fla. Fresh tomatoes. Serial No. 516,694; Aug. 26. Class 46.
Interchemical Corporation, New York, N. Y. Moth crystals. Serial No. 520,396; Aug. 26. Class 6.
Irresistible, Inc., New York, N. Y. Perfume. Serial No. 516,191; Aug. 26. Class 6.
Irresistible, Inc., New York, N. Y. Perfume. Serial No. 516,193; Aug. 26. Class 6.
Jed Venetian Blind Supply Co.: *See*—
King, Noreene E.
Jenny Optical Company: *See*—
Mullen, John E.
Jodoin's Ivy Products, Vacaville, Calif. Hair tonic. Serial No. 519,754; Aug. 26. Class 6.
Jordan Manufacturing Corp., New York, N. Y. Bathing suits. Serial No. 514,205; Aug. 26. Class 39.
Jung Arch Brace Co., The, Cincinnati, Ohio. Braces, supporters, suspensory and trusses. Serial No. 525,217; Aug. 26. Class 44.
King, Noreene E., doing business as Jed Venetian Blind Supply Co., Chicago, Ill. Venetian blind kits. Serial No. 507,259; Aug. 26. Class 50.
Latrobe Electric Steel Company, Latrobe, Pa. Tool steel. Serial No. 519,530; Aug. 26. Class 14.
Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial Nos. 512,335–6; Aug. 26. Class 6.
LeLong, Lucien, Inc., Chicago, Ill. Perfumes. Serial No. 512,271; Aug. 26. Class 6.
Locke Chemical Company, Baltimore, Md. Hair and scalp preparations. Serial No. 512,435; Aug. 26. Class 6.
Logan, Lee E., Edgemont, S. Dak. Soap. Serial No. 511,822; Aug. 26. Class 4.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. Serial No. 508,157; Aug. 26. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and powdered concentrates. Serial No. 512,333; Aug. 26. Class 46.
Magnolia Citrus Association, Porterville, Calif. Fresh citrus fruits. Serial No. 498,532; Aug. 26. Class 46.
Mannette Manufacturing Company, Inc., Philadelphia, Pa. Children's and infants' dresses. Serial No. 509,294; Aug. 26. Class 39.
Margrove Incorporated, Geneva, N. Y. Ice cream. Serial No. 506,329; Aug. 26. Class 46.
Martin & Martin: *See*—
Martin, Robert L.
Martin, Robert L., doing business as Martin & Martin, Dayton, Ohio. Ointment. Serial No. 512,126; Aug. 26. Class 6.
Maxza, G. V., Glove Co. Inc., New York, N. Y. Gloves. Serial No. 510,440; Aug. 26. Class 39.
McFeely Brick Company, Latrobe, Pa. Firebricks. Serial No. 515,773; Aug. 26. Class 12.
McMullen-Leavens Company, Inc., New York, N. Y. Women's and misses' sports dresses, blouses, and one and two-piece playsuits. Serial No. 510,098; Aug. 26. Class 39.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for parenteral use. Serial No. 511,229; Aug. 26. Class 6.
Mexusa International Corporation, New York, N. Y. Decorative cork bottle stopper. Serial No. 513,439; Aug. 26. Class 50.
Michigan Chrome & Chemical Company, Detroit, Mich. Stop-off lacquer. Serial No. 511,100; Aug. 26. Class 16.
Miglioretti Brothers, doing business as Embros Wine and Liquor Company, Baltimore, Md. Wines. Serial No. 512,439; Aug. 23. Class 47.
Mike, Frances B., Newark, N. J. Scalp and hair dressing pomades. Serial No. 522,796; Aug. 26. Class 6.
Miller, Maurice, Pottstown, Pa. Dry cleaning fluid. Serial No. 503,735; Aug. 26. Class 4.
Mineral Cleansers Company, New York, N. Y. Household cleanser preparation. Serial No. 508,603; Aug. 26. Class 4.
Moran, R. J., Co., Boston, Mass. Medicine in capsule form. Serial No. 523,976; Aug. 26. Class 6.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 508,804; Aug. 26. Class 27.
Mullen, John E., doing business as Jenny Optical Company, Boston, Mass. Contact lenses. Serial No. 515,843; Aug. 26. Class 26.
Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Babbitt metals. Serial No. 518,093; Aug. 26. Class 14.
Natchitoches Coffee & Syrup Company, Inc., The, Natchitoches, La. Coffee. Serial No. 507,014; Aug. 26. Class 46.
Navajo Products Co., The: *See*—
Colorado Products Company, The.
Newman, Harold W., Jr., New Preston, Conn. Bookmarks. Serial No. 513,678; Aug. 26. Class 37.
Novelty Peanut Company: *See*—
Bennett, Charles C.
Ohio Brass Company, The, Mansfield, Ohio. Electric car couplers for trolley catchers and retrievers, etc. Serial No. 514,218; Aug. 26. Class 21.
Ohio Oil Company, The, Findlay, Ohio. Gasoline. Serial No. 491,930; Aug. 26. Class 15.
Olin, Norman E., New York, N. Y. Service trays, plastic face powder boxes, plastic candy boxes, etc. Serial No. 497,324; Aug. 26. Class 2.
Oneida Chemical Company: *See*—
Wiley, Frank L.
Parfumerie Lubin, Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 516,631; Aug. 26. Class 6.
Parfums Chinon, Société à Responsabilité Limitée, Montrouge, France. Perfumes, toilet waters, rouge, etc. Serial No. 517,516; Aug. 26. Class 6.
Parfums Verchere (Parfums Jerome) Société à Responsabilité Limitée, Paris, France. Perfumes, toilet waters, rouge, etc. Serial Nos. 511,756–7; Aug. 26. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 491,428; Aug. 26. Class 6.
Per-De-Co Limited, Farnham, England. Fixative preparations. Serial No. 525,102; Aug. 26. Class 6.
Pfeiffer Hosiery, New York, N. Y. Hosiery. Serial No. 513,580; Aug. 26. Class 39.
Porter Gasket & Distributing Co.: *See*—
Porter, Robert B.

Porter, Robert B., doing business as Porter Gasket & Distributing Co., Los Angeles, Calif. Flexible gaskets and packing elements. Serial No. 506,474; Aug. 26. Class 35.
Powell, John, & Co., Inc., New York, N. Y. Insecticides. Serial No. 522,760; Aug. 26. Class 6.
Powell, John, & Co., Inc., New York, N. Y. Fungicide used as an application to seeds. Serial No. 522,761; Aug. 26. Class 6.
Pryor Manufacturing Co., Mansfield, Ohio. Metal die castings. Serial No. 519,029; Aug. 26. Class 14.
Quackenbush Company: *See*—
Allied Stores Corporation.
Quinn, J. W., Drug Company, Greenwood, Miss. Insecticide. Serial No. 524,564; Aug. 26. Class 6.
Radiron Corporation, Miamisburg, Ohio. Electric irons. Serial No. 497,741; Aug. 26. Class 21.
Refined Products Corporation, Lyndhurst, N. J. Compound comprising a softening and finishing agent. Serial No. 522,402; Aug. 26. Class 6.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Piece goods. Serial No. 504,295; Aug. 26. Class 42.
Robbins, Anatole, Inc., Los Angeles, Calif. Perfume. Serial No. 524,817; Aug. 26. Class 6.
Rogers, Grover C., Lake City, S. C. Preparation for the treatment of malaria. Serial No. 513,464; Aug. 26. Class 6.
Roma Wine Company, New York, N. Y., and Fresno, Calif., assignor to Schenley Distillers Corporation, New York, N. Y. Wines. Serial No. 477,749; Aug. 26. Class 47.
Rosenstein, Nettie, Inc., New York, N. Y. Perfumes and colognes. Serial No. 501,009; Aug. 26. Class 6.
Rubin-Meltzer Company, New York, N. Y. Men's, boys', and children's knitted athletic briefs, union suits, pajamas, etc. Serial No. 508,313; Aug. 26. Class 39.
S-A-M Laboratories, Inc., Norfolk, Va. Cold tablets. Serial No. 523,708; Aug. 26. Class 6.
Saks & Company, New York, N. Y. Women's and misses' custom-made dresses, blouses, cloth and fur coats, etc. Serial No. 509,879; Aug. 26. Class 39.
Salierno, Vincent, Newark, N. J. Optical frames. Serial No. 508,928; Aug. 26. Class 26.
Sanitary Tampon Corporation, Chambersburg, Pa. Sanitary tampons. Serial Nos. 521,210–11; Aug. 26. Class 44.
Schenley Distillers Corporation, assignee: *See*—
Roma Wine Company.
Sel-Mor Garment Company, Inc., St. Louis, Mo. Lingerie. Serial No. 505,245; Aug. 26. Class 39.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial and ear drop preparation. Serial No. 512,136; Aug. 26. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Blood clotting preparation and preparation for use in antibacterial therapy. Serial No. 514,501; Aug. 26. Class 6.
Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. Serial No. 516,380; Aug. 26. Class 39.
Siegel, A. L., Co., Inc., New York, N. Y. Garments. Serial No 496,108; Aug. 26. Class 39.
Societe Anonyme Renaud Paris 1817, Montreuil-Sous-Bois, France. Perfumes, cologne, lipstick, etc. Serial Nos. 521,761–2; Aug. 26. Class 6.
Société d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres near Paris, France. Perfumes. Serial No. 511,357; Aug. 26. Class 6.
Spector, Theodore, Philadelphia, Pa. Liquid preparation for removing lipstick and nail polish from fabrics. Serial No. 502,340; Aug. 26. Class 4.
Sprague Products Company, North Adams, Mass. Electrolytic capacitors. Serial No. 517,266; Aug. 26. Class 21.
Springfield Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Insecticides. Serial No. 525,128; Aug. 26. Class 6.
Stanley Works, The, New Britain, Conn. Cabinet hardware. Serial No. 493,632; Aug. 26. Class 13.
Star Metal Manufacturing Co., Philadelphia, Pa. Homogenizing machine. Serial No. 512,027; Aug. 26. Class 23.
Steckbeck, W. J., & Sons Cigar Company, Fort Wayne, Ind. Cigars. Serial No. 513,074; Aug. 26. Class 17.
Syhutt Industries, Washington, D. C. Vanity cases. Serial No. 519,299; Aug. 26. Class 2.
Sylvania Electric Products Inc., Salem, Mass. Fluorescent lamps and fixtures. Serial Nos. 517,750–2; Aug. 26. Class 21.
Thorium Limited, London, England. Rouge for polishing glass. Serial No. 503,233; Aug. 26. Class 4.
Universal Camera Corporation, New York, N. Y. Cameras, camera lenses, optical view finders, etc. Serial No. 514,231; Aug. 26. Class 26.
Vargas Manufacturing Company, Providence, R. I. Ornamental jewelry particularly for children. Serial No. 515,850; Aug. 26. Class 28.
Ventimiglia, S., doing business as California Frozen Fish Company, Monterey, Calif. Canned squid. Serial No. 515,345; Aug. 26. Class 46.
Webster-Chicago Corporation, Chicago, Ill. Electrically operated phonographs. Serial No. 517,807; Aug. 26. Class 21.
Webster Electric Company, Racine, Wis. Intercommunicating sound amplifying and transmitting systems and parts thereof. Serial No. 517,537; Aug. 26. Class 21.
Wentz, M. C., doing business as M. C. Wentz Co., Pasadena, Calif. Cologne and after-shave lotion. Serial Nos. 509,115–16; Aug. 26. Class 6.
Wentz, M. C., Co.: *See*—
Wentz, M. C.
Wiley, Frank L., doing business as Oneida Chemical Company, Utica, N. Y. Poison paste for extermination of rats. Serial No. 512,555; Aug. 26. Class 6.
Winthrop Chemical Company, Inc., New York, N. Y. Medicinal preparation. Serial No. 511,657; Aug. 26. Class 6.
Winthrop Products Inc., New York, N. Y. Antiseptic preparation. Serial No. 516,340; Aug. 26. Class 6.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga. Fungicidal spray. Serial No. 522,756; Aug. 26. Class 6.
Wright & Lawrence Laboratories, Inc., Chicago, Ill. Ointment. Serial No. 523,152; Aug. 26. Class 6.
Wyeth Incorporated, Philadelphia, Pa. Medicinal preparations. Serial No. 510,916; Aug. 26. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Aarhus Oliefabrik A/S, Aarhus, Denmark. Foodstuffs. 432,232; Aug. 26; Serial No. 498,477; published May 27, 1947. Class 46.
Abilene Foods Co., Abilene, Kans. Peanut butter. 432,273; Aug. 26; Serial No. 509,810; published May 27, 1947. Class 46.
Ace Specialties Co., Detroit, Mich. Adjustable wrenches. 432,260; Aug. 26; Serial No. 507,226; published June 3,1947. —Class 23.
Acheson Harden Company, The: *See*—
Acheson Harden Co., The.
Acheson Harden Co., The, to The Acheson Harden Company, New York, N. Y. Handkerchiefs. 230,386; renewed July 19, 1947. O. G. Aug. 26. Class 39.
Actien-Gesellschaft für Anilin Fabrikation, Berlin, Germany, to The Chemical Foundation, Incorporated, New York, N. Y. Photographic developers. 61,920; re-renewed Apr. 9, 1947. O. G. Aug. 26, 1947. Class 6.
Adam, J. N., & Co., Buffalo, N. Y. Dry, paste, and ready-mixed paints, varnishes, paint enamels, etc. 224,292; renewed Feb. 22, 1947. O. G. Aug. 26. Class 16.
Adam, J. N., & Co., Buffalo, N. Y. Dry, paste, and ready-mixed paints, varnishes, paint enamels, etc. 224,491; renewed Mar. 1, 1947. O. G. Aug. 26. Class 16.
Adam, J. N., & Co., Buffalo, N. Y. Dry, paste, and ready-mixed paints, varnishes, etc. 224,866; renewed Mar. 8, 1947. O. G. Aug. 26. Class 16.
Airubber Corporation, The, Chicago, Ill., to New York Rubber Corporation, New York, N. Y. Inflatable swimming devices. 222,907; renewed Jan. 11, 1947. O. G. Aug. 26. Class 22.
Aktiengesellschaft Chocolat Tobler, to Aktiengesellschaft Chocolat Tobler, Bern, Switzerland. Milk chocolate with cream of almonds. 223,438; renewed Feb. 1, 1947. O. G. Aug. 26. Class 46.
American Cyanamid Company: *See*—
Heller Merz Co., The.
American Fork and Hoe Company, The: *See*—
Kelly Axe & Tool Co.
American Hosiery Company, New Britain, Conn., to American Hosiery Company, Inc., New York, N. Y. Knitted shirts, drawers, and hosiery, etc. 60,352; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 39.
American Hosiery Company, New Britain, Conn., to American Hosiery Company, Inc., New York, N. Y. Knitted shirts, drawers, and hosiery, etc. 60,372; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 39.
American Hosiery Company, New Britain, Conn., to American Hosiery Company, Inc., New York, N. Y. Knitted shirts, drawers, and hosiery, etc. 60,401; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 39.
American Hosiery Company, Inc.: *See*—
American Hosiery Company.
American Photo-Engravers Association, Chicago, Ill. Monthly publication. 227,873; renewed May 17, 1947. O. G. Aug. 26. Class 38.
American Products Company, The, doing business as Zanol Products Company, Cincinnati, Ohio, assignor to Royal Home Products, Incorporated, Richmond, Va. Cleaning, scouring, and polishing substances and articles. 432,212; Aug. 26; Serial No. 481,257; published Dec. 24, 1946. Class 4.

American Smelting and Refining Company, New York, N. Y. Nonferous metals and alloys and ingots, etc. 224,313; renewed Feb. 22, 1947. O. G. Aug. 26. Class 14.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Barbed wire. 223,706; renewed Feb. 8, 1947. O. G. Aug. 26. Class 13.

American Thermos Bottle Company, The, Norwich, Conn. Bottles, jars, decanters, etc. 229,816; renewed July 5, 1947. O. G. Aug. 26. Class 2.

Ames Baldwin Wyoming Co.: *See*—
Ames Shovel and Tool Company.

Ames Shovel and Tool Company, Boston, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 229,646; renewed July 5, 1947. O. G. Aug. 26. Class 23.

Ames Shovel and Tool Company, Boston, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 229,925; renewed July 12, 1947. O. G. Aug. 26. Class 23.

Anti-Friction Bearings Co., Los Angeles, Calif. Ball bearings; roller bearings; pillow blocks, etc. 432,241; Aug. 26; Serial No. 502,786; published May 13, 1947. Class 23.

Apex Electrical Manufacturing Co., The, Cleveland, Ohio. Clothes washing machines. 432,279; Aug. 26; Serial No. 510,472; published May 6, 1947. Class 24.

Arbee Food Products Co., Kansas City, Kans. Pancake flour and breakfast whole wheat cereal. 432,211; Aug. 26; Serial No. 478,103; published June 3, 1947. Class 46.

Ariel Cosmetics: *See*—
Paul, Theodore.

Armstrong Cork Company, Lancaster, Pa. Cork material. 230,324; renewed July 19, 1947. O. G. Aug. 26. Class 50.

Associated Products, Inc., Chicago, Ill. Compacts and vanities. 432,291; Aug. 26; Serial No. 512,365; published May 27, 1947. Class 28.

Atkinson Milling Company, Minneapolis, Minn. Wheat flour. 432,224; Aug. 26; Serial No. 493,878; published June 3, 1947. Class 46.

Badger Rubber Works, The, Milwaukee and Cudahy, Wis., to United States Rubber Company, New York, N. Y. Tires, tire casings, tire sleeves, and inner tubes, etc. 225,872; renewed Mar. 29, 1947. O. G. Aug. 26. Class 35.

Badger Rubber Works, The, Milwaukee and Cudahy, Wis., to United States Rubber Company, New York, N. Y. Cements made wholly or partly of rubber. 225,909; renewed Mar. 29, 1947. O. G. Aug. 26. Class 5.

Badger Rubber Works, The, Milwaukee and Cudahy, Wis., to United States Rubber Company, New York, N. Y. Automobile tires, casings, tubes, hose and belts. 226,038; renewed Mar. 29, 1947. O. G. Aug. 26. Class 35.

Baer, Otto, doing business as United Jewelry Company, Buffalo, N. Y. Jewelry for personal wear (not including watches). 432,225; Aug. 26; Serial No. 493,945; published June 3, 1947. Class 28.

Baldwin Locomotive Works, The, Eddystone, Pa. Hydraulic machinery. 432,312; Aug. 26. Class 23.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 29,791; re-renewed Apr. 6, 1947. O. G. Aug. 26. Class 46.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 223,995; renewed Feb. 15, 1947. O. G. Aug. 26. Class 46.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 224,098; renewed Feb. 15, 1947. O. G. Aug. 26. Class 46.

Ballard & Ballard Co., Louisville, Ky. Stock and poultry feeds. 225,864; renewed Mar. 29, 1947. O. G. Aug. 26. Class 46.

Bamby Products: *See*—
Genovese, Joseph.

Banner Rock Products Co., Alexandria, Ind., to Johns-Manville Corporation, New York, N. Y. Thermal insulating materials. 225,040; renewed Mar. 8, 1947. O. G. Aug. 26. Class 12.

Bates Manufacturing Company, The, Orange, to The Bates Manufacturing Company, West Orange, N. J. Index devices. 230,150; renewed July 12, 1947. O. G. Aug. 26. Class 37.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Piece goods drills. 226,132; renewed Mar. 29, 1947. O. G. Aug. 26. Class 42.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Piece goods satine. 226,133; renewed Mar. 29, 1947. O. G. Aug. 26. Class 42.

Becken, A. C., Co., Chicago, Ill. Pearls. 432,289; Aug. 26; Serial No. 512,315; published May 27, 1947. Class 28.

Behr, Herman, & Company, Incorporated, Brooklyn, to Behr-Manning Corporation, Troy, N. Y. Abrasive papers and cloths. 226,251; renewed Apr. 5, 1947. O. G. Aug. 26. Class 4.

Behr, Herman, & Company, Incorporated, Brooklyn, to Behr-Manning Corporation, Troy, N. Y. Abrasive papers and cloths. 230,043; renewed July 12, 1947. O. G. Aug. 26. Class 4.

Behr-Manning Corporation: *See*—
Behr, Herman, & Company, Incorporated.

Berry Brothers, Limited, Detroit, Mich., to The Sherwin-Williams Company, Cleveland, Ohio. Varnish. 62,060; re-renewed Apr. 16, 1947. O. G. Aug. 26. Class 16.

Best Foods, Inc., The: *See*—
Bixby, S. M., & Co.

Bethlehem Steel Company, Bethlehem, Pa. Publication. 224,903; renewed Mar. 8, 1947. O. G. Aug. 26. Class 38.

Better Packages Inc., assignee: *See*—
Gold, Ira.

Birtman Electric Company: *See*—
Rock Island Mfg. Co.

Bixby, S. M., & Co., to The Best Foods, Inc., New York, N. Y. Leather and shoe blackings, paste, polish, etc. 60,872–3; re-renewed Feb. 26, 1947. O. G. Aug. 26. Class 4.

Bixby, S. M., & Co., to The Best Foods, Inc., New York, N. Y. Leather and shoe blackings, paste, polish, etc. 60,877–8; re-renewed Feb. 26, 1947. O. G. Aug. 26. Class 4.

Bolloy Products Inc., The, Toledo, Ohio. Fuel atomizers. 432,303; Aug. 26. Class 23.

Borden Company, The: *See*—
Old Time Mince Meat Corporation.

Borg-Warner Corporation: *See*—
Warner Gear Company.

Bridgeport Brass Company, Bridgeport, Conn. Bare or uncovered metallic wire and metallic rods. 227,591; renewed May 10, 1947. O. G. Aug. 26. Class 14.

Buckeye Electric Company, The, Cleveland, Ohio, to General Electric Company, Schenectady, N. Y. Incandescent lamps. 59,970; re-renewed Jan. 22, 1947. O. G. Aug. 26. Class 21.

Bucklen, H. E., & Company, Chicago, Ill., to Standard Laboratories, Inc., New York, N. Y. Remedies for disordered liver, biliousness, and constipation, etc. 63,072; re-renewed June 4, 1947. O. G. Aug. 26. Class 6.

Bucklen, H. E., & Company, Chicago, Ill., to Standard Laboratories, Inc., New York, N. Y. Medicinal preparations. 63,444; re-renewed June 18, 1947. O. G. Aug. 26. Class 6.

Burbank Distributors, Burbank, Calif. Flexible leaders. 432,249; Aug. 26; Serial No. 504,960; published May 27, 1947. Class 23.

Burnett, Joseph, Company, Boston, Mass. Pastes for coloring food products. 225,673; renewed Mar. 22, 1947. O. G. Aug. 26. Class 6.

Burroughs Wellcome & Co. (U. S. A.) Inc.: *See*—
Wellcome, Henry S.

Busch, Arnold C., doing business as Busch Mfg. Company, Ann Arbor, Mich. Automobile wash. 432,234; Aug. 26; Serial No. 499,115; published May 27, 1947. Class 4.

Busch Mfg. Company: *See*—
Busch, Arnold C.

Buzzerd, Robert B., Charleston, W. Va. Blank ruled stamp collectors' sheets. 432,261; Aug. 26; Serial No. 507,295; published June 3, 1947. Class 37.

Cannon Valley Milling Company, to Cannon Valley Milling Company, Minneapolis, Minn. Wheat flour. 226,230; renewed Apr. 5, 1947. O. G. Aug. 26. Class 46.

Carbonell y Compania de Cordoba S. A., Cordoba, Spain. Olive oil. 432,206; Aug. 26; Serial No. 458,388; published June 3, 1947. Class 46.

Carnrick, John, New York, N. Y., to Reed & Carnrick, Jersey City, N. J. A metabolized food in the nature of a nutritive tonic. 29,884; re-renewed Apr. 20, 1947. O. G. Aug. 26. Class 6.

Carr, Floyd G., doing business as Rollaway Equipment Co., Lancaster, N. H. Motorscooters. 432,216; Aug. 26; Serial No. 487,595; published Jan. 15, 1946. Class 19.

Central Automatic Sprinkler Company, Philadelphia, to Central Automatic Sprinkler Company, Lansdale, Pa. Sprinklers and valves in automatic fire-extinguishing systems. 226,702–3; renewed Apr. 19, 1947. O. G. Aug. 26. Class 23.

Chanty New York: *See*—
Diaz, C. J.

Chemical Foundation, Incorporated, The: *See*—
Actien-Gesellschaft für Anilin Fabrikation.

Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany, to Schering Corporation, Bloomfield, N. J. Extirpating preparations, disinfectants, etc. 228,156; renewed May 24, 1947. O. G. Aug. 26. Class 6.

Chicago White Lead & Oil Co., The, to The Hooker Glass & Paint Mfg. Co., Chicago, Ill. Dry paste. 228,153–4; renewed May 24, 1947. O. G. Aug. 26. Class 5.

Christian Peper Tobacco Company, St. Louis, Mo. Cigarettes and smoking tobacco. 432,256; Aug. 26; Serial No. 506,257; published May 6, 1947. Class 17.

City Machine Company, Piqua, Ohio. Portable support for clothes lines. 432,338; Aug. 26. Class 24.

Clayton, Benjamin, doing business as Refining, Unincorporated, Pasadena, Calif. Vegetable oil phosphatides. 432,269; Aug. 26; Serial No. 508,716; published June 3, 1947. Class 46.

Cofax Corporation, The, New York, N. Y. Tape printing dispensers. 432,213; Aug. 26; Serial No. 484,246; published May 13, 1947. Class 23.

Coleman Company, Inc., The: *See*—
Coleman Lamp Company, The.

Coleman Lamp Company, The, to The Coleman Company, Inc., Wichita, Kans. Stoves. 217,533; renewed Aug. 31, 1946. O. G. Aug. 26. Class 34.

Colgate & Company, Jersey City, N. J., and New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap and shaving sticks. 230,018; renewed July 12, 1947. O. G. Aug. 26. Class 4.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Company.

Color Tone Products Co., Detroit, Mich. Powdered shoe dye and color restorer. 432,333; Aug. 26. Class 6.

Columbus Iron Works Company, doing business as Southern Plow Co., Columbus, Ga. Plow and cultivator parts. 432,286; Aug. 26; Serial No. 511,380; published June 3, 1947. Class 23.

Consolidated Razor Blade Co. Inc., Jersey City, N. J. Razor blades. 432,322; Aug. 26. Class 23.

Consumer Gas Co., Detroit Lakes, Minn. Propane, butane, and other liquefied petroleum gases. 432,331; Aug. 26. Class 6.

Cory Corporation: *See*—
Cory Glass Coffee Brewer Co.

Cory Glass Coffee Brewer Co., Chicago, Ill., assignor to Cory Corporation. Filter units for coffee makers. 432,297; Aug. 26. Class 13.

Covalda Date Company, Coachella, Calif. Fresh dates. 432,263; Aug. 26; Serial No. 507,891; published June 3, 1947. Class 46.

Cresca Company Incorporated: *See*—
Reiss & Brady.

Decca Records Inc.: *See*—
Samuel, Barnett, and Sons Limited.

Delecta Footwear Co., New York, N. Y. Slippers. 432,315; Aug. 26. Class 39.

De Lescinskis, Leonid, New York, N. Y. Perfume and cologne. 432,321; Aug. 26. Class 6.

De Lescinskis, Leonid, New York, N. Y. Perfumes, toilet waters, colognes, etc. 432,344; Aug. 26. Class 6.

Diaz, Carlos J., to J. Sosa, doing business as Chanty New York, New York, N. Y. Perfume, toilet water, face powder, etc. 224,722; renewed Mar. 1, 1947. O. G. Aug. 26. Class 6.

Dick, A. B., Company, Chicago, Ill. Duplicating machines. 432,257; Aug. 26; Serial No. 506,652; published June 3, 1947. Class 23.

Dickinson, Albert, Company, The, Chicago, Ill. Timothy-seed. 60,340; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 1.

Dickinson, Albert, Company, The, Chicago, Ill. Timothy-seed. 60,351; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 1.

Dickinson, Albert, Company, The, Chicago, Ill. Lawn-grass seeds. 229,188; renewed June 21, 1947. O. G. Aug. 26. Class 1.

Dodge Manufacturing Corporation, Mishawaka, Ind. Machine elements to be mounted on shafts and hub bushings therefor. 432,296; Aug. 26. Class 23.

Donelson, Lewis R., Jr., to Donelson & Poston, Memphis, Tenn. Baking powder. 227,729; renewed May 17, 1947. O. G. Aug. 26. Class 46.

Donelson & Poston: *See*—
Donelson, Lewis R., Jr.

E-Z Opener Bag Company, Decatur, Ill., to Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 227,085; renewed Apr. 26, 1947. O. G. Aug. 26. Class 2.

E-Z Opener Bag Company, Decatur, Ill., to Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 229,665; renewed July 5, 1947. O. G. Aug. 26. Class 2.

Eaton, Charles A., Company, Brockton, Mass. Men's shoes. 224,337; renewed Feb. 22, 1947. O. G. Aug. 26. Class 39.

Elephant Orchards: *See*—
Paine, Charles T.

Endicott-Johnson Co., to Endicott-Johnson Corporation, Endicott, N. Y. Boots and shoes. 64,219; re-renewed July 30, 1947. O. G. Aug. 26. Class 39.

Endicott-Johnson Corporation: *See*—
Endicott-Johnson Co.

Erie City Iron Works, Erie, Pa. Powdered-fuel equipment. 224,349; renewed Feb. 22, 1947. O. G. Aug. 26. Class 23.

Etablissements Gaba: *See*—
Geiger, Dr. H. & Dr. P.

Etablissements Uti, Paris, France. Clocks, watches, jeweled watch cases, etc. 432,287; Aug. 26; Serial No. 511,545; published June 3, 1947. Class 27.

F & F Laboratories, Inc., Chicago, Ill. Hard candy drops. 432,230; Aug. 26; Serial No. 497,079; published May 27, 1947. Class 46.

Falcon Packing Co., Inc., New York, N. Y. Olives. 223,139–40; renewed Jan. 18, 1947. O. G. Aug. 26. Class 46.

Fashion Tops Inc., New York, N. Y. Ladies' garments. 432,302; Aug. 26. Class 39.

Ferlita, G., & Sons, Inc., Tampa, Fla. Wines. 432,335; Aug. 26. Class 47.

Fireman's Supply Co.: *See*—
Harvey, Clarence L.

Fisher Flouring Mills Company, Seattle, Wash. Wheat flour. 227,757; renewed May 17, 1947. O. G. Aug. 26. Class 46.

Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. 227,251; renewed May 3, 1947. O. G. Aug. 26. Class 46.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 432,236; Aug. 26; Serial No. 500,068; published May 27, 1947. Class 17.

Florence Manufacturing Co., The, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Brushes. 29,862; re-renewed Apr. 20, 1947. O. G. Aug. 26. Class 29.

Florence Manufacturing Co., Northampton, Mass., New York, N. Y., and Chicago, Ill., to Pro-phy-lac-tic Brush Company. Brushes. 29,986; re-renewed May 11, 1947. O. G. Aug. 26. Class 29.

Floyd, Wm. H., doing business as Wm. H. Floyd & Co., Los Angeles, Corning, and Del Rosa, Calif. Canned ripe olives. 432,253; Aug. 26; Serial No. 506,022; published May 27, 1947. Class 46.

Floyd, Wm. H., & Co.: *See*—
Floyd, Wm. H.

Foster-McClellan Company, Buffalo, N. Y. Ointments. 63,779; re-renewed July 9, 1947. O. G. Aug. 26. Class 6.

Fram Corporation, East Providence, R. I. Filters and cartridges, fuels and coolants, etc. 432,217; Aug. 26; Serial No. 467,901; published Apr. 23, 1946. Class 23.

Frederick Iron & Steel, Inc., Frederick, Md. Sheet-metal forming machines. 432,280; Aug. 26; Serial No. 510,499; published May 13, 1947. Class 23.

French, Samuel H., & Co., to Samuel H. French & Co., Philadelphia, Pa. Dental plaster. 59,971; re-renewed Jan. 22, 1947. O. G. Aug. 26. Class 44.

Future Homemakers of America, Inc., The, Washington, D. C. Organizations pins, badges, buttons, etc. 432,242; Aug. 26; Serial No. 502,815; published May 27, 1947. Class 28.

Geiger, Dr. H. & Dr. P., Saint Louis, Haut-Rhin, France, to Etablissements Gaba, Fauborg, Paluet, St. Pourcain-sur-Sioule/Allier, France. Throat lozenges. 221,339; re-renewed Nov. 30, 1947. O. G. Aug. 26. Class 6.

Gellman Manufacturing Company, Rock Island, Ill. Bread wrapping and packaging machine. 432,244; Aug. 26; Serial No. 503,073; published May 27, 1947. Class 23.

Gellman Manufacturing Company, Rock Island, Ill. Machine for cutting bread into cubes. 432,316; Aug. 26. Class 23.

General Baking Company, New York, N. Y. Cake. 229,166–7; renewed June 21, 1947. O. G. Aug. 26. Class 46.

General Electric Company: *See*—
Buckeye Electric Company, The.

General Motors Corporation, Detroit, Mich. Automobiles. 224,249; renewed Feb. 22, 1947. O. G. Aug. 26. Class 19.

General Products: *See*—
Jacobs, Sydney R.

Genovese, Joseph, doing business as Bamby Products, Long Island City, N. Y. Soap. 432,233; Aug. 26; Serial No. 498,832; published May 27, 1947. Class 4.

Gerotor May Corporation, Baltimore, Md. Hedge cutters and trimmers. 432,283; Aug. 26; Serial No. 510,674; published May 13, 1947. Class 23.

Gigantic S. A., Geneva, Switzerland. Watches and parts thereof. 432,293; Aug. 26; Serial No. 519,391; published May 27, 1947. Class 27.

Gilmer, L. H., Co., Tacony and Philadelphia, Pa., to United States Rubber Company, New York, N. Y. Woven padding. 224,464; renewed Mar. 1, 1947. O. G. Aug. 26. Class 42.

Gold, Ira, Chicago, Ill., assignor to Better Packages Inc., Chelton, Conn. Small stapling machines. 432,228; Aug. 26; Serial No. 490,653; published May 14, 1946. Class 23.

Goodyear Rubber Company, New York, N. Y., to The Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. 62,398; re-renewed May 7, 1947. O. G. Aug. 26. Class 39.

Goodyear Rubber Company, New York, N. Y., to The Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. 63,153; re-renewed June 11, 1947. O. G. Aug. 26. Class 39.

Goodyear Rubber Company, New York, N. Y., to The Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. 63,493; re-renewed June 25, 1947. O. G. Aug. 26. Class 39.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 228,528; renewed June 7, 1947. O. G. Aug. 26. Class 39.

Graham-Hoeme Manufacturing Co.: *See*—
Graham, William T.

Graham, William T., doing business as Graham-Hoeme Manufacturing Co., Amarillo, Tex. Plows. 432,307; Aug. 26. Class 23.

Greenfield, E. & V., Jewelry Manufacturers, New York, N. Y. Jewelry. 432,272; Aug. 26; Serial No. 509,552; published May 27, 1947. Class 28.

Green Lake Beverage Co.: *See*—
Taylor, John B.

Gretsch, Fred, Mfg. Co., The, Brooklyn, N. Y. Cymbals. 228,592; renewed June 7, 1947. O. G. Aug. 26. Class 36.

Gruenstein, Siegfried E., Chicago, Ill. Monthly magazine. 227,406; renewed May 3, 1947. O. G. Aug. 26. Class 38.

Gulf States Paper Corporation: *See*—
E-Z Opener Bag Company.

Happy Day Company, Inc., Lafayette, La. Root beer. 432,325; Aug. 26. Class 45.

Harris, A. W., Oil Company: *See*—
Harris, Abraham W.

Harris, Abraham W., Providence, R. I., to A. W. Harris Oil Company, East Providence, R. I. Lubricating-oils and lubricating compounds. 59,851; re-renewed Jan. 22, 1947. O. G. Aug. 26. Class 15.

Harris, J. W., Cincinnati, Ohio. Flux for all soldering purposes. 432,343; Aug. 26. Class 6.

Harvey, Clarence L., doing business as Fireman's Supply Co., Belleville, N. J., to United States Rubber Company, New York, N. Y. Rubber boots and shoes. 224,504; renewed Mar. 1, 1947. O. G. Aug. 26. Class 39.

Harvey Manufacturing Company, Racine, Wis. Hammer mills. 432,337; Aug. 26. Class 23.

Harwell, Wilbur F., Charlotte, N. C. Pocket knives. 432,252; Aug. 26; Serial No. 505,828; published May 13, 1947. Class 23.

Heller Merz Co., The, Newark, N. J., to American Cyanamid Company, New York, N. Y. Ball-blue. 60,752; re-renewed Feb. 19, 1947. O. G. Aug. 26. Class 6.

Heller Merz Co., The, Newark, N. J., to American Cyanamid Company, New York, N. Y. Anilin colors and blue. 63,642; re-renewed July 2, 1947. O. G. Aug. 26. Class 6.

Hills Brothers Company, The, New York, N. Y. Dates. 229,171; renewed June 21, 1947. O. G. Aug. 26. Class 46.

Hoffmann-La Roche Chemical Works, The, New York, N. Y., to Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. 230,059; renewed July 12, 1947. O. G. Aug. 26. Class 6.

Hoffmann-La Roche, Inc.: *See*—
Hoffmann-La Roche Chemical Works, The.

Hollywood Doll Manufacturing Company: *See*—
Ippolito, Domenick.

Home Curtain Corp., Far Rockaway, N. Y. Window curtains. 432,298; Aug. 26. Class 42.

Home Curtain Corp., Far Rockaway, N. Y. Window curtains. 432,300; Aug. 26. Class 42.

Home Curtain Corp., Far Rockaway, N. Y. Window curtains. 432,304; Aug. 26. Class 42.

Hooker Glass & Paint Mfg. Co., The: *See*—
Chicago White Lead & Oil Co., The.

House Beautiful Curtains Inc., New York, N. Y. Window curtains, draperies, bedspreads, etc. 432,320; Aug. 26. Class 42.

Houston Oil Field Material Company, Inc., Houston, Tex. Steel fittings. 432,221; Aug. 26; Serial No. 492,267; published June 3, 1947. Class 13.

Hudnut, Richard, New York, N. Y. Perfume and toilet water, talcum powder, etc. 228,747; renewed June 7, 1947. O. G. Aug. 26. Class 6.

Hunt, William, & Sons, The Brades, Limited, Brades Steel Works, near Birmingham, England. Trowels. 61,344; re-renewed Mar. 19, 1947. O. G. Aug. 26. Class 23.

Hydraulic Unit Specialties Company: *See*—
Schneider, Dana J.

Hydro-Tex Corp., Chicago, Ill. Water proof rayon and cotton textile fabrics. 432,295; Aug. 26. Class 42.

Hyster Company, Portland, Oreg. Dragline clamshell cranes. 432,270; Aug. 26; Serial No. 509,004; published May 27, 1947. Class 23.

Imperial Trust for the Encouragement of Scientific and Industrial Research, London, England. Glass flasks. 226,810; renewed Apr. 19, 1947. O. G. Aug. 26. Class 33.

Ingersoll-Rand Company, New York, N. Y., and Phillipsburg, N. J. Stuffing boxes for hydraulic pumps. 432,340; Aug. 26. Class 23.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 432,229; Aug. 26; Serial No. 496,829; published May 6, 1947. Class 22.

Irving, H. A., San Francisco, Calif. Canned fish. 432,223; Aug. 26; Serial No. 493,778; published Apr. 15, 1947. Class 46.

Jacobs, F. L., Co., Detroit, Mich. Clothes washing machines and clothes washing machine cylinders. 432,264; Aug. 26; Serial No. 507,913; published May 13, 1947. Class 24.

Jacobs, Sydney R., doing business as General Products, Chicago, Ill. Cleaning preparation. 432,327; Aug. 26. Class 4.

Johns-Manville Corporation: *See*—
Banner Rock Products Co.

Jordan Marsh Company, Boston, Mass. Brassières. 228,620; renewed June 7, 1947. O. G. Aug. 26. Class 39.

Julian & Kokenge Company, The, Cincinnati, to The Julian & Kokenge Company, Columbus, Ohio. Leather boots and shoes. 227,595; renewed May 10, 1947. O. G. Aug. 26. Class 39.

K-E-M Manufacturing & Sales Co., to Kem Manufacturing Co., Inc., New York, N. Y. Wire terminals and cables. 229,272; renewed June 21, 1947. O. G. Aug. 26. Class 21.

Kelley, Ben F., Company, Tulsa, Okla. Cat heads, safety blocks, rotary slip supports, etc. 432,301; Aug. 26. Class 23.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 228,147; renewed May 24, 1947. O. G. Aug. 26. Class 46.

Kelly Axe & Tool Co., Charleston, W. Va., to The American Fork and Hoe Company, Cleveland, Ohio. Axes, hatchets, hammers, etc. 223,175; renewed Jan. 18, 1947. O. G. Aug. 26. Class 23.

Kem Manufacturing Co., Inc.: *See*—
K-E-M Manufacturing & Sales Co.

Keystone Catarrh Remedy Co., to Keystone Salve Co., Belle Vernon, Pa. Salve. 63,958; re-renewd July 16, 1947. O. G. Aug. 26. Class 6.

Keyston Refractories Company, New York, N. Y., to Keystone Refractories Company, New York, N. Y., and Jersey City, N. J. Plastic firebrick. 230,243; renewed July 19, 1947. O. G. Aug. 26. Class 12.

Keystone Roofing Manufacturing Company, York, Pa. Waterproof paper. 225,284; renewed Mar. 15, 1947. O. G. Aug. 26. Class 37.

Keystone Salve Co.: *See*—
Keystone Catarrh Remedy Co.

Kirk, James S., & Company, to The Procter & Gamble Company, Cincinnati, Ohio. Toilet soap. 227,096; renewed Apr. 26, 1947. O. G. Aug. 26. Class 4.

Kitchen Maid Corporation, The: *See*—
Wasmuth-Endicott Company.

Kleckner, Irving, Brooklyn, N. Y. Nail polish, nail-polish remover, face and talcum powders, etc. 224,817; renewed Mar. 8, 1947. O. G. Aug. 26. Class 6.

Kobrand Corporation, New York, N. Y. Wines. 432,310; Aug. 26. Class 47.

Kroger Co., The: *See*—
Kroger Grocery & Baking Co., The.

Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Apple cider vinegar, sweep-pepper relish, marshmallow creme, etc. 226,258; renewed Apr. 5, 1947. O. G. Aug. 26. Class 46.

Krolopp, Joseph, Youngstown, Ohio, to J. Krolopp, Milwaukee, Wis. Medicines for treatment of cancer, piles, rheumatism, etc. 227,404; renewed May 3, 1947. O. G. Aug. 26. Class 6.

Larus & Brother Company, Inc., also doing business as Reed Tobacco Company Branch, Larus & Brother Company, Inc., Richmond, Va., assignor to Riggio Tobacco Corporation, Brooklyn, N. Y. Cigarettes and smoking tobacco. 432,254; Aug. 26; Serial No. 506,041; published May 13, 1947. Class 17.

Lathan Company, Inc., South San Francisco, Calif. Booster units. 432,214; Aug. 26; Serial No. 486,904; published May 13, 1947. Class 23.

Lavalee & Ide, Inc., Chicopee, Mass. Metal cutting tools. 432,267; Aug. 26; Serial No. 508,534; published May 13, 1947. Class 23.

Lawton & Hall, Chicago, Ill., to United States Rubber Company, New York, N. Y. Umbrellas. 60,938; re-renewed Feb. 26, 1947. O. G. Aug. 26. Class 41.

Lawton & Hall, Chicago, Ill., to United States Rubber Company, New York, N. Y. Rubber coats, pants, leggings, etc. 61,602; re-renewed Mar. 26, 1947. O. G. Aug. 26. Classes 39 and 50.

Leavitt Machine Company, The, Orange, Mass. Apparatus for resurfacing gate, globe and pump valves, etc. 432,317; Aug. 26. Class 23.

Lee Sales Company, New York, N. Y. Ash trays. 432,266; Aug. 26; Serial No. 508,296; published May 27, 1947. Class 8.

Lehn & Fink, Inc., New York, N. Y., to Lehn & Fink Products Corporation, Bloomfield, N. J. Tooth paste. 229,966; renewed July 12, 1947. O. G. Aug. 26. Class 6.

Lehn & Fink Products Corporation: *See*—
Lehn & Fink, Inc.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 432,314; Aug. 26. Class 6.

Link-Belt Company, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., to Link-Belt Company, Chicago, Ill. Drive chains and conveyor chains. 63,003; rerenewed June 4, 1947. O. G. Aug. 26. Class 13.

Link-Belt Company, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., to Link-Belt Company, Chicago, Ill. Drive chains and conveyer chains. 63,052; re-renewed June 4, 1947. O. G. Aug. 26. Class 13.

Link-Belt Company, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., to Link-Belt Company, Chicago, Ill. Drive chains, conveyer chains and chain cables. 63,503; re-renewed June 25, 1947. O. G. Aug. 26. Class 13.

Lipe-Rollway Corporation, Syracuse, N. Y. Power hack saws. 432,341; Aug. 26. Class 23.

Long, C. M., Company: *See*—
Long, Cyrus M.

Long, Cyrus M., doing business as C. M. Long Company, Auburn, Wash. Concrete block machine. 432,334; Aug. 26. Class 23.

Loudonville Milling Company, The, Loudonville, Ohio. Wheat flour. 230,087; renewed July 12, 1947. O. G. Aug. 26. Class 46.

Mac-Ray Products, Detroit, Mich. Toy velocipedes. 432,205; Aug. 26; Serial No. 507,919; published May 6, 1947. Class 22.

Markwell Mfg. Co., Inc., New York, N. Y. Staples. 227,988; renewed May 17, 1947. O. G. Aug. 26. Class 13.

Marshall Field & Company, Chicago, Ill., to Yardley & Co., Limited, London, England. Perfume, toilet water, compacts, etc. 225,220; renewed Mar. 15, 1947. O. G. Aug. 26. Class 6.

McDonough, Edward W., doing business as Moredge Sales Company, Newark, N. J., to J. C. Penney Company, New York, N. Y. Safety-razor blades. 224,743; renewed Mar. 1, 1947. O. G. Aug. 26. Class 23.

McKesson & Robbins, Incorporated: *See*—
Van Vleet-Mansfield Drug Co.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Piston rings and expanders therefor. 432,299; Aug. 26. Class 35.

Merrimac Mills Company, Methuen, Mass. Woolen piece goods. 432,342; Aug. 26. Class 42.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 432,323; Aug. 26. Class 28.

Micheison, William, New York, N. Y. Liqueurs and cordials. 432,318; Aug. 26. Class 49.

Michelson, William, New York, N. Y. Vodka. 432,319; Aug. 26. Class 49.

Mido Societe Anonyme, Bienne, Switzerland. Watches, watch casings and parts of watches. 432,222; Aug. 26; Serial No. 493,274; published June 3, 1947. Class 27.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper labels. 432,220; Aug. 26; Serial No. 489,340; published June 3, 1947. Class 37.

Miles, Dr., Medical Co., The, to Miles Laboratories, Inc., Elkhart, Ind. Tonics, blood, heart and nerve medicines. 60,409; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 6.

Miles, James, doing business as Olin Company, Okeechobee, Fla. Food preparation. 432,218; Aug. 26; Serial No. 488,469; published June 3, 1947. Class 46.

Miles Laboratories, Inc.: *See*—
Miles, Dr., Medical Co., The.

Miller Manufacturing Co., Inc., Portland, Oreg. Fruit and vegetable cutters. 432,281; Aug. 26; Serial No. 510,606; published May 13, 1947. Class 23.

Mohawk Marine Motors, Inc., Garfield, N. J. Marine motors and parts thereof. 432,339; Aug. 26. Class 23.

Montal Watch Fittings Limited, Birmingham, England. Watch chains, metal watch straps, and watch bracelets. 432,326; Aug. 26. Class 28.

Moredge Sales Company: *See*—
McDonough, Edward W.

Naamlooze Vennootschap Handelsvereeniging Udolpho Wolfe: *See*—
Wolfe, Udolpho Co.

Nancy Ann Dressed Dolls, assignor to Nancy Ann Storybook Dolls Inc., San Francisco, Calif. Dressed dolls. 432,208; Aug. 26; Serial No. 468,716; published June 6, 1944. Class 22.

Nancy Ann Storybook Dolls Inc., assignee: *See*—
Nancy Ann Dressed Dolls.

National Candy Company, Jersey City, N. J., and St. Louis, Mo., to New England Confectionery Company, Cambridge, Mass. Candies. 59,906; re-renewed Jan. 22, 1947. O. G. Aug. 26. Class 46.

Neubarth, Samuel, New York, N. Y. Jewelry. 432,311; Aug. 26. Class 28.

Newark Paraffine & Parchment Paper Co., New York, N. Y., to Newark Paraffine & Parchment Paper Co., Newark, N. J. Waxed paper. 226,659; renewed Apr. 19, 1947. O. G. Aug. 26. Class 37.

New England Confectionery Company: *See*—
National Candy Company.

New Homemakers of America, Inc., The, Washington, D. C. Organization pins, badges, buttons, etc. 432,243; Aug. 26; Serial No. 502,831; published May 27, 1947. Class 28.

New York Rubber Corporation: *See*—
Airubber Corporation, The.

North American Coal Corporation, The, Cleveland, Ohio. Coal, carbonized fuel, and coke. 228,500; renewed June 7, 1947. O. G. Aug. 26. Class 1.

Nulomoline Company, The, New York, N. Y. Name and designation of a monthly publication. 224,308; renewed Feb. 22, 1947. O. G. Aug. 26. Class 38.

Nulomoline Company, The, New York, N. Y. Monthly publication. 226,579; renewed Apr. 12, 1947. O. G. Aug. 26. Class 38.

O'Brien, Howard T., doing business as O'Brien Mfg. Co., Chicago, Ill. Electric sewer cleaning machines. 432,271; Aug. 26; Serial No. 509,529; published June 3, 1947. Class 23.

O'Brien Mfg. Co.: *See*—
O'Brien, Howard T.

Ohio Brass Company, The, Mansfield, Ohio. Electrical insulating compositions and compounds. 224,790; renewed Mar. 8, 1947. O. G. Aug. 26. Class 21.

Ohio Injector Company, The, Wadsworth, Ohio. Injectors for stationary and locomotive steam-boilers. 61,712; re-renewed Apr. 2, 1947. O. G. Aug. 26. Class 23.

Old Time Mince Meat Corporation, Syracuse, to The Borden Company, New York, N. Y. Mince meat. 229,817; renewed July 5, 1947. O. G. Aug. 26. Class 46.

Pabst Brewing Company: *See*—
Pabst Corporation.

Pabst Corporation, Milwaukee, Wis., to Pabst Brewing Company, Chicago, Ill. Malt beverage. 228,282; renewed May 24, 1947. O. G. Aug. 26. Class 48.

Pabst Corporation, Milwaukee, Wis., to Pabst Brewing Company, Chicago, Ill. Malt beverage. 228,411; renewed May 31, 1947. O. G. Aug. 26. Class 48.

Pacific Northwest Canning Company, Puyallup, Wash., to Dwight Paulhamus, San Francisco, Calif. Jams, jellies, fruit butters, etc. 229,548; renewed June 28, 1947. O. G. Aug. 26. Class 46.

Paine, Charles T., to Elephant Orchards, Redlands, Calif. Fresh citrous fruits. 227,887; renewed May 17, 1947. O. G. Aug. 26. Class 46.

Palmer Bros. Tool and Forge Co., Meadville, Pa. Tools. 432,305; Aug. 26. Class 23.

Paramount Paper and Specialty Company, Inc., New York, N. Y. Bond paper. 229,709; renewed July 5, 1947. O. G. Aug. 26. Class 37.

Park & Tilford, New York, N. Y. Perfumery, rouge, talcum powder, etc. 224,123; renewed Feb. 15, 1947. O. G. Aug. 26. Class 6.

Patton, James E., Co., Milwaukee, Wis., to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paints. 29,611; re-renewed Feb. 23, 1947. O. G. Aug. 26. Class 16.

Paul, Theodore, doing business as Ariel Cosmetics, New York, N. Y. Personal deodorant. 432,324; Aug. 26. Class 6.

Paulhamus, Dwight: *See*—
Pacific Northwest Canning Company.

Peerless Machine Company, Racine, Wis. Metal cutting power saws. 432,294; Aug. 26. Class 23.

Penney, J. C., Company: *See*—
McDonough, Edward W.

Penney, J. C., Company, Wilmington, Del., and New York, to J. C. Penney Company, New York, N. Y. Suspenders, belts intended for personal wear, arm bands, etc. 224,655; renewed Mar. 1, 1947. O. G. Aug. 26. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, to J. C. Penney Company, New York, N. Y. Cotton piece goods. 225,162; renewed Mar. 15, 1947. O. G. Aug. 26. Class 42.

Penney, J. C., Company, Wilmington, Del., and New York, to J. C. Penney Company, New York, N. Y. Cotton piece goods. 225,576; renewed Mar. 22, 1947. O. G. Aug. 26. Class 42.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cryolite. 223,428; renewed Feb. 1, 1947. O. G. Aug. 26. Class 1.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cryolite. 224,276; renewed Feb. 22, 1947. O. G. Aug. 26. Class 1.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cryolite. 224,276; renewed Feb. 22, 1947. O. G. Aug. 26. Class 1.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Chemical for cleaning drains and sinks. 228,373; renewed May 31, 1947. O. G. Aug. 26. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Solvent emulsion cleaners. 432,245–7; Aug. 26; Serial Nos. 503,122–4; published May 27, 1947. Class 4.

Pfaudler Co., The, Rochester, N. Y. Liquid pasteurizing equipment, liquid evaporating equipment, liquid processing equipment, etc. 432,268; Aug. 26; Serial No. 508,613; published May 13, 1947. Class 23.

Philharmonic Radio Corporation, New York, N. Y., now by change of name Teledyne Corporation, assignor to Philharmonic Radio Corporation, Radio-receiving apparatus, radio-television receiving apparatus, etc. 432,209; Aug. 26; Serial No. 469,273; published Oct. 17, 1944. Class 21.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 225,454; renewed Mar. 22, 1947. O. G. Aug. 26. Class 15.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 225,460; renewed Mar. 22, 1947. O. G. Aug. 26. Class 15.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Lubricating oils. 225,461; renewed Mar. 22, 1947. O. G. Aug. 26. Class 15.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Lubricating oils. 225,487; renewed Mar. 22, 1947. O. G. Aug. 26. Class 15.

Pittsburgh Plate Glass Company: *See*—
Patton, James E., Co.

Poirier, Joseph A., Woonsocket, R. I. Toilet paper roll holders. 432,308; Aug. 26. Class 13.

Portland Cordage Co., The, Portland, Oreg., to Tubbs Cordage Company, San Francisco, Calif. Rope, cord, and twine. 63,475; re-renewed June 25, 1947. O. G. Aug. 26. Class 7.

Pressing Supply Company, Philadelphia, Pa. Ironing board pads and ironing board pad covers. 432,292; Aug. 26; Serial No. 512,747; published May 27, 1947. Class 24.

Procter & Gamble Company, The: *See*—
Kirk, James S., & Company.
Pro-phy-lac-tic Brush Company: *See*—
Florence Manufacturing Co.
Florence Manufacturing Co., The.
Q-P Manufacturing Company, The: *See*—
Q-P Signal Company, The.
Q-P Signal Company, The, to The Q-P Manufacturing Company, Needham Heights, Mass. Packing for stuffing boxes. 226,864; renewed Apr. 19, 1947. O. G. Aug. 26. Class 35.
Qlin Company: *See*—
Miles, James.
Queen City Bottling Company, The, Cincinnati, Ohio. Vichy. 230,250; renewed July 19, 1947. O. G. Aug. 26. Class 6.
R. & H. Pant Co., Boston, Mass. Men's and boys' pants, topcoats, overcoats, etc. 432,330; Aug. 26. Class 39.
Raytool Company, Milwaukee, Wis. Jigs for holding phonograph and radio chassis and radio and phonograph repair tools. 432,329; Aug. 26. Class 23.
Recordak Corporation, New York, N. Y. Check or document endorsing machines. 432,282; Aug. 26; Serial No. 510,616; published May 13, 1947. Class 23.
Redhurd Corporation, Terre Haute, Ind. Pure concentrated eggs. 432,231; Aug. 26; Serial No. 497,201; published June 3, 1947. Class 46.
Reed & Carnrick: *See*—
Carnrick, John.
Reed Tobacco Company Branch: *See*—
Larus & Brother Company, Inc.
Reeves & Sons Limited, London, England. Pencils, chalk holders, rubber erasers, etc. 225,978; renewed Mar. 29, 1947. O. G. Aug. 26. Class 37.
Refining, Unincorporated: *See*—
Clayton, Benjamin.
Reiss & Brady, to Cresca Company Incorporated, New York, N. Y. Macaroni, noodles, wafers, and crackers, etc. 61,058; re-renewed Mar. 5, 1947. O. G. Aug. 26. Class 46.
Reiss & Brady, to Cresca Company Incorporated, New York, N. Y. Cheese. 61,059; re-renewed Mar. 5, 1947. O. G. Aug. 26. Class 46.
Reiss & Brady, to Cresca Company Incorporated, New York, N. Y. Sardines, sardine paste, sprats, etc. 62,252; re-renewed Apr. 30, 1947. O. G. Aug. 26. Class 46.
Reiss & Brady, to Cresca Company Incorporated, New York, N. Y. Canned peas, mushrooms, cherries, etc. 63,322; re-renewed June 11, 1947. O. G. Aug. 26. Class 46.
Riggio Tobacco Corporation, assignee: *See*—
Larus & Brother Company, Inc.
Ritter-Price Company, Stockton, Calif. Fresh deciduous fruits and vegetables, fresh melons, etc. 432,240; Aug. 26; Serial No. 502,462; published May 27, 1947. Class 46.
Robertson, John, & Son, Limited, Dundee, to John Robertson & Son, Limited, Leith, Scotland. Whisky. 63,050; re-renewed June 4, 1947. O. G. Aug. 26. Class 49.
Rock Island Mfg. Co., Rock Island, to Birtman Electric Company, Chicago, Ill. Electric air heaters, electric flat irons, electric toasters, etc. 224,184; renewed Feb. 22, 1947. O. G. Aug. 26. Class 21.
Rollaway Equipment Co.: *See*—
Carr, Floyd G.
Rosemarie de Paris, Inc., New York, N. Y. Candy. 432,251; Aug. 26; Serial No. 505,237; published June 3, 1947. Class 46.
Rosemarie de Paris, Inc., New York, N. Y. Candy. 432,277; Aug. 26; Serial No. 510,200; published June 3, 1947. Class 46.
Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. 432,235; Aug. 26; Serial No. 499,578; published Feb. 11, 1947. Class 46.
Ross, S. Grahame, Limited, Slough, England. Pressure relief valves. 432,226–7; Aug. 26; Serial Nos. 495,333–4; published June 3, 1947. Class 13.
Royal Home Products, Incorporated, assignee: *See*—
American Products Company, The.
Ruth, Paul A., doing business as Paul A. Ruth Company, Phoenix, Ariz. Fresh vegetables and melons. 432,274; Aug. 26; Serial No. 509,878; published May 27, 1947. Class 46.
Ruth, Paul A., Company: *See*—
Ruth, Paul A.
Ryola Health Bread Company, Minneapolis, Minn. Bread. 227,197; renewed May 3, 1947. O. G. Aug. 26. Class 46.
Safeway Stores, Incorporated, Baltimore, Md., Reno, Nev., Oakland, Calif., and elsewhere. Eggs. 432,207; Aug. 26; Serial No. 463,893; published May 27, 1947. Class 46.
Samuel, Barnett, and Sons Limited, London, England, to Decca Records Inc., New York, N. Y. Talking machines and records. 228,686; renewed June 7, 1947. O. G. Aug. 26. Class 36.
Santa Clara Frosted Foods Co., Santa Clara, Calif. Frozen fresh fruits and frozen fresh vegetables. 432,250; Aug. 26; Serial No. 505,074; published May 27, 1947. Class 46.
Schering Corporation: *See*—
Chemische Fabrik auf Actien (vorm. E. Schering).
Schluderberg, William-T. J. Kurdle Company, The, Baltimore, Md. Lards, creamery butter, hams, etc. 227,272; renewed May 3, 1947. O. G. Aug. 26. Class 46.
Schluderberg, William-T. J. Kurdle Company, The, Baltimore, Md. Lards, creamery butter, fresh and smoked hams, etc. 227,273–4; renewed May 3, 1947. O. G. Aug. 26. Class 46.
Schneider, Dana, doing business as Hydraulic Unit Specialties Company, Painesville, Ohio. Hydraulic units. 432,278; Aug. 26; Serial No. 510,202; published June 3, 1947. Class 23.
Schranck, H. C., Company, Milwaukee, Wis. Extracts, sirups, and concentrates. 227,639; renewed May 10, 1947. O. G. Aug. 26. Class 45.
Scovil, D. & H., to D. & H. Scovil, Inc., Higganum, Conn. Hoes. 29,529; re-renewed Jan. 26, 1947. O. G. Aug. 26. Class 23.
Scovil, D. & H., Inc.: *See*—
Scovil, D. & H.
Sexton, John, & Co.: *See*—
Stewart, Jesse C., Co.
Sherwin-Williams Company, The: *See*—
Berry Brothers, Limited.
Shuler & Benninghofen, Hamilton, Ohio. Woolen felts and woolen blankets. 227,261; renewed May 3, 1947. O. G. Aug. 26. Class 42.
Sigma Chi Fraternity, Chicago, Ill. Fraternity badges, lapel buttons; scarf, lapel, and breast pins, etc. 218,796; renewed Oct. 5, 1946. O. G. Aug. 26. Class 28.
Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. 432,238–9; Aug. 26; Serial Nos. 501,016–17; published May 6, 1947. Class 17.
Sinclair Refining Company: *See*—
Pierce Petroleum Corporation.
Smidth, F. L., & Co., New York, N. Y. Conveyers for cement clinker and the like. 228,126; renewed May 24, 1947. O. G. Aug. 26. Class 23.
Smidth, F. L., & Co., New York, N. Y. Clinker coolers. 230,364; renewed July 19, 1947. O. G. Aug. 26. Class 23.
Société Anonyme de Commentry Fourchambault et Decazeville: *See*—
Sté. Ame. de Commentry Fourchambault et Decazeville.
Sorensen, Chris, Parlier, Calif. Fresh deciduous fruits. 432,215; Aug. 26; Serial No. 487,102; published May 27, 1947. Class 46.
Sosa, Jacinto: *See*—
Diaz, C. J.
Southern Plow Co.: *See*—
Columbus Iron Works Company.
Spacarb, Inc., New York, N. Y. Self-vending, carbonated beverage machines. 432,284; Aug. 26; Serial No. 511,299; published May 27, 1947. Class 23.
Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros. Inc., Chicopee, Mass. Elastic bandages, supporters, and suspensories. 62,632; re-renewed May 21, 1907. O. G. Aug. 26. Class 44.
Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros. Inc., Chicopee, Mass. Base-ball, foot-ball, and bicycle stockings, etc. 62,670–1; re-renewed May 21, 1947. O. G. Aug. 26. Class 39.
Spalding, A. G., & Bros. Inc.: *See*—
Spalding, A. G., & Bros.
Spicer Manufacturing Corporation, Toledo, Ohio. Power transmission mechanism. 432,306; Aug. 26. Class 23.
Spokane Toilet Supply Co., Spokane, Wash. Textile tea towels. 225,715; renewed Mar. 22, 1947. O. G. Aug. 26. Class 42.
Standard Laboratories, Inc.: *See*—
Bucklen, H. E., & Company.
Stanley Home Products, Inc., Westfield, Mass. Foot lotion. 432,313; Aug. 26. Class 6.
Sté. Ame. de Commentry Fourchambault et Decazeville, to Société Anonyme de Commentry Fourchambault et Decazeville, Paris, France. Alloy. 63,970; re-renewed July 16, 1947. O. G. Aug. 26. Class 14.
Steensland, Vernon, Syracuse, N. Y. Blank forms. 432,262; Aug. 26; Serial No. 507,644; published June 3, 1947. Class 37.
Steinfeld Blouse & Sportswear Corporation: *See*—
Steinfeld Bros. Inc.
Steinfeld Bros. Inc., to Steinfeld Blouse & Sportswear Corporation, New York, N. Y. Ladies' wearing apparel. 228,413; renewed May 31, 1947. O. G. Aug. 26. Class 39.
Stewart, Jesse C., Co., Pittsburgh, Pa., to John Sexton & Co., Chicago, Ill. Tea, coffee, and spices. 223,916; renewed Feb. 15, 1947. O. G. Aug. 26. Class 46.
Stone, L. R., Company, Inc., Los Angeles, Calif. Candy. 432,275; Aug. 26; Serial No. 509,887; published May 27, 1947. Class 46.
Superdraulic Corporation, Dearborn, Mich. Fluid-operated mechanisms. 432,237; Aug. 26; Serial No. 500,636; published June 3, 1947. Class 23.
Tanqueray, Gordon & Co. Limited, London, England. Whisky. 63,062; re-renewed June 4, 1947. O. G. Aug. 26. Class 49.
Taylor, John B., doing business as Green Lake Beverage Co., Liverpool, N. Y. Nonalcoholic, non-cereal, maltless beverage. 432,336; Aug. 26. Class 46.

Teledyne Corporation: *See*—
Philharmonic Radio Corporation.
Tremblay Machine Shop Ltd., Montreal, Quebec, Canada. Metal drinking cups. 432,219; Aug. 26; Serial No. 488,493; published June 3, 1947. Class 13.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 229,756; renewed July 5, 1947. O. G. Aug. 26. Class 29.
Trico Products Corporation, Buffalo, N. Y. Windshield cleaners. 230,078; renewed July 12, 1947. O. G. Aug. 26. Class 29.
Triumph Laboratories Inc., New York, N. Y. Dispensing closures for beer bottles. 432,328; Aug. 26. Class 13.
Tubbs Cordage Company: *See*—
Portland Cordage Co., The.
Turco Products, Inc., Los Angeles, Calif. General purpose cleaning compound. 432,258; Aug. 26; Serial No. 506,705; published June 3, 1947. Class 4.
Unimex Company, doing business as Unimex Watch Distributors, New York, N. Y. Watches and parts thereof. 432,285; Aug. 26; Serial No. 511,305; published June 3, 1947. Class 27.
Unimex Watch Distributors: *See*—
Unimex Company.
United Clock Corporation, Brooklyn, N. Y. Electric clocks. 432,288; Aug. 26; Serial No. 512,297; published May 27, 1947. Class 27.
United Jewelry Company: *See*—
Baer, Otto.
U. S. Lite-Ray Company, Dayton, Ohio. Water pumps and water distribution systems. 432,255; Aug. 26; Serial No. 506,072; published May 13, 1947. Class 23.
United States Rubber Company: *See*—
Badger Rubber Works, The.
Gilmer, L. H., Co.
Harvey, Clarence L.
Lawton & Hall.
Untermeyer, Robbins & Co., New York, N. Y. Finger rings. 432,290; Aug. 26; Serial No. 512,356; published May 27, 1947. Class 28.
Upjohn Company, The, Kalamazoo, Mich. Effervescent salt. 229,845; renewed July 5, 1947. O. G. Aug. 26. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparations. 230,122; renewed July 12, 1947. O. G. Aug. 26. Class 6.
Van Vleet-Mansfield Drug Co., Memphis, Tenn., to McKesson & Robbins, Incorporated, New York, N. Y. Medicinal tonic and liver invigorator. 228,244; renewed May 24, 1947. O. G. Aug. 26. Class 6.
Venus Corporation, The, New York, N. Y. Sanitary napkins. 230,366; renewed July 19, 1947. O. G. Aug. 26. Class 44.
W. & G. Ribbon Co., Inc., New York, N. Y. Ribbon. 432,309; Aug. 26. Class 42.
Wanamaker, John, Philadelphia: *See*—
Wanamaker, John.
Wanamaker, John, to John Wanamaker Philadelphia, Philadelphia, Pa. Corsets. 63,917; re-renewed July 16, 1947. O. G. Aug. 26. Class 39.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Ladies' hand bags. 230,335; renewed July 19, 1947. O. G. Aug. 26. Class 3.
Ward, Samuel, Manufacturing Company, Boston, Mass. Diaries. 229,652; renewed July 5, 1947. O. G. Aug. 26. Class 37.
Warner Gear Company, Muncie, Ind., to Borg-Warner Corporation, Chicago, Ill. Automobile transmissions. 229,964; renewed July 12, 1947. O. G. Aug. 26. Class 23.
Wasmuth-Endicott Company, to The Kitchen Maid Corporation, Andrews, Ind. Ironing boards. 228,643; renewed June 7, 1947. O. G. Aug. 26. Class 24.
Wasmuth-Endicott Company, to The Kitchen Maid Corporation, Andrews, Ind. Refrigerators. 228,776; renewed June 7, 1947. O. G. Aug. 26. Class 31.
Wasmuth-Endicott Company, to The Kitchen Maid Corporation, Andrews, Ind. Kitchen cabinets, china cabinets, wall cabinets, etc. 229,229; renewed June 21, 1947. O. G. Aug. 26. Class 32.
Watkins, J. R., Company, The, Winona, Minn. Tonics and physics. 223,376; renewed Feb. 1, 1947. O. G. Aug. 26. Class 6.
Webster, F. S., Company: *See*—
Webster, F. S., Co.
Webster, F. S., Co., Boston, Mass., New York, N. Y., Chicago, Ill., and London, England, to F. S. Webster Company, Cambridge, Mass. Printing and duplicating inks and carbon-papers. 29,776; re-renewed Apr. 6, 1947. O. G. Aug. 26. Class 11.
Webster, F. S., Company, Boston, Mass., New York, N. Y., Chicago, Ill., and London, England, to F. S. Webster Company, Cambridge, Mass. Duplicating devices. 30,260; re-renewed June 29, 1947. O. G. Aug. 26. Class 37.
Webster, F. S., Company, Boston, to F. S. Webster Company, Cambridge, Mass. Carbon paper. 224,236; renewed Feb. 22, 1947. O. G. Aug. 26. Class 11.
Webster, F. S., Company, Boston, to F. S. Webster Company, Cambridge, Mass. Inking ribbons and carbon paper. 228,925; renewed June 14, 1947. O. G. Aug. 26. Class 11.
Wellcome, Henry S., London, England, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Preparations of ergot. 60,447; re-renewed Feb. 5, 1947. O. G. Aug. 26. Class 6.
Wellcome, Henry S., London, England, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal digestive preparation. 61,966; re-renewed Apr. 9, 1947. O. G. Aug. 26. Class 6.
Welwel Cigar Mfg. Co., New York, N. Y. Cigars. 432,259; Aug. 26; Serial No. 506,975; published May 6, 1947. Class 17.
Wendell Plastic Fabrics Corp., New York, N. Y. Textile fabrics. 432,332; Aug. 26. Class 42.
Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.
Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass globes or refractors. 224,326; renewed Feb. 22, 1947. O. G. Aug. 26. Class 33.
Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric-lighting fixtures and electric-lighting-fixture units. 225,090; renewed Mar. 8, 1947. O. G. Aug. 26. Class 21.
Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Instruments for measuring and recording voltage surges. 227,652; renewed May 10, 1947. O. G. Aug. 26. Class 26.
Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical transformers and equipment therefor. 229,199; renewed June 21, 1947. O. G. Aug. 26. Class 21.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready mixed varnishes. 226,947; renewed Apr. 26, 1947. O. G. Aug. 26. Class 16.
Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Varnishes and paint enamels. 227,573; renewed May 10, 1947. O. G. Aug. 26. Class 16.
Whale Tool Corp., The, New York, N. Y. Combination pliers, wrench, pipe wrench, etc. 432,248; Aug. 26; Serial No. 504,312; published May 27, 1947. Class 23.
Wheary Incorporated: *See*—
Wheary Trunk Company.
Wheary Trunk Company, to Wheary Incorporated, Racine, Wis. Wardrobe trunks and cases. 224,519; renewed Mar. 1, 1947. O. G. Aug. 26. Class 3.
Wheeling Corrugating Company, Wheeling, W. Va. Dry measures. 223,306; renewed Feb. 1, 1947. O. G. Aug. 26. Class 26.
Wheeling Corrugating Company, Wheeling, W. Va. Fire shovels and rectangular sheet-steel roasters. 223,307; renewed Feb. 1, 1947. O. G. Aug. 26. Class 23.
Wheeling Corrugating Company, Wheeling, W. Va. Stovepipe collars, rubbish burners, stovepipe, etc. 223,692; renewed Feb. 8, 1947. O. G. Aug. 26. Class 34.
Wheeling Corrugating Company, Wheeling, W. Va. Conductor pipe, culvert pipe, conductor elbows, etc. 224,171; renewed Feb. 22, 1947. O. G. Aug. 26. Class 13.
Wheeling Corrugating Company, Wheeling, W. Va. Roofing tin and galvanized steel sheets. 224,669; renewed Mar. 1, 1947. O. G. Aug. 26. Class 14.
Wheeling Steel Corporation, Wheeling, W. Va. Commercial iron and steel products. 226,543; renewed Apr. 12, 1947. O. G. Aug. 26. Class 14.
White Laboratories, Inc., Newark, N. J. Preparation for the prevention and treatment of acute and chronic localized infections. 432,210; Aug. 26; Serial No. 476,997; published Mar. 27, 1945. Class 6.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. 228,217; renewed May 24, 1947. O. G. Aug. 26. Class 23.
Wolfe, Udolpho, Co., to Naamlooze Vennootschap Handelsvereeniging Udolpho Wolfe, New York, N. Y. Aromatic Schiedam schnapps. 59,816; re-renewed Jan. 15, 1947. O. G. Aug. 26. Class 6.
Woods Company, The, Somerton, Ariz. Melons. 432,276; Aug. 26; Serial No. 509,901; published May 27, 1947. Class 46.
Wyeth Incorporated: *See*—
Wyeth, John, and Brother, Incorporated.
Wyeth, John, and Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Medicinal pastes and ointments. 61,734; re-renewed Apr. 2, 1947. O. G. Aug. 26. Class 6.
Yardley & Co., Limited: *See*—
Marshall Field & Company.
Zadek Feldstein Co., Inc., New York, N. Y. Baby rattles, dolls, doll toilet sets, etc. 227,192; renewed May 3, 1947. O. G. Aug. 26. Classes 22 and 38.
Zanol Products Company: *See*—
American Products Company, The.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, carbonized fuel, and coke. North American Coal Corporation. 228,500; renewed June 7, 1947. O. G. Aug. 26.
Cryolite. Pennsylvania Salt Manufacturing Company. 223,428; renewed Feb. 1, 1947. O. G. Aug. 26.
Cryolite. Pennsylvania Salt Manufacturing Company. 224,276; renewed Feb. 22, 1947. O. G. Aug. 26.
Seeds, Lawn-grass. Albert Dickinson Company. 229,188; renewed June 21, 1947. O. G. Aug. 26.
Timothy-seed. Albert Dickinson Company. 60,340; renewed Feb. 5, 1947. O. G. Aug. 26.
Timothy-seed. Albert Dickinson Company. 60,351; renewed Feb. 5, 1947. O. G. Aug. 26.

CLASS 2

Bags, Paper. E-Z Opener Bag Company. 227,085; renewed Apr. 26, 1947. O. G. Aug. 26.
Bags, Paper. E-Z Opener Bag Company. 229,665; renewed July 5, 1947. O. G. Aug. 26.
Bottles, jars, decanters, etc. American Thermos Bottle Company. 229,816; renewed July 5, 1947. O. G. Aug. 26.

CLASS 3

Hand bags, Ladies'. John Wanamaker Philadelphia. 230,335; renewed July 19, 1947. O. G. Aug. 26.
Trunks and cases, Wardrobe. Wheary Trunk Company. 224,519; renewed Mar. 1, 1947. O. G. Aug. 26.

CLASS 4

Abrasive papers and cloths. Herman Behr & Company, Incorporated. 226,251; renewed Apr. 5, 1947. O. G. Aug. 26.
Abrasive papers and cloths. Herman Behr & Company, Incorporated. 230,043; renewed July 12, 1947. O. G. Aug. 26.
Blackings, paste, polish, etc., Leather and shoe. S. M. Bixby & Co. 60,872–3; re-renewed Feb. 26, 1947. O. G. Aug. 26.
Blackings, paste, polish, etc., Leather and shoe. S. M. Bixby & Co. 60,877–8; re-renewed Feb. 26, 1947. O. G. Aug. 26.
Cleaners, Solvent emulsion. Pennsylvania Salt Manufacturing Company. 432,245–7; Aug. 26; Serial No. 503,122–4; published May 27, 1947.
Cleaning compound, General purpose. Turco Products, Inc. 432,258; Aug. 26; Serial No. 506,705; published June 3, 1947.
Cleaning preparation. S. R. Jacobs. 432,327; Aug. 26.
Cleaning, scouring, and polishing substances and articles. American Products Company. 432,212; Aug. 26; Serial No. 481,257; published Dec. 24, 1946.
Soap. J. Genovese. 432,233; Aug. 26; Serial No. 498,832; published May 27, 1947.
Soap and shaving sticks, Shaving. Colgate & Company. 230,018; renewed July 12, 1947. O. G. Aug. 26.
Soap, Toilet. James S. Kirk & Company. 227,096; renewed Apr. 26, 1947. O. G. Aug. 26.
Wash, Automobile. A. C. Busch. 432,234; Aug. 26; Serial No. 499,115; published May 27, 1947.

CLASS 5

Cements made wholly or partly of rubber. Badger Rubber Works. 225,909; renewed Mar. 29, 1947. O. G. Aug. 26.
Paste, Dry. Chicago White Lead & Oil Co. 228,153–4; renewed May 24, 1947. O. G. Aug. 26.

CLASS 6

Aniline colors and blue. Heller Merz Co. 63,642; renewed July 2, 1947. O. G. Aug. 26.
Bail-blue. Heller Merz Co. 60,752; re-renewed Feb. 19, 1947. O. G. Aug. 26.
Chemical for cleaning drains and sinks. Pennsylvania Salt Manufacturing Company. 228,373; renewed May 31, 1947. O. G. Aug. 26.
Deodorant, Personal. T. Paul. 432,324; Aug. 26.
Developers, Photographic. Actien-Gesellschaft für Anilin Fabrikation. 61,920; re-renewed Apr. 9, 1947. O. G. Aug. 26.
Dye and color restorer, Powdered shoe. Color Tone Products Co. 432,333; Aug. 26.
Extirpating preparations, disinfectants, etc. Chemische Fabrik auf Actien, (vorm. E. Schering). 228,156; renewed May 24, 1947. O. G. Aug. 26.
Flux for soldering purposes. J. W. Harris. 432,343; Aug. 26.
Lotion, Foot. Stanley Home Products, Inc. 432,313; Aug. 26.
Lozenges, Throat. Dr. H. and Dr. P. Geiger. 221,339; re-renewed Nov. 30, 1947. O. G. Aug. 26.
Medicinal digestive preparations. H. S. Wellcome. 61,966; re-renewed Apr. 9, 1947. O. G. Aug. 26.
Medicinal pastes and ointments. John Wyeth and Brother, Incorporated. 61,734; re-renewed Apr. 2, 1947. O. G. Aug. 26.
Medicinal preparation. Hoffmann-La Roche Chemical Works. 230,059; renewed July 12, 1947. O. G. Aug. 26.
Medicinal preparation. Eli Lilly and Company. 432,314; Aug. 26.
Medicinal preparations. H. E. Bucklen & Company. 63,444; re-renewed June 18, 1947. O. G. Aug. 26.
Medicinal preparations. Upjohn Company. 230,122; renewed July 12, 1947. O. G. Aug. 26.
Medicinal tonic and liver invigorator. Van Vleet-Mansfield Drug Co. 228,244; renewed May 24, 1947. O. G. Aug. 26.
Medicines for treatment of cancer, piles, rheumatism, etc. J. Krolopp. 227,404; renewed May 3, 1947. O. G. Aug. 26.
Nail polish, nail-polish remover, face and talcum powders, etc. I. Kleckner. 224,817; renewed Mar. 8, 1947. O. G. Aug. 26.
Ointment. Foster-McClellan Company. 63,779; re-renewed July 9, 1947. O. G. Aug. 26.
Pastes for coloring food products. Joseph Burnett Company. 225,673; renewed Mar. 22, 1947. O. G. Aug. 26.
Perfume and cologne. L. de Lescinskis. 432,321; Aug. 26.
Perfume and toilet water, talcum powder, etc. R. Hudnut. 228,747; renewed June 7, 1947. O. G. Aug. 26.
Perfume, toilet water, compacts, etc. Marhsall Field & Company. 225,220; renewed Mar. 15, 1947. O. G. Aug. 26.
Perfume, toilet water, face powder, etc. C. J. Diaz. 224,722; renewed Mar. 1, 1947. O. G. Aug. 26.
Perfumery, rouge, talcum powder, etc. Park & Tilford. 224,123; renewed Feb. 15, 1947. O. G. Aug. 26.
Perfumes, toilet waters, colognes, etc. L. de Lescinskis. 432,344; Aug. 26.
Preparation for the prevention and treatment of acute and chronic localized infections. White Laboratories, Inc. 432,210; Aug. 26; Serial No. 476,997; published Mar. 27, 1945.
Preparations of ergot. H. S. Wellcome. 60,447; re-renewed Feb. 5, 1947. O. G. Aug. 26.
Propane, butane, and other liquefied petroleum gases. Consumers Gas Co. 432,331; Aug. 26.
Remedies for disordered liver, biliousness, and constipation, etc. H. E. Bucklen & Company. 63,072; re-renewed June 4, 1947. O. G. Aug. 26.
Salt, Effervescent. Upjohn Company. 229,845; renewed July 5, 1947. O. G. Aug. 26.
Salve. Keystone Catarrh Remedy Co. 68,958; re-renewed July 16, 1947. O. G. Aug. 26.
Schnapps, Aromatic schiedam. Udolpho Wolfe Co. 59,816; re-renewed Jan. 15, 1947. O. G. Aug. 26.
Tonic, A Metabolized food in the nature of a nutritive. J. Carnrick. 29,884; re-renewed Apr. 20, 1947. O. G. Aug. 26.
Tonics and physics. J. R. Watkins Company. 223,376; renewed Feb. 1, 1947. O. G. Aug. 26.
Tonics, blood, heart and nerve medicines. Dr. Miles Medical Co. 60,409; re-renewed Feb. 5, 1947. O. G. Aug. 26.
Tooth paste. Lehn & Fink. 229,966; renewed July 12, 1947. O. G. Aug. 26.
Vichy. Queen City Bottling Company. 230,250; renewed July 19, 1947. O. G. Aug. 26.

CLASS 7

Rope, cord, and twine. Portland Cordage Co. 63,475; re-renewed June 25, 1947. O. G. Aug. 26.

CLASS 8

Trays, Ash. Lee Sales Company. 432,266; Aug. 26; Serial No. 508,296; published May 27, 1947.

CLASS 11

Carbon paper. F. S. Webster Company. 224,236; renewed Feb. 22, 1947. O. G. Aug. 26.
Inking ribbons and carbon paper. F. S. Webster Company. 228,925; renewed June 14, 1947. O. G. Aug. 26.
Inks and carbon-papers, Printing and duplicating. F. S. Webster Co. 29,776; re-renewed Apr. 6, 1947. O. G. Aug. 26.

CLASS 12

Firebrick, Plastic. Keystone Refractories Company. 230,243; renewed July 19, 1947. O. G. Aug. 26.
Insulating materials, Thermal. Banner Rock Products Co. 225,049; renewed Mar. 8, 1947. O. G. Aug. 26.

CLASS 13

Chains and conveyer chains, Drive. Link-Belt Company. 63,003; re-renewed June 4, 1947. O. G. Aug. 26.

Chains and conveyer chains, Drive. Link-Belt Company. 63,052; re-renewed June 4, 1947. O. G. Aug. 26.
Chains, conveyer chains, and chain cables, Drive. Link-Belt Company. 63,503; re-renewed June 25, 1947. O. G. Aug. 26.
Closures for beer bottles, Dispensing. Triumph Laboratories Inc. 432,328; Aug. 26.
Filter units for coffee makers. Cory Glass Coffee Brewer Co. 432,297; Aug. 26.
Fittings, Steel. Houston Oil Field Material Company, Inc. 432,221; Aug. 26; Serial No. 492,267; published June 3, 1947.
Holders, Toilet paper roll. J. A. Poirier. 432,308; Aug. 26.
Metal drinking cups. Tremblay Machine Shop Ltd. 432,219; Aug. 26; Serial No. 488,493; published June 3, 1947.
Pipe, culvert pipe, conductor elbows, etc., Conductor. Wheeling Corrugating Company. 224,171; renewed Feb. 22, 1947. O. G. Aug. 26.
Staples. Markwell Mfg. Co., Inc. 227,988; renewed May 17, 1947. O. G. Aug. 26.
Valves, Pressure relief. S. Grahame Ross Limited. 432,226–7; Aug. 26; Serial Nos. 495,333–4; published June 3, 1947.
Wire, Barbed. American Steel and Wire Company of New Jersey. 223,706; renewed Feb. 8, 1947. O. G. Aug. 26.

CLASS 14

Alloy. Ste. Ame. de Commentry Fourchambault et Decazeville. 63,970; re-renewed July 16, 1947. O. G. Aug. 26.
Iron and steel products, Commercial. Wheeling Steel Corporation. 226,543; renewed Apr. 12, 1947. O. G. Aug. 26.
Metallic wire and metallic rods, Bare or uncovered. Bridgeport Brass Company. 227,591; renewed May 10, 1947. O. G. Aug. 26.
Metals and alloys and ingots, etc., Non-ferrous. American Smelting and Refining Company. 224,313; renewed Feb. 22, 1947. O. G. Aug. 26.
Roofing tin and galvanized steel sheets. Wheeling Corrugating Company. 224,669; renewed Mar. 1, 1947. O. G. Aug. 26.

CLASS 15

Lubricating-oils and lubricating compounds. A. W. Harris. 59,851; re-renewed Jan. 22, 1947. O. G. Aug. 26.
Oils and greases, Lubricating. Pierce Petroleum Corporation. 225,454; renewed Mar. 22, 1947. O. G. Aug. 26.
Oils and greases, Lubricating. Pierce Petroleum Corporation. 225,460; renewed Mar. 22, 1947. O. G. Aug. 26.
Oils, Lubricating. Pierce Petroleum Corporation. 225,461; renewed Mar. 22, 1947. O. G. Aug. 26.
Oils, Lubricating. Pierce Petroleum Corporation. 225,487; renewed Mar. 22, 1947. O. G. Aug. 26.

CLASS 16

Paints. James E. Patton Co. 29,611; re-renewed Feb. 23, 1947. O. G. Aug. 26.
Paints, varnishes, etc., Dry, paste, and ready-mixed. J. N. Adam & Co. 224,866; renewed Mar. 8, 1947. O. G. Aug. 26.
Paints, varnishes, paint enamels, etc., Dry, paste, and ready-mixed. J. N. Adam & Co. 224,491; renewed Mar. 1, 1947. O. G. Aug. 26.
Paints, varnishes, paint enamels, etc., Dry, paste, and ready-mixed. J. N. Adam & Co. 224,292; renewed Feb. 22, 1947. O. G. Aug. 26.
Varnish. Berry Brothers, Limited. 62,060; re-renewed Apr. 16, 1947. O. G. Aug. 26.
Varnishes and paint enamels. Geo. D. Wetherill & Co., Inc. 227,573; renewed May 10, 1947. O. G. Aug. 26.
Varnishes, Ready mixed. Geo. D. Wetherill & Co., Inc. 226,947; renewed Apr. 26, 1947. O. G. Aug. 26.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 432,236; Aug. 26; Serial No. 500,068; published May 27, 1947.
Cigarettes and smoking tobacco. Larus & Brother Company, Inc. 432,254; Aug. 26; Serial No. 506,041; published May 13, 1947.
Cigarettes and smoking tobacco. Christian Peper Tobacco Company. 432,256; Aug. 26; Serial No. 506,257; published May 6, 1947.
Cigars. Welwel Cigar Mfg. Co. 432,259; Aug. 26; Serial No. 506,975; published May 6, 1947.
Tobacco and cigarettes, Smoking. John Sinclair Limited. 432,238–9; Aug. 26; Serial Nos. 501,016–17; published May 6, 1947.

CLASS 19

Automobiles. General Motors Corporation. 224,249; renewed Feb. 22, 1947. O. G. Aug. 26.
Motorscooters. F. G. Carr. 432,216; Aug. 26; Serial No. 487,595; published Jan. 15, 1946.

CLASS 21

Electric-lighting fixtures and electric-lighting-fixture units. Westinghouse Electric & Manufacturing Company. 225,090; renewed Mar. 8, 1947. O. G. Aug. 26.
Electrical insulating compositions and compounds. The Ohio Brass Company. 224,790; renewed Mar. 8, 1947. O. G. Aug. 26.
Electrical transformers and equipment therefor. Westinghouse Electric & Manufacturing Company. 229,199; renewed June 21, 1947. O. G. Aug. 26.
Heaters, electric flat irons, electric toasters, etc., Electric air. Rock Island Mfg. Co. 224,184; renewed Feb. 22, 1947. O. G. Aug. 26.
Lamps, Incandescent. Buckeye Electric Company. 59,970; re-renewed Jan. 22, 1947. O. G. Aug. 26.
Radio-receiving apparatus, radio-television receiving apparatus, etc. Philharmonic Radio Corporation. 432,209; Aug. 26; Serial No. 469,273; published Oct. 17, 1944.
Terminals and cables, Wire. K-E-M Manufacturing & Sales Co. 229,272; renewed June 21, 1947. O. G. Aug. 26.

CLASS 22

Dolls and dolls' clothes. D. Ippolito. 432,229; Aug. 26; Serial No. 496,829; published May 6, 1947.
Dolls and dolls' clothes. Nancy Ann Dressed Dolls. 432,208; Aug. 26; Serial No. 468,716; published June 6, 1944.
Rattles, dolls, doll toilet sets, etc., Baby. Zadek Feldstein Co., Inc. 227,192; renewed May 3, 1947. O. G. Aug. 26.
Swimming devices, Inflatable. Airubber Corporation. 222,907; renewed Jan. 11, 1947. O. G. Aug. 26.
Toy velocipedes. Mac-Ray Products. 432,265; Aug. 26; Serial No. 507,919; published May 6, 1947.

CLASS 23

Apparatus for resurfacing gate, globe, and pump valves, etc. Leavitt Machine Company. 432,317; Aug. 26.
Atomizers, Fuel. Bolloy Products Inc. 432,303; Aug. 26.
Axes, hatchets, hammers, etc. Kelly Axe & Tool Co. 223,175; renewed Jan. 18, 1947. O. G. Aug. 26.
Ball bearings, roller bearings, pillow blocks, etc. Anti-Friction Bearing Co. 432,241; Aug. 26; Serial No. 502,786; published May 13, 1947.
Beverage machines, Self-vending, carbonated. Spacarb, Inc. 432,284; Aug. 26; Serial No. 511,299; published May 27, 1947.
Block machine, Concrete. C. M. Long. 432,334; Aug. 26.
Booster units. Lathan Company, Inc. 432,214; Aug. 26; Serial No. 486,904; published May 13, 1947.
Cat heads, safety blocks, rotary slip supports, etc. Ben F. Kelley Company. 432,301; Aug. 26.
Check or document endorsing machines. Recordak Corporation. 432,282; Aug. 26; Serial No. 510,616; published May 13, 1947.
Conveyers for cement clinker and the like. F. L. Smidth & Co. 228,126; renewed May 24, 1947. O. G. Aug. 26.
Coolers, Clinker. F. L. Smidth & Co. 230,364; renewed July 19, 1947. O. G. Aug. 26.
Cranes, Dragline clamshell. Hyster Company. 432,270; Aug. 26; Serial No. 509,004; published May 27, 1947.
Cutters and trimmers, Hedge. Gerotor May Corporation. 432,283; Aug. 26; Serial No. 510,674; published May 13, 1947.
Cutters, Fruit and vegetable. Miller Manufacturing Co., Inc. 432,281; Aug. 26; Serial No. 510,606; published May 13, 1947.
Dispensers, Tape printing. Cofax Corporation. 432,213; Aug. 26; Serial No. 484,246; published May 13, 1947.
Duplicating machines. A. B. Dick Company. 432,257; Aug. 26; Serial No. 506,652; published June 3, 1947.
Filters and cartridges, fuels and coolants, etc. Fram Corporation. 432,217; Aug. 26; Serial No. 487,901; published Apr. 23, 1946.
Flexible leaders. Burbank Distributors. 432,249; Aug. 26; Serial No. 504,960; published May 27, 1947.
Fluid-operated mechanisms. Superdraulic Corporation. 432,237; Aug. 26; Serial No. 500,636; published June 3, 1947.
Hoes. D. & H. Scovil. 29,529; re-renewed Jan. 26, 1947. O. G. Aug. 26.
Hydraulic units. D. J. Schneider. 432,278; Aug. 26; Serial No. 510,202; published June 3, 1947.
Injectors for stationary and locomotive steam-boilers. Ohio Injector Company. 61,712; re-renewed Apr. 2, 1907. O. G. Aug. 26.
Jigs for holding phonograph and radio chassis and radio and phonograph repair tools. Raytool Company. 432,329; Aug. 26.
Knives, Pocket. W. F. Harwell. 432,252; Aug. 26; Serial No. 505,828; published May 13, 1947.
Machine elements to be mounted on shafts and hub bushings therefor. Dodge Manufacturing Corporation. 432,296; Aug. 26.
Machine for cutting bread into cubes. Gellman Manufacturing Company. 432,316; Aug. 26.
Machinery, Hydraulic. Baldwin Locomotive Works. 432,312; Aug. 26.
Mills, Hammer. Harvey Manufacturing Company. 432,337; Aug. 26.
Motors and parts thereof, Marine. Mohawk Marine Motors, Inc. 432,339; Aug. 26.
Pasteurizing equipment, liquid evaporating equipment, liquid processing equipment, etc., Liquid. Pfaudler Co. 432,268; Aug. 26; Serial No. 508,613; published May 13, 1947.

Pliers, wrench, pipe wrench, etc., Combination. Whale Tool Corp. 432,248; Aug. 26; Serial No. 504,312; published May 27, 1947.
Plow and cultivator parts. Columbus Iron Works Company. 432,286; Aug. 26; Serial No. 511,380; published June 3, 1947.
Plows. W. T. Graham. 432,307; Aug. 26.
Powdered-fuel equipment. Erie City Iron Works. 224,349; renewed Feb. 22, 1947. O. G. Aug. 26.
Power transmission mechanisms. Spicer Manufacturing Corporation. 432,306; Aug. 26.
Pumps and water distribution systems, Water. U. S. Lite-Ray Company. 432,255; Aug. 26; Serial No. 506,072; published May 13, 1947.
Razor blades. Consolidated Razor Blade Co. Inc. 432,322; Aug. 26.
Safety-razor blades. E. W. McDonough. 224,743; renewed Mar. 1, 1947. O. G. Aug. 26.
Saws, Metal cutting power. Peerless Machine Company. 432,294; Aug. 26.
Saws, Power hack. Lipe-Rollway Corporation. 432,341; Aug. 26.
Sewer cleaning machines, Electric. H. T. O'Brien. 432,271; Aug. 26; Serial No. 509,529; published June 3, 1947.
Sewing machines. White Sewing Machine Corporation. 228,217; renewed May 24, 1947. O. G. Aug. 26.
Sheet metal forming machines. Frederick Iron & Steel, Inc. 432,280; Aug. 26; Serial No. 510,499; published May 13, 1947.
Shovels and rectangular sheet-steel roasters, Fire. Wheeling Corrugating Company. 223,307; renewed Feb. 1, 1947. O. G. Aug. 26.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,646; renewed July 5, 1947. O. G. Aug. 26.
Shovels, spades, and scoops. Ames Shovel and Tool Company. 229,925; renewed July 12, 1947. O. G. Aug. 26.
Sprinklers and valves in automatic fire-extinguishing systems. Central Automatic Sprinkler Company. 226,702–3; renewed Apr. 19, 1947. O. G. Aug. 26.
Stapling machines, Small. I. Gold. 432,228; Aug. 26; Serial No. 490,653; published May 14, 1946.
Stuffing boxes for hydraulic pumps. Ingersoll-Rand Company. 432,340; Aug. 26.
Tools. Palmer Bros. Tool and Forge Co. 432,305; Aug. 26.
Tools, Metal cutting. Lavallee & Ide, Inc. 432,267; Aug. 26; Serial No. 508,534; published May 13, 1947.
Transmissions, Automobile. Warner Gear Company. 229,964; renewed July 12, 1947. O. G. Aug. 26.
Trowels. William Hunt & Sons, The Brades, Limited. 61,344; re-renewed Mar. 19, 1947. O. G. Aug. 26.
Wrapping and packaging machine, Bread. Gellman Manufacturing Company. 432,244; Aug. 26; Serial No. 503,073; published May 27, 1947.
Wrenches, Adjustable. Ace Specialties Co. 432,260; Aug. 26; Serial No. 507,226; published June 3, 1947.

CLASS 24

Ironing board pads and ironing board pad covers. Pressing Supply Company. 432,292; Aug. 26; Serial No. 512,747; published May 27, 1947.
Ironing boards. Wasmuth-Endicott Company. 228,643; renewed June 7, 1947. O. G. Aug. 26.
Support for clothes lines, Portable. City Machine Company. 432,338; Aug. 26.
Washing machines and clothes washing machine cylinders, Clothes. F. L. Jacobs Co. 432,264; Aug. 26; Serial No. 507,913; published May 13, 1947.
Washing machines, Clothes. Apex Electrical Manufacturing Co. 432,279; Aug. 26; Serial No. 510,472; published May 6, 1947.

CLASS 26

Dry measures. Wheeling Corrugating Company. 223,306; renewed Feb. 1, 1947. O. G. Aug. 26.
Instruments for measuring and recording voltage surges. Westinghouse Electric & Manufacturing Company. 227,652; renewed May 10, 1947. O. G. Aug. 26.

CLASS 27

Clocks, Electric. United Clock Corporation. 432,288; Aug. 26; Serial No. 512,297; published May 27, 1947.
Clocks, watches, jeweled watch cases, etc. Etablissements Uti. 432,287; Aug. 26; Serial No. 511,545; published June 3, 1947.
Watches and parts thereof. Unimex Company. 432,285; Aug. 26; Serial No. 511,305; published June 3, 1947.
Watches and parts thereof. Gigantic S. A. 432,293; Aug. 26; Serial No. 519,391; published May 27, 1947.
Watches, watch casings, and parts of watches. Mido Societe Anonyme. 432,222; Aug. 26; Serial No. 493,274; published June 3, 1947.

CLASS 28

Badges, lapel buttons; scarf, lapel, and breast pins, etc., Fraternity. Sigma Chi Fraternity. 218,796; renewed Oct. 5, 1946. O. G. Aug. 26.
Chains, metal watch straps, and watch bracelets, Watch. Montal Watch Fittings Limited. 432,326; Aug. 26.
Compacts and vanities. Associated Products, Inc. 432,291; Aug. 26; Serial No. 512,365; published May 27, 1947.
Jewelry. E. & V. Greenfield Jewelry Manufacturers. 432,272; Aug. 26; Serial No. 509,552; published May 27, 1947.
Jewelry. S. Neubarth. 432,311; Aug. 26.
Jewelry for personal wear (not including watches). O. Baer. 432,225; Aug. 26; Serial No. 493,945; published June 3, 1947.
Necklaces, bracelets, finger rings, etc. Joseph H. Meyer Bros. 432,323; Aug. 26.
Pearls. A. C. Becken Co. 432,289; Aug. 26; Serial No. 512,315; published May 27, 1947.
Pins, badges, buttons, etc., Organization. Future Homemakers of America, Inc. 432,242; Aug. 26; Serial No. 502,815; published May 27, 1947.
Pins, badges, buttons, etc., Organization. New Homemakers of America, Inc. 432,243; Aug. 26; Serial No. 502,831; published May 27, 1947.
Rings, Finger. Untermeyer, Robbins & Co. 432,290; Aug. 26; Serial No. 512,356; published May 27, 1947.

CLASS 29

Brushes. Florence Manufacturing Co. 29,862; re-renewed Apr. 20, 1947. O. G. Aug. 26.
Brushes. Florence Manufacturing Co. 29,986; re-renewed May 11, 1947. O. G. Aug. 26.
Cleaners, Windshield. Trico Products Corporation. 229,756; renewed July 5, 1947. O. G. Aug. 26.
Cleaners, Windshield. Trico Products Corporation. 230,078; renewed July 12, 1947. O. G. Aug. 26.

CLASS 31

Refrigerators. Wasmuth-Endicott Company. 228,776; renewed June 7, 1947. O. G. Aug. 26.

CLASS 32

Cabinets, china cabinets, wall cabinets, etc., Kitchen. Wasmuth-Endicott Company. 229,229; renewed June 21, 1947. O. G. Aug. 26.

CLASS 33

Flasks, Glass. Imperial Trust for the Encouragement of Scientific and Industrial Research. 226,810; renewed Apr. 19, 1947. O. G. Aug. 26.
Globes or refractors, Glass. Westinghouse Electric & Manufacturing Company. 224,326; renewed Feb. 22, 1947. O. G. Aug. 26.

CLASS 34

Collars, rubbish burners, stovepipe, etc., Stovepipe. Wheeling Corrugating Company. 223,692; renewed Feb. 8, 1947. O. G. Aug. 26.
Stoves. Coleman Lamp Company. 217,533; renewed Aug. 31, 1946. O. G. Aug. 26.

CLASS 35

Packing for stuffing boxes. Q-P Signal Company. 226,864; renewed Apr. 19, 1947. O. G. Aug. 26.
Piston rings and expanders therefor. McQuay-Norris Manufacturing Co. 432,299; Aug. 26.
Tires, casings, tubes, hose, and belts, Automobile. Badger Rubber Works. 226,038; renewed Mar. 29, 1947. O. G. Aug. 26.
Tires, tire casings, tire sleeves, and inner tubes, etc. Badger Rubber Works. 225,872; renewed Mar. 29, 1947. O. G. Aug. 26.

CLASS 36

Cymbals. Fred. Gretsch Mfg. Co. 228,592; renewed June 7, 1947. O. G. Aug. 26.
Talking machines and records. Barnett Samuel and Sons Limited. 228,686; renewed June 7, 1947. O. G. Aug. 26.

CLASS 37

Blank forms. V. Steensland. 432,262; Aug. 26; Serial No. 507,544; published June 3, 1947.
Diaries. Samuel Ward Manufacturing Company. 229,652; renewed July 5, 1947. O. G. Aug. 26.
Duplicating devices. F. S. Webster Company. 30,260; re-renewed June 29, 1947. O. G. Aug. 26.
Index devices. Bates Manufacturing Company. 230,150; renewed July 12, 1947. O. G. Aug. 26.
Labels, Gummed paper. Mid-States Gummed Paper Co. 432,220; Aug. 26; Serial No. 489,340; published June 3, 1947.
Paper, Bond. Paramount Paper and Specialty Company. 229,709; renewed July 5, 1947. O. G. Aug. 26.
Paper, Waterproof. Keystone Roofing Manufacturing Company. 225,284; renewed Mar. 15, 1947. O. G. Aug. 26.
Paper, Waxed. Newark Paraffine & Parchment Paper Co. 226,659; renewed Apr. 19, 1947. O. G. Aug. 26.
Pencils, chalk holders, rubber erasers, etc. Reeves & Sons Limited. 225,978; renewed Mar. 29, 1947. O. G. Aug. 26.
Stamp collectors' sheets, Blank ruled. R. B. Buzzerd. 432,261; Aug. 26; Serial No. 507,295; published June 3, 1947.

CLASS 38

Magazine, Monthly. S. E. Gruenstein. 227,406; renewed May 3, 1947. O. G. Aug. 26.

Publication. Bethlehem Steel Company. 224,903; renewed Mar. 8, 1947. O. G. Aug. 26.
Publication, Monthly. American Photo-Engravers Association. 227,873; renewed May 17, 1947. O. G. Aug. 26.
Publication, Monthly. Nulomoline Company. 226,579; renewed Apr. 12, 1947. O. G. Aug. 26.
Publication, Name and designation of a monthly. Nulomoline Company. 224,308; renewed Feb. 22, 1947. O. G. Aug. 26.
Rattles, dolls, doll toilet sets, etc., Baby. Zadek Feldstein Co., Inc. 227,192; renewed May 3, 1947. O. G. Aug. 26.

CLASS 39

Base-ball, foot-ball and bicycle stockings, etc. A. G. Spalding & Bros. 62,670–1; re-renewed May 21, 1947. O. G. Aug. 26.
Boots and shoes. Endicott-Johnson Co. 64,219; re-renewed July 30, 1947. O. G. Aug. 26.
Boots and shoes, Leather. Julian & Kokenge Company. 227,595; renewed May 10, 1947. O. G. Aug. 26.
Boots and shoes, Rubber. Goodyear Rubber Company. 62,398; re-renewed May 7, 1947. O. G. Aug. 26.
Boots and shoes, Rubber. Goodyear Rubber Company. 63,153; re-renewed June 11, 1947. O. G. Aug. 26.
Boots and shoes, Rubber. Goodyear Rubber Company. 63,493; re-renewed June 25, 1947. O. G. Aug. 26.
Boots and shoes, Rubber. C. L. Harvey. 224,504; renewed Mar. 1, 1947. O. G. Aug. 26.
Brassières. Jordan Marsh Company. 228,620; renewed June 7, 1947. O. G. Aug. 26.
Coats, pants, leggings, etc., Rubber. Lawton & Hall. 61,602; re-renewed Mar. 26, 1947. O. G. Aug. 26.
Corsets. John Wanamaker. 63,917; re-renewed July 16, 1947. O. G. Aug. 26.
Garments, Ladies'. Fashion Tops Inc. 432,302; Aug. 26.
Handkerchiefs. Acheson Harden Co. 230,386; renewed July 19, 1947. O. G. Aug. 26.
Hosiery. Gotham Silk Hosiery Company, Inc. 228,528; renewed June 7, 1947. O. G. Aug. 26.
Pants, topcoats, overcoats, etc., Men's and boys'. R. & H. Pant Co. 432,330; Aug. 26.
Shirts, drawers, and hosiery, etc., Knitted. American Hosiery Company. 60,352; re-renewed Feb. 5, 1947. O. G. Aug. 26.
Shirts, drawers, and hosiery, etc., Knitted. American Hosiery Company. 60,372; re-renewed Feb. 5, 1947. O. G. Aug. 26.
Shirts, drawers, and hosiery, etc., Knitted. American Hosiery Company. 60,401; re-renewed Feb. 5, 1947. O. G. Aug. 26.
Shoes, Men's. Charles A. Eaton Company. 224,337; renewed Feb. 22, 1947. O. G. Aug. 26.
Slippers. Delecta Footwear Co. 432,315; Aug. 26.
Suspenders, belts intended for personal wear, arm bands, etc. J. C. Penney Company. 224,655; renewed Mar. 1, 1947. O. G. Aug. 26.
Wearing apparel, Ladies'. Steinfeld Bros. Inc. 228,413; renewed May 31, 1947. O. G. Aug. 26.

CLASS 41

Umbrellas. Lawton & Hall. 60,938; re-renewed Feb. 26, 1947. O. G. Aug. 26.

CLASS 42

Curtains, draperies, bedspreads, etc., Window. House Beautiful Curtains Inc. 432,320; Aug. 26.
Curtains, Window. Home Curtain Corp. 432,298; Aug. 26.
Curtains, Window. Home Curtain Corp. 432,300; Aug. 26.
Curtains, Window. Home Curtain Corp. 432,304; Aug. 26.
Padding, Woven. L. H. Gilmer Co. 224,464; renewed Mar. 1, 1947. O. G. Aug. 26.
Piece goods, Cotton. J. C. Penney Company. 225,162; renewed Mar. 15, 1947. O. G. Aug. 26.
Piece goods, Cotton. J. C. Penney Company. 225,576; renewed Mar. 22, 1947. O. G. Aug. 26.
Piece goods drills. Bear Mill Manufacturing Company, Inc. 226,132; renewed Mar. 29, 1947. O. G. Aug. 26.
Piece goods satine. Bear Mill Manufacturing Company, Inc. 226,133; renewed Mar. 29, 1947. O. G. Aug. 26.
Piece goods, Woolen. Merrimac Mills Company. 432,342; Aug. 26.
Ribbon. W. & G. Ribbon Co., Inc. 432,309; Aug. 26.
Textile fabrics. Wendell Plastic Fabrics Corp. 432,332; Aug. 26.
Textile fabrics, Water proof rayon and cotton. Hydro-Tex Corp. 432,295; Aug. 26.
Towels, Textile tea. Spokane Toilet Supply Co. 225,715; renewed Mar. 22, 1947. O. G. Aug. 26.
Woolen felts and woolen blankets. Shuler & Benninghofen. 227,261; renewed May 3, 1947. O. G. Aug. 26.

CLASS 44

Bandages, supporters, and suspensories, Elastic. A. G. Spalding & Bros. 62,632; re-renewed May 21, 1947. O. G. Aug. 26.
Dental plaster. Samuel H. French & Co. 59,971; re-renewed Jan. 22, 1947. O. G. Aug. 26.
Sanitary napkins. Venus Corporation. 230,366; renewed July 19, 1947. O. G. Aug. 26.

CLASS 45

Beverage, Nonalcoholic, non-cereal maltless. J. B. Taylor. 432,336; Aug. 26.
Extracts, sirups, and concentrates. H. C. Schranck Company. 227,639; renewed May 10, 1947. O. G. Aug. 26.
Root beer. Happy Day Company, Inc. 432,325; Aug. 26.

CLASS 46

Baking powder. L. R. Donelson, Jr. 227,729; renewed May 17, 1947. O. G. Aug. 26.
Bread. Ryola Health Bread Company. 227,197; renewed May 3, 1947. O. G. Aug. 26.
Breakfast food, Cereal. Kellogg Company. 228,147; renewed May 24, 1947. O. G. Aug. 26.
Cake. General Baking Company. 229,166–7; renewed June 21, 1947. O. G. Aug. 26.
Candies. National Candy Company. 59,906; re-renewed Jan. 22, 1947. O. G. Aug. 26.
Candy. Rosemarie de Paris, Inc. 432,251; Aug. 26; Serial No. 505,237; published June 3, 1947.
Candy. Rosemarie de Paris, Inc. 432,277; Aug. 26; Serial No. 510,200; published June 3, 1947.
Candy. L. R. Stone Company, Inc. 432,275; Aug. 26; Serial No. 509,887; published May 27, 1947.
Candy drops, Hard. F & F Laboratories, Inc. 432,230; Aug. 26; Serial No. 497,079; published May 27, 1947.
Canned fish. H. A. Irving. 432,223; Aug. 26; Serial No. 493,778; published Apr. 15, 1947.
Canned peas, mushrooms, cherries, etc. Reiss & Brady. 63,322; re-renewed June 11, 1947. O. G. Aug. 26.
Canned ripe olives. Wm. H. Floyd. 432,253; Aug. 26; Serial No. 506,022; published May 27, 1947.
Cheese. Reiss & Brady. 61,059; re-renewed Mar. 5, 1947. O. G. Aug. 26.
Chewing gum. Flank H. Fleer Corporation. 227,251; renewed May 3, 1947. O. G. Aug. 26.
Cider vinegar, sweet-pepper relish, marshmallow creme, etc., Apple. Kroger Grocery & Baking Co. 226,258; renewed Apr. 5, 1947. O. G. Aug. 26.
Dates. Hills Brothers Company. 229,171; renewed June 21, 1947. O. G. Aug. 26.
Dates, Fresh. Covalda Date Company. 432,263; Aug. 26; Serial No. 507,891; published June 3, 1947.
Eggs. Safeway Stores, Incorporated. 432,207; Aug. 26; Serial No. 463,893; published May 27, 1947.
Eggs, Pure concentrated. Redhurd Corporation. 432,231; Aug. 26; Serial No. 497,201; published June 3, 1947.
Feeds, Stock and poultry. Ballard & Ballard Co. 225,864; renewed Mar. 29, 1947. O. G. Aug. 26.
Flour and breakfast whole wheat cereal, Pancake. Arbee Food Products Co. 432,211; Aug. 26; Serial No. 478,103; published June 3, 1947.
Flour, Wheat. Atkinson Milling Company. 432,224; Aug. 26; Serial No. 493,878; published June 3, 1947.
Flour, Wheat. Ballard & Ballard Co. 223,995; renewed Feb. 15, 1947. O. G. Aug. 26.
Flour, Wheat. Ballard & Ballard Co. 224,098; renewed Feb. 15, 1947. O. G. Aug. 26.
Flour, Wheat. Cannon Valley Milling Company. 226,230; renewed Apr. 5, 1947. O. G. Aug. 26.
Flour, Wheat. Fisher Flouring Mills Company. 227,757; renewed May 17, 1947. O. G. Aug. 26.
Flour, Wheat. Loudonville Milling Company. 230,087; renewed June 12, 1947. O. G. Aug. 26.
Food preparation. J. Miles. 432,218; Aug. 26; Serial No. 488,469; published June 3, 1947.
Foodstuffs. Aarhus Oliefabrik A/S. 432,232; Aug. 26; Serial No. 498,477; published May 27, 1947.
Fresh citrous fruits. C. T. Paine. 227,887; renewed May 17, 1947. O. G. Aug. 26.
Fruits and frozen fresh vegetables, Frozen fresh. Santa Clara Frosted Foods Co. 432,250; Aug. 26; Serial No. 505,074; published May 27, 1947.
Fruits and vegetables, fresh melons, etc., Fresh deciduous. Ritter-Price Company. 432,240; Aug. 26; Serial No. 502,462; published May 27, 1947.
Fruits, Fresh deciduous. C. Sorensen. 432,215; Aug. 26; Serial No. 487,102; published May 27, 1947.
Fruits, fresh vegetables and fresh melons, Fresh deciduous. Rose Valley Produce Company. 432,235; Aug. 26; Serial No. 499,578; published Feb. 11, 1947.
Jams, jellies, fruit butters, etc. Pacific Northwest Canning Company. 229,548; renewed June 28, 1947. O. G. Aug. 26.
Lards, creamery butter, fresh and smoked hams, etc. William Schluderberg-T. J. Kurdle Company. 227,273–4; renewed May 3, 1947. O. G. Aug. 26.
Lards, creamery butter, hams, etc. William Schluderberg-T. J. Kurdle Company. 227,272; renewed May 3, 1947. O. G. Aug. 26.
Macaroni, noodles, wafers, and crackers, etc. Reiss & Brady. 61,058; re-renewed Mar. 5, 1947. O. G. Aug. 26.
Meat, Mince. Old Time Mince Meat Corporation. 229,817; renewed July 5, 1947. O. G. Aug. 26.
Melons. Woods Company. 432,276; Aug. 26; Serial No. 509,901; published May 27, 1947.
Milk chocolate with cream of almonds. Aktiengesellschaft Chocolat Tobler. 223,438; renewed Feb. 1, 1947. O. G. Aug. 26.

Olive oil. Carbonell y Compania de Cordoba S. A. 432,206; Aug. 26; Serial No. 458,388; published June 3, 1947.
Olives. Falcon Packing Co., Inc. 223,139–40; renewed Jan. 18, 1947. O. G. Aug. 26.
Peanut butter. Abilene Foods Co. 432,273; Aug. 26; Serial No. 509,810; published May 27, 1947.
Sardines, sardine paste, sprats, etc. Reiss & Brady. 62,252; re-renewed Apr. 30, 1947. O. G. Aug. 26.
Tea, coffee and spices. Jesse C. Stewart Co. 223,916; renewed Feb. 15, 1947. O. G. Aug. 26.
Vegetable oil phosphatides. B. Clayton. 432,269; Aug. 26; Serial No. 508,716; published June 3, 1947.
Vegetables and melons, Fresh. P. A. Ruth. 432,274; Aug. 26; Serial No. 509,878; published May 27, 1947.
Wheat-flour. Ballard & Ballard Company. 29,791; re-renewed Apr. 6, 1947. O. G. Aug. 26.

CLASS 47

Wines. G. Ferlita & Sons, Inc. 432,335; Aug. 26.
Wines. Kobrand Corporation. 432,310; Aug. 26.

CLASS 48

Malt beverage. Pabst Corporation. 228,282; renewed May 31, 1947. O. G. Aug. 26.
Malt beverage. Pabst Corporation. 228,411; renewed May 31, 1947. O. G. Aug. 26.

CLASS 49

Liqueurs and cordials. W. Michelson. 432,318; Aug. 26.
Vodka. W. Michelson. 432,319; Aug. 26.
Whisky. John Robertson & Son, Limited. 63,050; re-renewed June 4, 1947. O. G. Aug. 26.
Whisky. Tanqueray Gordon & Co. 63,062; re-renewed June 4, 1947. O. G. Aug. 26.

CLASS 50

Coats, pants, leggings, etc., Rubber. Lawton & Hall. 61,602; re-renewed Mar. 26, 1947. O. G. Aug. 26.
Cork material. Armstrong Cork Company. 230,324; renewed July 19, 1947. O. G. Aug. 26.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Smith, Warren M., Baton Rouge, La., and C. J. Wilson, Norwalk, Conn., assignors to Standard Oil Development Company. Antioxidant. Re. 22,909; Aug. 26.
Standard Oil Development Company, assignee: *See*— Smith, Warren M., and Wilson.
Wilson, Carroll J.: *See*— Smith, Warren M., and Wilson.

LIST OF PLANT PATENTEES

Amling, Albert F. Co., assignee: *See*— Hildebrandt, John T.
Clarke, W. B., & Co., assignee: *See*— Clarke, Walter B.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 754; Aug. 26.
Hildebrandt, John T., Melrose Park, assignor to Albert F. Amling Co., Maywood, Ill. Rose plant. 755; Aug. 26.
Legendre, Jacques L., Wachapreague, Va. Phlox plant. 756; Aug. 26.

LIST OF DESIGN PATENTEES

American Greeting Publishers Inc., assignee: *See*— Stone, Morris S.
Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Oil bar. 147,359; Aug. 26.
Bach, Alfons, Stamford, Conn., assignor to Syracuse Ornamental Co., Inc., Syracuse, N. Y. Tray. 147,360; Aug. 26.
Bentzinger, William E., Sioux Falls, S. Dak., assignor to General Time Instruments Corporation, New York, N. Y. Wall clock. 147,361; Aug. 26.
Bunting Glider Company, assignee: *See*— Roth, Andrew.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Jewelry pin or similar article. 147,362; Aug. 26.
Coca-Cola Company, assignee: *See*— Loewy, Raymond.
Columbia Protektosite Co., Inc., assignee: *See*— Utley, Lewis S.
Danilowicz, Frank J., Cleveland, Ohio. Tobacco smoking pipe. 147,363; Aug. 26.
Dibble, Robert F., assignor to The Royal Corporation, New York, N. Y. Display box or similar article. 147,364; Aug. 26.
General Time Instruments Corporation, assignee: *See*— Bentzinger, William E.
Gordon, Eli, and H. Sanders, Los Angeles, Calif. Toy animal figure. 147,365; Aug. 26.
Grossniklaus, Alice J., Wilmot, Ohio. Fireplace mantel. 147,366; Aug. 26.
Hasche, Carl H., Glendale, Calif. Child's seat or similar article. 147,367; Aug. 26.
Levoy, Monroe B., New York, N. Y. Spectacle frame or similar article. 147,368; Aug. 26.
Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Cooler. 147,369; Aug. 26.
Loewy, Raymond, New York, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Cooler cabinet. 147,370; Aug. 26.
Marsh, Earle S., Temple City, Calif. Hose reel. 147,372; Aug. 26.
Marx, Louis, & Company, Inc., assignee: *See*— Campbell, Laurie J.
McNatton, Sylvia G., Muscatine, Iowa. Tombstone. 147,371; Aug. 26.
Meltzer, Morris, Detroit, Mich. Tool handle or similar article. 147,373; Aug. 26.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*— Shaffer, Alfred E.
Nemeroff, Victor, Chicago, Ill. Bed lamp. 147,374; Aug. 26.
Oshman, Joseph, New York, N. Y. Toy pistol. 147,375; Aug. 26.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 147,376; Aug. 26.
Roth, Andrew, assignor to Bunting Glider Company, Philadelphia, Pa. Chaise longue. 147,377; Aug. 26.
Rouse, Calvin, Jamaica, N. Y. Toy bird. 147,378; Aug. 26.
Royal Corporation, The, assignee: *See*— Dibble, Robert F.
Sanders, Henry: *See*— Gordon, Eli, and Sanders.
Sandler, Jacob, New York, N. Y. Shoe. 147,379; Aug. 26.
Sandler, Jacob, New York, N. Y. Shoe. 147,380; Aug. 26.
Sandler, Jacob, New York, N. Y. Shoe. 147,381; Aug. 26.
Saum, Floyd S., Denver, Colo. Building. 147,382; Aug. 26.
Shaffer, Alfred E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoe sole. 147,383; Aug. 26.
Stewart-Warner Corporation, assignee: *See*— Ayres, Francis L.
Stone, Morris S., University Heights, assignor to American Greeting Publishers Inc., Cleveland, Ohio. Card cabinet or similar article. 147,384; Aug. 26.
Stone, Morris S., University Heights, assignor to American Greeting Publishers Inc., Cleveland, Ohio. Card cabinet or similar article. 147,385; Aug. 26.
Syracuse Ornamental Co., Inc., assignee: *See*— Bach, Alfons.
Thomas, Glenn, Toledo, Ohio. Telephone chair. 147,386; Aug. 26.
Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.
Utley, Lewis S., Forest Hills, N. Y., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb with a handle. 147,387; Aug. 26.
Wahrer, George W., Cleveland, Ohio. Plaque. 147,388; Aug. 26.

LIST OF PATENTEES

TO WHOM

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NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., and W. L. Perry, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,426,167; Aug. 26.

Abbott, Edward J., and W. L. Perry, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,426,168; Aug. 26.

Abbott Machine Company, assignee: *See*—
Abbott, Edward J., and Perry.

Abrams, Victor R., Maplewood, N. J. Dishwashing machine. 2,426,291; Aug. 26.

Acres, Richard L., assignor to W. F. Curlee, Houston, Tex. Conduit coupling. 2,426,332; Aug. 26.

Adams, Pierrepont: *See*—
Swain, Robert C.

Adams, Robert T., Baltimore, Md., and J. A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer and unloading apparatus. 2,426,169; Aug. 26.

Aerojet Engineering Corporation, assignee: *See*—
Large Charles B., Zucrow, and Hirsch.
Rutishauser, Hans, Brumfield, and Zwicky.
Van Dorn, William E.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Gertler, Samuel I., and Haller.

Akers, Raymond F., San Diego, Calif. Grinding wheel arbor. 2,426,170; Aug. 26.

Alderfer, Sterling W., assignor to Andrews-Alderfer Processing Company, Incorporated, Akron, Ohio. Apparatus for spreading viscous or plastic materials. 2,246,572; Aug. 26.

Alderfer, Sterling W., assignor to Tel-O-Post Company, Akron, Ohio. Collapsible bench. 2,426,573; Aug. 26.

All American Aviation, Inc., assignee: *See*—
Stanley, Amos L.

Allied Chemical & Dye Corporation, assignee: *See*—
Bulifant, Theodore A.
Engel, Karl H.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Taylor, Philip L.

Aluminum Company of America, assignee: *See*—
Chew, Frank D.
Menking, Heinz.

Alverson, Robert M., Arlington, Va. Protective device for rocket components. 2,426,171; Aug. 26.

Ambrose, Dermot M.: *See*—
Chatterjea, Prafulla K., and Ambrose.

American Can Company, assignee: *See*—
Jacobs, Samuel S., and Birkland.

American Cyanamid Company, assignee: *See*—
Goulding, John P., Parker, and Denton.

American Textile Company, Inc., assignee: *See*—
Straw, Samuel A.

American Tractor Equipment Corporation, assignee: *See*—
Wooldridge, Mack.

Anderson, Albert L., assignee, et al.: *See*—
Krebs, Daniel D.

Anderson, Clare, Fayson Lakes, N. J., assignor to Realty Industrial Corporation. Electrical measuring apparatus. 2,426,383; Aug. 26.

Anderson, Will R., assignee, et al.: *See*—
Krebs, Daniel D.

Andersson, Nils A., Alsten, assignor to A/B Chr. Olsson, Värtan, Sweden. Tank wagon welded in one piece. 2,426,481; Aug. 26.

Andrews-Alderfer Processing Company, Incorporated, assignee: *See*—
Alderfer, Sterling W.

Andrews, Edward D., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Method and apparatus for reducing turbulence to increase the density of the material within a container being packed. 2,426,574; Aug. 26.

Andrews, Edward F., assignee: *See*—
O'Brien, William J.

Antrim, Louis C., New York, N. Y., and F. Schultz, Cliffside Park, assignors to Autographic Register Company, Hoboken, N. J. Paper feeding device for writing machines. 2,426,333; Aug. 26.

Appleman, Joseph F., Chicago, Ill. Garment hanger. 2,426,292; Aug. 26.

Atwood Vacuum Machine Company, The, assignee: *See*—
Tierney, William J.

Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Push plate mounting for earth movers. 2,426,426; Aug. 26.

Autographic Register Company, assignee: *See*—
Antrim, Louis C., and Schultz.

Autoyre Company, Incorporated, The, assignee: *See*—
Sanford, Roy S., and Murphy.

Avco Manufacturing Corporation, assignee: *See*—
Lampton, Glen T., and Woolf.

Bachman, Joseph L.: *See*—
Karp, Charles D., and Bachman.

Bahner, Carl T., Jefferson City, Tenn. Aliphatic nitro derivatives of cyanoacetic esters and preparing them. 2,426,158; Aug. 26.

Baldwin Locomotive Works, The, assignee: *See*—
De Forest, Alfred V.

Balle, Gerhard, Frankfort-on-the-Main, J. Rosenbach, Wiesbaden, and L. Orthner, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Quaternary ammonium salts and process of preparing them. 2,426,293; Aug. 26.

Banks, Richard B.: *See*—
Cole, Harold E., McAlinden, and Banks.

Banning, Thomas A., Jr., Chicago, Ill. Wing for airplanes and the like. 2,426,334; Aug. 26.

Banning, Thomas A., Jr., Chicago, Ill. Side wall sampling apparatus. 2,426,335; Aug. 26.

Barbieri, Cesare, New York, N. Y., assignor to Dixie Cup Company. Making paper cups. 2,426,159; Aug. 26.

Bass, Walter A., Brundidge, Ala. Bridle. 2,426,427; Aug. 26.

Batchelor, Clyde S., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Treating friction material. 2,426,294; Aug. 26.

Baxter, Charles L.: *See*—
Taylor, Warren G., and Baxter.

Beall, Frank, Detroit, Mich. Rotary cylinder engine, opposed sliding abutments. 2,426,428; Aug. 26.

Bednash, Casper S.: *See*—
Richardson, Avery G., and Bednash.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Carlson, Carl P., Chesnut, and Knowlton.
De Lange, Owen E.
Doherty, William H.
Espenschied, Lloyd.
Hight, Stuart C.
Newhouse, Russell C.
Skellett, Albert M.

Bels, Basil A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Electrical connector. 2,426,429; Aug. 26.

Benning, Anthony F., Woodstown, N. J., assignor to Kinetic Chemicals, Inc., Wilmington, Del. Fluorination of unsaturated compounds. 2,426,172; Aug. 26.

Benson, N. P., assignee, et al.: *See*—
Krebs, Daniel D., and Lea.

Berndtson, John O., Short Beach, assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Transmission mechanism. 2,426,160; Aug. 26.

Biederman, Joseph B., Cincinnati, Ohio. Nasal device. 2,426,161; Aug. 26.

Binns, William, Harrogate, England. Manufacture of sponge rubber. 2,426,430; Aug. 26.

Binus, David J., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Dental chair and the like. 2,426,336; Aug. 26.

Bird, Byron M., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Discharge device for the lower stratum component from fluid-pervious reciprocating stratifying tables. 2,426,337; Aug. 26.

Birdsboro Steel Foundry & Machine Co., assignee: *See*—
Japikse, Bertrand.

Birkland, Stellan: *See*—
Jacobs, Samuel S., and Birkland.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Acylated amines. 2,426,338; Aug. 26.

Blanchard, Francis W., assignor to Hewitt Rubber Corporation, Buffalo, N. Y. Manufacture of flexible containers. 2,426,384; Aug. 26.

Bloom, Mortimer C., Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y. Selenium coating by immersion. 2,426,173; Aug. 26.

Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. 1-methylolcyclohexyl-cyclohexyl carbinol diacetate. 2,426,162; Aug. 26.

Blumenfeld, Samuel, assignor to Clothing Devices, Inc., Detroit, Mich. Pressing machine attachment. 2,426,431; Aug. 26.

Boemanns, Herman J., Raleigh, N. C. Hat form retainer and support. 2,426,339; Aug. 26.

Booth, Jack J., Dallas, Tex. Light reflecting sign. 2,426,163; Aug. 26.

Born, Leo W., Collingswood, N. J., assignor to Radio Corporation of America. Frequency modulation system with crystal oscillator. 2,426,295; Aug. 26.

Borngraeber, Royce R., assignor to The Van Brunt Manufacturing Co., Horicon, Wis. Soil pulverizer with cleaner. 2,426,482; Aug. 26.

Boswell, Thomas L., assignor to Elgin National Watch Company, Elgin, Ill. Making jewel bearings. 2,426,546; Aug. 26.

Bottomley, Frank, Barrington, R. I., assignor to Sealol Corporation. Seal. 2,426,174; Aug. 26.

Boucher, Herman G., Wood River, and T. F. Leeds, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Reactivation of sulfide catalysts. 2,426,483; Aug. 26.

Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Fabricated piston ring. 2,426,385; Aug. 26.

Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.

Breckner, Gary C., Beverly Hills, and E. F. Robinson, Long Beach, Calif. Child's vehicle. 2,426,432; Aug. 26.

Breukelman, Christian W., Trinidad, British West Indies. Cementing tool for oil wells. 2,426,164; Aug. 26.

Broderick & Bascom Rope Company, assignee: *See*—
Von Wehrden, Frederick W.

Broders, Claude E., assignor to V. Gauvreau, Detroit, Mich. Automatic feed head. 2,426,386; Aug. 26.

Brumfield, Robert C.: *See*—
Rutishauser, Hans, Brumfield, and Zwicky.

Buckley, Gerard D., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemicals Industries Limited. Anthraquinone dyestuffs. 2,426,547; Aug. 26.

Budd Company, The, assignee: *See*—
Eksergian, Carolus L.

Buffenbarger, James F., assignor to The Gardner-Richardson Company, Middletown, Ohio. Carton construction. 2,426,484; Aug. 26.

Bulifant, Theodore A., Hackensack, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Vulcanizate of copolymer of butadiene and styrene having dispersed therein paracoumarone resin and filler. 2,426,165; Aug. 26.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.
Ge Wertz, Arthur L.
Rogoff, Julian.

Burt, Fred, assignee, et al.: *See*—
Harmon, Luther R.

Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine using a hand stick. 2,426,166; Aug. 26.

Bush, Eugene S., Portland, Oreg. Nail straightener. 2,426,340; Aug. 26.

Busignies, Henri G.: *See*—
Deloraine, Edmond M., Labin, and Busignies.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Direction finder. 2,426,175; Aug. 26.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Direction finder. 2,426,176; Aug. 26.

Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilizing marine oils. 2,426,485; Aug. 26.

Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilization of fatty materials. 2,426,486; Aug. 26.

Canfield, Charles M., Utica, assignor to General Cable Corporation, New York, N. Y. Process and apparatus for vulcanization. 2,426,341; Aug. 26.

Capon, Leslie J. E., East Taphouse, and J. Carne, East Taphouse, near Liskeard, England; said Carne assignor to said Capon. Plough. 2,426,548; Aug. 16.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Fowler, George W., and Fitzpatrick.

Carlson, Carl P., Tenafly, R. W. Chesnut, Upper Montclair, and A. D. Knowlton, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resonator. 2,426,177; Aug. 26.

Carne, John: *See*—
Capon, Leslie E. J., and Carne.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Peterson, William J.

Carter Carburetor Corporation, assignee: *See*—
Hennemann, Raymond G.

Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Article orienting mechanism. 2,426,433; Aug. 26.

Casazza, Patsy, Sr., Paterson, N. J. Hair curling clasp. 2,426,258; Aug. 26.

Casella, Vincent, assignee: *See*—
Lipani, Joseph.

Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker contact. 2,426,387; Aug. 26.

Catalin Corporation of America, assignee: *See*—
Magrane, John K., Esterly, and Davies.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Easter.

Chambers, Cyril H., assignor to Standard Telephones and Cables Limited, London, England. Intelligence reproducing system. 2,426,178; Aug. 26.

Chapman, William B., Colorado Springs, Colo. Chasing mill with stationary table and radially arranged roller. 2,426,434; Aug. 26.

Chartrand, Browning O., San Jose, Calif. Dental impression tray. 2,426,388; Aug. 26.

Chase Brass & Copper Co., Incorporated, assignee: *See*—
Vanderwell, Raimund G.

Chatterjea, Prafulla K., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical relaxation oscillators. 2,426,179; Aug. 26.

Chesnut, Roy W.: *See*—
Carlson, Carl P., Chesnut, and Knowlton.

Chesny, Heinz H., Worksop, England. Apparatus for removing soluble impurities from solid substances. 2,426,296; Aug. 26.

Chew, Frank D., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for recovering scrap metal. 2,426,389; Aug. 26.

Chianese, Joseph, assignor to S. Froehlich Co., Inc., New York, N. Y. Belt. 2,426,435; Aug. 26.

Chicago Pneumatic Tool Company, assignee: *See*—
O'Farrell, Matthew.

Christiansen, Frederick A., Beverly Hills, assignor of fifty per cent to L. Rhodes, Los Angeles, and fifty per cent to W. H. Hammer, Beverly Hills, Calif. Toy aircraft. 2,426,259; Aug. 26.

Chrysler Corporation, assignee: *See*—
Neracher, Carl A., and Dunn.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.

Clark, C. & J., Limited, assignee: *See*—
MacKay, James E.

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Machine for making wedge heels and the like. 2,426,487; Aug. 26.

Clothing Devices, Inc., assignee: *See*—
Blumenfeld, Samuel.

Coat Craft Company, assignee: *See*—
Goldstein, Aaron A.

Coca-Cola Company, The, assignee: *See*—
Kelly, Eugene.

Cochener, David L., Kansas City, Mo. Fluorescent lamp fixture. 2,426,436; Aug. 26.

Cole, Harold E., H. O. McAlinden, and R. B. Banks, Toronto, Ontario, Canada. Toy. 2,426,437; Aug. 26.

Columbia Recording Corporation, assignee: *See*—
Rodman, Isaac P.

Columbus Auto Parts Company, The, assignee: *See*—
Klages, Reynold E., and Flumerfelt.

Commercial Solvents Corporation, assignee: *See*—
Senkus, Murray.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.

Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for air spring pressures in free-piston units. 2,426,297; Aug. 26.

Coppock, Walter J., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Lubricant composition. 2,426,549; Aug. 26.

Cosmet Company, assignee: *See*—
Krebs, Daniel D., and Lea.

Courtney, Wilbur E., Philadelphia, Pa., assignor to Kaiser Fleetwings, Inc. Deforming sheet material on predetermined spaced lines. 2,426,260; Aug. 26.

Couse, Kibbey W., Newark, N. J. Drive wheel and traction belt for road vehicles. 2,426,342; Aug. 26.

Coventry Gauge & Tool Company Limited, assignee: *See*—
Walnwright, John E.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Beverage can. 2,426,550; Aug. 26.

Crane Co., assignee: *See*—
Fennema, Richard.

Crew, Charles W.: *See*—
Frisch, Wayne R., and Crew.

Crew, Ruth A., administratrix: *See*—
Frisch, Wayne R., and Crew.

Cromer, Harold W.: *See*—
Long, Kenneth E., and Cromer.

Curlee, William F., assignee: *See*—
Acres, Richard L.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,426,261; Aug. 26.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railroad draft gear friction shock absorbing mechanism. 2,426,262; Aug. 26.

Davalle, Michael A.: *See*—
Miller, William P., Davalle, and Dickens.

Davidson, Charles D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual motor control. 2,426,488; Aug. 26.

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Doherty, William H.
Espenschied, Lloyd.
Hight, Stuart C.
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Birdsboro Steel Foundry & Machine Co., assignee: *See*—
Japikse, Bertrand.

Birkland, Stellan: *See*—
Jacobs, Samuel S., and Birkland.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Acylated amines. 2,426,338; Aug. 26.

Blanchard, Francis W., assignor to Hewitt Rubber Corporation, Buffalo, N. Y. Manufacture of flexible containers. 2,426,384; Aug. 26.

Bloom, Mortimer C., Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y. Selenium coating by immersion. 2,426,173; Aug. 26.

Bludworth, Joseph E., and D. P. Easter, Cumberland, Md., assignors to Celanese Corporation of America. 1-methylolcyclohexyl-cyclohexyl carbinol diacetate. 2,426,162; Aug. 26.

Blumenfeld, Samuel, assignor to Clothing Devices, Inc., Detroit, Mich. Pressing machine attachment. 2,426,431; Aug. 26.

Boemanns, Herman J., Raleigh, N. C. Hat form retainer and support. 2,426,339; Aug. 26.

Booth, Jack J., Dallas, Tex. Light reflecting sign. 2,426,163; Aug. 26.

Born, Leo W., Collingswood, N. J., assignor to Radio Corporation of America. Frequency modulation system with crystal oscillator. 2,426,295; Aug. 26.

Borngraeber, Royce R., assignor to The Van Brunt Manufacturing Co., Horicon, Wis. Soil pulverizer with cleaner. 2,426,482; Aug. 26.

Boswell, Thomas L., assignor to Elgin National Watch Company, Elgin, Ill. Making jewel bearings. 2,426,546; Aug. 26.

Bottomley, Frank, Barrington, R. I., assignor to Sealol Corporation. Seal. 2,426,174; Aug. 26.

Boucher, Herman G., Wood River, and T. F. Leeds, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Reactivation of sulfide catalysts. 2,426,483; Aug. 26.

Bowers, Thomas A., assignor to Power Research Corporation, Boston, Mass. Fabricated piston ring. 2,426,385; Aug. 26.

Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.

Breckner, Gary C., Beverly Hills, and E. F. Robinson, Long Beach, Calif. Child's vehicle. 2,426,432; Aug. 26.

Breukelman, Christian W., Trinidad, British West Indies. Cementing tool for oil wells. 2,426,164; Aug. 26.

Broderick & Bascom Rope Company, assignee: *See*—
Von Wehrden, Frederick W.

Broders, Claude E., assignor to V. Gauvreau, Detroit, Mich. Automatic feed head. 2,426,386; Aug. 26.

Brumfield, Robert C.: *See*—
Rutishauser, Hans, Brumfield, and Zwicky.

Buckley, Gerard D., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemicals Industries Limited. Anthraquinone dyestuffs. 2,426,547; Aug. 26.

Budd Company, The, assignee: *See*—
Eksergian, Carolus L.

Buffenbarger, James F., assignor to The Gardner-Richardson Company, Middletown, Ohio. Carton construction. 2,426,484; Aug. 26.

Bulifant, Theodore A., Hackensack, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Vulcanizate of copolymer of butadiene and styrene having dispersed therein paracoumarone resin and filler. 2,426,165; Aug. 26.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.
Ge Wertz, Arthur L.
Rogoff, Julian.

Burt, Fred, assignee, et al.: *See*—
Harmon, Luther R.

Burt, Harold A., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine using a hand stick. 2,426,166; Aug. 26.

Bush, Eugene S., Portland, Oreg. Nail straightener. 2,426,340; Aug. 26.

Busignies, Henri G.: *See*—
Deloraine, Edmond M., Labin, and Busignies.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Direction finder. 2,426,175; Aug. 26.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Direction finder. 2,426,176; Aug. 26.

Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilizing marine oils. 2,426,485; Aug. 26.

Buxton, Loran O., Newark, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilization of fatty materials. 2,426,486; Aug. 26.

Canfield, Charles M., Utica, assignor to General Cable Corporation, New York, N. Y. Process and apparatus for vulcanization. 2,426,341; Aug. 26.

Capon, Leslie J. E., East Taphouse, and J. Carne, East Taphouse, near Liskeard, England; said Carne assignor to said Capon. Plough. 2,426,548; Aug. 16.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Fowler, George W., and Fitzpatrick.

Carlson, Carl P., Tenafly, R. W. Chesnut, Upper Montclair, and A. D. Knowlton, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical resonator. 2,426,177; Aug. 26.

Carne, John: *See*—
Capon, Leslie E. J., and Carne.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Peterson, William J.

Carter Carburetor Corporation, assignee: *See*—
Hennemann, Raymond G.

Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Article orienting mechanism. 2,426,433; Aug. 26.

Casazza, Patsy, Sr., Paterson, N. J. Hair curling clasp. 2,426,258; Aug. 26.

Casella, Vincent, assignee: *See*—
Lipani, Joseph.

Caswell, Arthur S., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker contact. 2,426,387; Aug. 26.

Catalin Corporation of America, assignee: *See*—
Magrane, John K., Esterly, and Davies.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Easter.

Chambers, Cyril H., assignor to Standard Telephones and Cables Limited, London, England. Intelligence reproducing system. 2,426,178; Aug. 26.

Chapman, William B., Colorado Springs, Colo. Chasing mill with stationary table and radially arranged roller. 2,426,434; Aug. 26.

Chartrand, Browning O., San Jose, Calif. Dental impression tray. 2,426,388; Aug. 26.

Chase Brass & Copper Co., Incorporated, assignee: *See*—
Vanderwell, Raimund G.

Chatterjea, Prafulla K., and D. M. Ambrose, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical relaxation oscillators. 2,426,179; Aug. 26.

Chesnut, Roy W.: *See*—
Carlson, Carl P., Chesnut, and Knowlton.

Chesny, Heinz H., Worksop, England. Apparatus for removing soluble impurities from solid substances. 2,426,296; Aug. 26.

Chew, Frank D., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for recovering scrap metal. 2,426,389; Aug. 26.

Chianese, Joseph, assignor to S. Froehlich Co., Inc., New York, N. Y. Belt. 2,426,435; Aug. 26.

Chicago Pneumatic Tool Company, assignee: *See*—
O'Farrell, Matthew.

Christiansen, Frederick A., Beverly Hills, assignor of fifty per cent to L. Rhodes, Los Angeles, and fifty per cent to W. H. Hammer, Beverly Hills, Calif. Toy aircraft. 2,426,259; Aug. 26.

Chrysler Corporation, assignee: *See*—
Neracher, Carl A., and Dunn.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.

Clark, C. & J., Limited, assignee: *See*—
MacKay, James E.

Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Machine for making wedge heels and the like. 2,426,487; Aug. 26.

Clothing Devices, Inc., assignee: *See*—
Blumenfeld, Samuel.

Coat Craft Company, assignee: *See*—
Goldstein, Aaron A.

Coca-Cola Company, The, assignee: *See*—
Kelly, Eugene.

Cochener, David L., Kansas City, Mo. Fluorescent lamp fixture. 2,426,436; Aug. 26.

Cole, Harold E., H. O. McAlinden, and R. B. Banks, Toronto, Ontario, Canada. Toy. 2,426,437; Aug. 26.

Columbia Recording Corporation, assignee: *See*—
Rodman, Isaac P.

Columbus Auto Parts Company, The, assignee: *See*—
Klages, Reynold E., and Flumerfelt.

Commercial Solvents Corporation, assignee: *See*—
Senkus, Murray.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.

Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for air spring pressures in free-piston units. 2,426,297; Aug. 26.

Coppock, Walter J., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Lubricant composition. 2,426,549; Aug. 26.

Cosmet Company, assignee: *See*—
Krebs, Daniel D., and Lea.

Courtney, Wilbur E., Philadelphia, Pa., assignor to Kaiser Fleetwings, Inc. Deforming sheet material on predetermined spaced lines. 2,426,260; Aug. 26.

Couse, Kibbey W., Newark, N. J. Drive wheel and traction belt for road vehicles. 2,426,342; Aug. 26.

Coventry Gauge & Tool Company Limited, assignee: *See*—
Wainwright, John E.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Beverage can. 2,426,550; Aug. 26.

Crane Co., assignee: *See*—
Fennema, Richard.

Crew, Charles W.: *See*—
Frisch, Wayne R., and Crew.

Crew, Ruth A., administratrix: *See*—
Frisch, Wayne R., and Crew.

Cromer, Harold W.: *See*—
Long, Kenneth E., and Cromer.

Curlee, William F., assignee: *See*—
Acres, Richard L.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,426,261; Aug. 26.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railroad draft gear friction shock absorbing mechanism. 2,426,262; Aug. 26.

Davalle, Michael A.: *See*—
Miller, William P., Davalle, and Dickens.

Davidson, Charles D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Dual motor control. 2,426,488; Aug. 26.

Davies, Richard E.: *See*—
Magrane, John K., Esterly, and Davies.
Davis, Harold A., Belleville, Mich. Can key. 2,426,180; Aug. 26.
Davy, Robert E., San Diego, assignor to J. H. Myers, Jr., Grossmont, Calif. Fish stringer. 2,426,298; Aug. 26.
Dayton Rubber Manufacturing Company, The, assignee: *See*—
Lucas, Enrique L.
Deakin, Gerald, New York, N. Y., and H. F. Herbig, Madison, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Apparatus for phase and synchronism control. 2,426,181; Aug. 26.
Deere & Company, assignee: *See*—
Silver, Walter H.
De Forest, Alfred V., Marlboro, N. H., assignor to The Baldwin Locomotive Works. Straightening apparatus. 2,426,390; Aug. 26.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Oxidized dimer of 9,11-linolo-diricinolein and making same. 2,426,489; Aug. 26.
De Groote, Melvin, St. Louis, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Hydroxyacetylated and oxidized dimer of 9,11-linolo-diricinolein, and making same. 2,426,490; Aug. 26.
De Lange, Owen E., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time division radar ranging system. 2,426,182; Aug. 26.
Deloraine, Edmond M., and E. Labin, New York, and H. G. Busignies, Forest Hills, assignors to International Standard Electric Corporation, New York, N. Y. Reflected wave direction finder. 2,426,183; Aug. 26.
Deloraine, Edmond M., and G. J. Lehmann, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio guiding system. 2,426,184; Aug. 26.
Del Zoppo, Menotti, New York, N. Y. Method and apparatus for waving hair. 2,426,343; Aug. 26.
Denton, John J.: *See*—
Goulding, John P., Parker, and Denton.
De Pew, Chester C., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder construction. 2,426,438; Aug. 26.
Dickens, Virgil E.: *See*—
Miller, William P., Davalle, and Dickens.
Dickenson, John G., Toronto, Ontario, Canada. Device for splitting diamond drill cores. 2,426,344; Aug. 26.
Dillon, Irving W., Melrose, Mass. Variable delivery movable vane pump for a fluid transmission mechanism. 2,426,491; Aug. 26.
Distad, Merril F.: *See*—
Page, Robert M., Distad, and Wilson.
Dixie Cup Company, assignee: *See*—
Barbieri, Cesare.
Doherty, William H., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translation of microwaves. 2,426,185; Aug. 26.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Signal portraying apparatus. 2,426,439; Aug. 26.
Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Camel. 2,426,345; Aug. 26.
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra high frequency switch. 2,426,186; Aug. 26.
Downie, John W., Schenectady, N. Y., assignor to General Electric Company. Aircraft landing system. 2,426,440; Aug. 26.
Dronsfield, Samuel W., Wilmslow, England. Manufacture of abrasive materials. 2,426,441; Aug. 26.
Dryden, Charles E.: *See*—
Buxton, Loran O., and Dryden.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Spector, Morris.
Dunn, William T.: *See*—
Neracher, Carl A., and Dunn.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Earle, Norman E.
Hamilton, Lyle A., and Pedersen.
Mochel, Walter E.
Schweikher, Ernest W.
Tauch, Ernest J.
Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Compression die. 2,426,492; Aug. 26.
Dyer, Charles W., Stratton, Maine. Change-speed mechanism for lathes. 2,426,299; Aug. 26.
Earp, Charles W., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Pulsed carrier frequency demodulator. 2,426,187; Aug. 26.
Easter, Donald P.: *See*—
Bludworth, Joseph E., and Easter.
Eastman Kodak Company, assignee: *See*—
Hicks, Lester M.
Economic Machinery Company, assignee: *See*—
Carter, Sidney T.
Edelstein, Sidney M., Elizabeth, N. J. Method and composition for waterproofing. 2,426,300; Aug. 26.
Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake control device. 2,426,575; Aug. 26.
Elgin National Watch Company, assignee: *See*—
Boswell, Thomas L.
Ellis, Delbert, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Latch for contactors. 2,426,301; Aug. 26.
Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Dinnerware decorating apparatus. 2,426,391; Aug. 26.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Separation of 2,4,6-collidine from nitrogen base mixtures. 2,426,442; Aug. 26.
Eriksson, John A., and F. V. Jensen, assignors to Jensen Specialties, Inc., Detroit, Mich. Apparatus for processing rope. 2,426,493; Aug. 26.
Escande, Jean R. A., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telecommunication system. 2,426,188; Aug. 26.
Espenschied, Lloyd, Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locating system. 2,426,189; Aug. 26.
Esterly, Amos R.: *See*—
Magrane, John D., Esterly, and Davies.
Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Heat detection device. 2,426,494; Aug. 26.
Fahnestock, Frank C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Producing gasoline of high antiknocking characteristics. 2,426,495; Aug. 26.
Fain, Jacob M.: *See*—
Tilden, Sydney G., Snell, and Fain.
Fairchild Engine and Airplane Corporation, assignee: *See*—
DePew, Chester C.
Farley, Francis F., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Corrosion protecting compositions. 2,426,496; Aug. 26.
Fawcett, Cecil C., Philadelphia, Pa. Mechanical time fuse. 2,426,190; Aug. 26.
Federal Telecommunication Laboratories, Inc., assignee: *See*—
Grieg, Donald D., and Levine.
Federal Telephone and Radio Corporation, assignee: *See*—
Bloom, Mortimer C.
Busignies, Henri G.
Deloraine, Edmond M., and Lehmann.
Grieg, Donald D.
Hoisington, William F.
Krause, Irving A.
Labin, Emile, and Kandoian.
Peckham, David H.
Richardson, Avery G., and Bednash.
Skinker, Murray F.
Taylor, Warren G., and Baxter.
Widmaier, William.
Feight, Oscar J., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Compartmented safety type feed unit for grinders. 2,426,346; Aug. 26.
Feiring, Abraham, assignee: *See*—
Feiring, Monroe J.
Feiring, Monroe J., assignor to A. Feiring, Bronx, N. Y. Wrench. 2,426,191; Aug. 26.
Fennema, Richard, assignor to Crane Co., Chicago, Ill. Pressure sealed joint. 2,426,392; Aug. 26.
Ferguson, James D., U. S. Navy, Arlington, Va. Computer. 2,426,192; Aug. 26.
Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Radio transmitter automatic volume control. 2,426,193; Aug. 26.
Fetterman, Oscar B., Washington, D. C. Support and brace therefor. 2,426,443; Aug. 26.
Field, William J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Amplifying system. 2,426,497; Aug. 26.
Fischbach, Adolph, and M. Friedman, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of War. Ink. 2,426,194; Aug. 26.
Fischer, Kermit, Bridge Valley, Pa. Viscosimeter. 2,426,263; Aug. 26.
Fischer, Kermit, Bridge Valley, assignor to Fischer and Porter Company, Hatboro, Pa. Viscosimeter. 2,426,393; Aug. 26.
Fischer & Porter Company, assignee: *See*—
Fischer, Kermit.
Fitzpatrick, John T.: *See*—
Fowler, George W., and Fitzpatrick.
Flageole, Burchard J., Chicago, Ill. Comb. 2,426,444; Aug. 26.
Flowers, Ralph G.: *See*—
Miller, Harry F., and Flowers.
Flumerfelt, William A.: *See*—
Klages, Reynold E., and Flumerfelt.
Fowler, George W., and J. T. Fitzpatrick, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Production of allyl alcohol. 2,426,264; Aug. 26.
Franklin, Hubert F., Baldwin, N. Y., assignor to Republic Aviation Corporation. Clamp structure. 2,426,498; Aug. 26.

Frantz, Virgil L., Roanoke, Va. Sand trap for rail sanders. 2,426,499; Aug. 26.
Friedman, Maurice: *See*—
Fischbach, Adolph, and Friedman.
Frisch, Arthur, New York, N. Y. Aerial projectile game. 2,426,551; Aug. 26.
Frisch, Wayne R., Pittsfield, and C. W. Crew, deceased, by Ruth A. Crew, Dalton, Mass., administratrix; said W. R. Frisch and C. W. Crew, assignors to General Electric Company. Insulation for magnetic steel and the like. 2,426,445; Aug. 26.
Froehlich, S., Co., Inc., assignee: *See*—
Chianese, Joseph.
Fuel Refining Corporation, assignee: *See*—
Otto, Carl.
Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Fuel feeding mechanism. 2,426,347; Aug. 26.
Fulton, Weston M., and S. R. Galyon, assignors to W. J. Savage Company, Inc., Knoxville, Tenn. Rotary-grate burner. 2,426,348; Aug. 26.
Funk, Rudolph, Hagerstown, Md. Press brake. 2,426,446; Aug. 26.
Gabler, John, London, England. Electric water heater. 2,426,302; Aug. 26.
Galyon, Sidney R.: *See*—
Fulton, Weston M., and Galyon.
Gamble Brothers, assignee: *See*—
Dosker, Cornelius D.
Gardner-Richardson Company, The, assignee: *See*—
Buffenbarger, James F.
Gates Rubber Company, The, assignee: *See*—
Johnson, Harold J.
Gauvreau, Victor, assignee: *See*—
Broders, Claude E.
Gavin, Patrick, Brooklyn, N. Y. Drainpipe cleaner. 2,426,265; Aug. 26.
General Aniline & Film Corporation, assignee: *See*—
Balle, Gerhard, Rosenbach, and Orthner.
General Cable Corporation, assignee: *See*—
Canfield, Charles M.
General Electric Company, assignee: *See*—
Dome, Robert B.
Downie, John W.
Frisch, Wayne R., and Crew.
Miller, Harry F., and Flowers.
Nelson, Richard B.
Powell, Alric H.
Sinks, Allen T.
Stanworth, John E.
General Motors Corporation, assignee: *See*—
Davidson, Charles D.
Hill, Robert H.
Hope, Lawrence F.
Lutz, Edward H.
Underwood, Arthur F.
Geraci, Francis R., U. S. Marine Corps. Collapsible container provided with fluid control means. 2,426,195; Aug. 26.
Gertler, Samuel I., and H. L. J. Haller, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. P-chloroacetophenone - semicarbazone as an insecticide. 2,426,349; Aug. 26.
Ge Wertz, Arthur L., Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc. Securing terminals to plates. 2,426,552; Aug. 26.
Gilbert, A. C., Company, The, assignee: *See*—
Tooms, H. Cole.
Gladden, John N., and G. A. Kendall, Glendale, Calif. Shock absorber. 2,426,447; Aug. 26.
Gohorel, Fernand P., Sceaux, France, assignor to International Standard Electric Corporation, New York, N. Y. Automatic telephone system. 2,426,196; Aug. 26.
Goldberg, James B., Kansas City, Mo., now by judicial change of name J. B. Greer. Screw driver. 2,426,197; Aug. 26.
Goldfisher, Fred, Chicago, Ill., assignor to United States Government, as represented by the Secretary of War. Metallic cartridge belt link. 2,426,448; Aug. 26.
Goldstein, Aaron A., assignor to Coat Craft Company, Philadelphia, Pa. Garment construction. 2,426,500; Aug. 26.
Goodchild, Frank D., and W. H. Wolsey, London, W. C. 2, assignors to Standard Telephones and Cables Limited, London, England. Electron discharge tubes for ultra-high frequencies. 2,426,198; Aug. 26.
Goodrich, B. F., Company, The, assignee: *See*—
Jones, Paul C.
Gosselin, Wilfrid J., Methuen, Mass., assignor to U S Bobbin & Shuttle Co., Providence, R. I. Thread trap for shuttles. 2,426,449; Aug. 26.
Gould, Martin J., Washington, D. C. Brushless type of motor or generator. 2,426,199; Aug. 26.
Goulding, John P., Neshanic Station, R. P. Parker, Somerville, and J. J. Denton, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Chlorinated-aliphatic ether of amino-diphenylamines. 2,426,576; Aug. 26.
Graber, Christian L., Lakewood, Ohio. Surgical tub. 2,426,303; Aug. 26.
Green, Frank L., Rockton, assignor to Green Manufacturing Co., Inc., Rockford, Ill. Feeding device. 2,426,200; Aug. 26.
Green Manufacturing Co., Inc., assignee: *See*—
Green, Frank L.
Greer, James B.: *See*—
Goldberg, James B.
Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio detection system. 2,426,201; Aug. 26.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Drop channel pulse multiplex system. 2,426,202; Aug. 26.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio beam controlled indicating instrument. 2,426,203; Aug. 26.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Discriminator circuits. 2,426,204; Aug. 26.
Grieg, Donald D., and A. M. Levine, Forest Hills, assignors to Federal Telecommunication Laboratories, Inc., New York, N. Y. Pulse selecting circuit for multiplex systems. 2,426,205; Aug. 26.
Gulden, Ernest V.: *See*—
Mumma, Robert E., and Gulden.
Haas, Lotte W., New York, N. Y. Sunglasses. 2,426,266; Aug. 26.
Hack, Theodore A.: *See*—
Watkins, Franklin M., and Hack.
Hagler, Bub A., Charlotte, N. C. Warp strumming apparatus. 2,426,553; Aug. 26.
Hale, William J., Midland, Mich., and H. Miller, Columbia, Mo., assignors to National Agrol Company, Inc., Washington, D. C. Producing butadiene. 2,426,450; Aug. 26.
Hall Laboratories, Inc., assignee: *See*—
Hall, Ralph E., and Munter.
Hall, Ralph E., and C. J. Munter, Mount Lebanon, assignors to Hall Laboratories, Inc., Pittsburgh, Pa. Water-soluble glass composition. 2,426,394; Aug. 26.
Haller, Herbert L. J.: *See*—
Gertler, Samuel I., and Haller.
Hamilton, Lyle A., Pitman, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of tri-(Beta-aminoethyl)-amine and ortho-hydroxy aromatic carbonyls. 2,426,206; Aug. 26.
Hammack, Kenneth D., Missouri Valley, Iowa. Invalid's chair with brake. 2,426,451; Aug. 26.
Hammer, William H., assignee, et al.: *See*—
Christiansen, Frederick A.
Handy, Alden G., Boston, Mass. Aerial viewer with obstacle bypassing optical system comprising lens and mirror means. 2,426,207; Aug. 26.
Hannifin Corporation, assignee: *See*—
Peterson, Victor W., and Maha.
Hapman, Henry W., Detroit, Mich. Bucket conveyer system. 2,426,304; Aug. 26.
Hardy, René J., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Cathode-ray tube control circuit. 2,426,208; Aug. 26.
Hardy, William B.: *See*—
Scalera, Mario, and Hardy.
Harmon, Luther R., Chicago, Ill., assignor of one-half to F. J. Burt and one-half to W. D. Lloyd. Time switch. 2,426,350; Aug. 26.
Harshaw Chemical Company, The, assignee: *See*—
Long, Kenneth E., and Cromer.
Hart, George T., Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Attaching sole to welted shoes. 2,426,267; Aug. 26.
Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole attaching using high-frequency field. 2,426,268; Aug. 26.
Hart, Harold M., Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Method and apparatus for radio ranging. 2,426,501; Aug. 26.
Hartley, George C., Lndon, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Reading the indication of measuring instruments. 2,426,209; Aug. 26.
Harvey, Kelsey I., Beaver, Pa. Ceramic composition. 2,426,395; Aug. 26.
Hatton, William, Maplewood, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Intercept operator's position for unassigned party line stations. 2,426,210; Aug. 26.
Haupt, Walter H., Ludlow, assignor to The Kelley-Koett Manufacturing Co., Inc., Covington, Ky. Bucky retractor. 2,426,502; Aug. 26.
Hazeltine Research, Inc., assignee: *See*—
Bels, Basil A.
Johnson, John K.
Lewis, Harold M.
Hazen, Allen, West Buxton, Maine. Miniature rail chair and tie plate for scale models. 2,426,452; Aug. 26.
Heathway Engineering Company Limited, assignee: *See*—
Porter, Charles B. A.
Heckman, Edward F., U. S. Navy. Rubber footwear. 2,426,211; Aug. 26.

Hedene, Edwin E., Oakland, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Automatic closing valve. 2,426,212; Aug. 26.

Henley's W. T., Telegraph Works Company, Limited, assignee: *See*—
Pollett, William F. O.

Hennemann, Raymond G., St. Louis County, assignor to Carter Carburetor Corporation, St. Louis, Mo. Choke and throttle connection. 2,426,272; Aug. 26.

Herbener, Henry M., Thomasville, Ga. Folder, bill folder and pocket construction. 2,426,503; Aug. 26.

Herbener, Henry M., Thomasville, Ga. Combination pocketbook and card case. 2,426,504; Aug. 26.

Herbig, Henry F.: *See*—
Deakin, Gerald, and Herbig.

Herondélle, Guy L. M., Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Gyroscope. 2,426,213; Aug. 26.

Hewes, Charles K., assignor to Richfield Oil Corporation, Los Angeles, Calif. Insecticidal oil spray. 2,426,214; Aug. 26.

Hewitt Rubber Corporation, assignee: *See*—
Blanchard, Francis W.

Hicks, Lester M., assignor to Eastman Kodak Company, Rochester, N. Y. Thermoplastic synthetic resin optical lap. 2,426,215; Aug. 26.

Hight, Stuart C., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aperiodic pulse timing system. 2,426,216; Aug. 26.

Hill, Robert H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Servomotor. 2,426,505; Aug. 26.

Hirsch, Robert L.: *See*—
Large, Charles B., Zucrow, and Hirsch.

Hoisington, William F., Rye, N. Y., assignor to Federal Telephone and Radio Corporation. Direction and distance indicating system. 2,426,217; Aug. 26.

Homer Laughlin China Company, The, assignee: *See*—
Emerson, Walter H.

Hope, Lawrence F., assignor to General Motors Corporation, Detroit, Mich. Balancing machine. 2,426,305; Aug. 26.

Hopgood, Roy C., Jr., Glen Ridge, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Instrument navigation system. 2,426,218; Aug. 26.

Hopkins, Nevil M., deceased, New York, N. Y.; R. B. Hopkins, executrix, assignor, by mesne assignments, to R. B. Hopkins, S. Lloyd, and M. L. Quigg, as trustees. Explosive device. 2,426,269; Aug. 26.

Hopkins, Raymonde B., executrix, trustee, assignee, et al.: *See*—
Hopkins, Nevil M.

Houck, James P., Wilkinsburg, and D. H. Shallcross, Sr., Collingdale, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit contoller. 2,426,306; Aug. 26.

Houdry Process Corporation, assignee: *See*—
Newton, Roger H.

Howell, Alun R., Neath, assignor to Power Jets (Research and Development) Ltd., London, England. Blades for axial flow compressors and turbines. 2,426,270; Aug. 26.

Howren, Walker A., Jr., Norfolk, Va. Adjusting device for turn and bank indicators. 2,426,554; Aug. 26.

Huenergardt, William H., assignor to M. Reynolds, Chicago, Ill. Fountain pen. 2,426,453; Aug. 26.

Hughey, Merle, assignee, et al.: *See*—
Marksberry, Raymond D.

I-T-E Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.
Scott, William M., Jr.

Imperial Chemicals Industries Limited, assignee: *See*—
Buckley, Gerard D., and Piggott.

Ingwer, Max, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Feed reverse and stitch regulating attachment for sewing machines. 2,426,506; Aug. 26.

Inksetter, Robert J., Copetown, Ontario, Canada. Snow removal apparatus. 2,426,507; Aug. 26.

International Standard Electric Corporation, assignee: *See*—
Chatterjea, Prafulla K., and Ambrose.
Deakin, Gerald, and Herbig.
Deloraine, Edmond M., Labin, and Busignies.
Escande, Jean R. A.
Gohorel, Fernand P.
Hardy, René J.
Hartley, George C.
Hatton, William.
Herondélle, Guy L. M.
Hopgood, Roy C., Jr.
Katchatouroff, Leon.
Platon, Edmond D. V.
Towner, Stanley H.

International Telephone & Radio Manufacturing Corporation, assignee: *See*—
Saslaw, Otto.

Isenberg, Hans D., Wilmette, Ill. Force determining device. 2,426,396; Aug. 26.

Isserstedt, Siegfried G., Toronto, Ontario, Canada, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating control apparatus. 2,426,508; Aug. 26.

Jackson, Tom C., Lebanon, Ky. Locking means. 2,426,219; Aug. 26.

Jacobs, Samuel S., San Mateo, and S. Birkland, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Filling and sealing containers. 2,426,555; Aug. 26.

Japikse, Bertrand, Reiffton, assignor to Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa. Control mechanism for regulating flow of fluid pressure in hydraulic systems. 2,426,509; Aug. 26.

Jeffrey Company, The, assignee: *See*—
Johnson, Claus J.

Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.

Jeffrey Manufacturing Company, The, assignee: *See*—
Bird, Byron M.
Feight, Oscar J.
Jeffrey, Robert K.

Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, Bexley, Ohio, executrix, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Spring pressed overload release clutch. 2,426,351; Aug. 26.

Jensen, Frants V.: *See*—
Eriksson, John A., and Jensen.

Jensen Specialties, Inc., assignee: *See*—
Eriksson, John A., and Jensen.

Johns-Manville Corporation, assignee: *See*—
McDermott, Paul F.

Johnson, Claus J., Columbus, Ohio, assignor to The Jeffrey Company. Device for guiding flow of material in magnetic separators. 2,426,352; Aug. 26.

Johnson, Harold J., assignor to The Gates Rubber Company, Denver, Colo. Picker stick check straps. 2,426,353; Aug. 26.

Johnson, Herbert P., Minneapolis, Minn. Mail box for walls. 2,426,271; Aug. 26.

Johnson, James M., New York, N. Y., assignor to Nostrip, Inc. Bituminous composition having increased adhesion to mineral aggregate. 2,426,220; Aug. 26.

Johnson, John K., Deerfield, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Electronic switch. 2,426,454; Aug. 26.

Johnston, Howard M., assignor to Massey-Harris Co., Ltd., Toronto, Ontario, Canada. Disc tiller. 2,426,354; Aug. 26.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,426,273; Aug. 26.

Jones, Paul C., Chagrin Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing unsubstituted mercaptothiazole. 2,426,397; Aug. 26.

Jorgenson, John P., Wilmette, assignor to Kling Bros. Engineering Works, Chicago, Ill. Tumbler type clothes washer having releasable band drain. 2,426,455; Aug. 26.

Kaiser Fleetwings, Inc., assignee: *See*—
Courtney, Wilbur E.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Stroke control for free-piston units. 2,426,307; Aug. 26.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Stroke control for free-piston units. 2,426,308; Aug. 26.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Assembly of engine-and-compressor units. 2,426,309; Aug. 26.

Kalitinsky, Andrew, Eagleville, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Engine piston construction. 2,426,310; Aug. 26.

Kandoian, Armig G.: *See*—
Labin, Emile, and Kandoian.

Karp, Charles D., and J. L. Bachman, Philadelphia, Pa. Positive action release hook. 2,426,221; Aug. 26.

Katchatouroff, Leon, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical communication system. 2,426,222; Aug. 26.

Katchatouroff, Leon, Paris 7, France, assignor to International Standard Electric Corporation, New York, N. Y. Delay communication system. 2,426,223; Aug. 26.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,426,456; Aug. 26.

Kelley-Koett Manufacturing Co., Inc., The, assignee: *See*—
Haupt, Walter H.

Kellogg, Edward W., Indianapolis, Ind., assignor to Radio Corporation of America. Bottle inspection apparatus. 2,426,355; Aug. 26.

Kelly, Daniel A., assignor to Prime Manufacturing Company, Milwaukee, Wis. Cylinder relief cock. 2,426,510; Aug. 26.

Kelly, Eugene, Toronto, Ontario, Canada, assignor to The Coca-Cola Company, Atlanta, Ga. Bottle handling mechanism. 2,426,356; Aug. 26.

Kendall Company, The, assignee: *See*—
Ziegler, Paul F.

Kendall, Giles A.: *See*—
Gladden, John N., and Kendall.

Kharasch, Morris S., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Producing dibasic acids and derivatives of dibasic acids. 2,426,224; Aug. 26.

Killian, Ezekiel, assignor of one-fourth to E. L. Kotzen, one-fourth to S. R. Kotzen, one-fourth to M. E. Kotzen, Reading, Pa., and one-fourth to Howard C. Mohn Hosiery Co., Inc. Knitting apparatus and method. 2,426,357; Aug. 26.

Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F.

Klages, Reynold E., and W. A. Flumerfelt, assignors to The Columbus Auto Parts Company, Columbus, Ohio. Joint construction. 2,426,358; Aug. 26.

Kling Bros. Engineering Works, assignee: *See*—
Jorgenson, John P.

Knowlton, Alfred D.: *See*—
Carlson, Carl P., Chesnut, and Knowlton.

Knudsen, Alex W.: *See*—
Wallace, Robert H., and Knudsen.

Koch, August K. F., Detroit, Mich. Plastic machine. 2,426,457; Aug. 26.

Kohl, William R., Glenview, Ill. Garment hanger. 2,426,556; Aug. 26.

Kotzen, E. Louis, assignee, et al.: *See*—
Killian, Ezekiel.

Kotzen, Myer C., assignee, et al.: *See*—
Killian, Ezekiel.

Kotzen, Samuel R., assignee, et al.: *See*—
Killian, Ezekiel.

Kramer, Daniel, Cleveland, Ohio. Putter used in playing golf. 2,426,274; Aug. 26.

Krause, Irving A., Jersey City, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Communication system. 2,426,225; Aug. 26.

Krebs, Daniel D., Albert Lea, assignor, by mesne assignments, to L. W. Myers, W. R. Anderson, J. R. Nelson, A. L. Anderson, and N. P. Benson, Minneapolis, C. L. Waldo, Duluth, Minn., and R. E. Lindmark, Eau Claire, Wis., co-partners doing business as Cosmet Company, Minneapolis, Minn. Apparatus for swedging screws on ophthalmic mountings. 2,426,275; Aug. 26.

Kuffler, Roland I., Detroit, assignor of one-half to S. M. Renfrew, Hazel Park, Mich. Back-off machine. 2,426,458; Aug. 26.

Labin, Emile: *See*—
Deloraine, Edmond M., Labin, and Busignies.

Labin, Emile, and A. G. Kandoian, New York, N. Y., assignors to Federal Telephone and Radio corporation, Newark, N. J. Rotatable coupler. 2,426,226; Aug. 26.

Lampton, Glen T., Hartford, Conn., and D. R. Woolf, Toledo, Ohio, assignors to Avco Manufacturing Corporation. Balancing propeller blades. 2,426,400; Aug. 26.

Landen, William J., Lisbon, Ohio. Automatic shears. 2,426,459; Aug. 26.

Lankheet, Sander, Lansing, Mich. Boring bar. 2,426,359; Aug. 26.

La Plant-Choate Manufacturing Company, Incorporated, assignee: *See*—
Austin, Ellsworth W.

La Pointe, Joseph W., Astoria, N. Y. Mechanical ash tray. 2,426,511; Aug. 26.

Large, Charles B., Pasadena, M. J. Zucrow, Altadena, and R. L. Hirsch, Glendale, assignors to Aerojet Engineering Corporation, Azusa, Calif. Protective coatings. 2,426,512; Aug. 26.

Larison Compensating Axle Corporation, assignee: *See*—
Larison, Glenn L.

Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Vehicle suspension warning indicator control. 2,426,360; Aug. 26.

Lathrop, Frank L., Merrill, Oreg. Gravity liquid separator for potatoes. 2,426,398; Aug. 26.

Ledwith, Walter A.: *See*—
Kalitinsky, Andrew, and Ledwith.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Throttle for free-piston units. 2,426,311; Aug. 26.

Leeds, Thomas F.: *See*—
Boucher, Herman G., and Leeds.

Lehmann, Gerard J.: *See*—
Deloraine, Edmond M., and Lehmann.

Lester Engineering Company, assignee: *See*—
Lester, Thomas J.

Lester, Thomas J., Shaker Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Variable delivery alternating piston pump. 2,426,361; Aug. 26.

Lever Brothers Company, assignee: *See*—
Wandel, George H., and Rider.

Levine, Arnold M.: *See*—
Grieg, Donald D., and Levine.

Lewis, Arthur P., and J. C. Manley, Fairhaven, Mass., assignors to United States Rubber Company, New York, N. Y. Carding machine attachment for controlling the web weight. 2,426,312; Aug. 26.

Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. System for locating a radiated-signal reflector. 2,426,460; Aug. 26.

Lilly, Eli, and Company, assignee: *See*—
Kharasch, Morris S.

Lindmark, Robert E., assignee, et al.: *See*—
Krebs, Daniel D.

Linn Company, assignee: *See*—
Linn, Frank F.

Linn, Frank F., Oakland, Calif., assignor to Linn Company. Wheel suspension for vehicles. 2,426,513; Aug. 26.

Lipani, Joseph, assignor of one-half to V. Casella, Brooklyn, N. Y. Sash lock. 2,426,399; Aug. 26.

Lloyd, Samuel, trustee, assignee, et al.: *See*—
Hopkins, Nevil M.

Lloyd, William D., assignee, et al.: *See*—
Harmon, Luther R.

Long, Kenneth E., South Euclid, and H. W. Cromer, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Porous sodium fluoride pellet and making same. 2,426,557; Aug. 26.

Long, Kenneth E., South Euclid, and H. W. Cromer, Cleveland, assignors to The Harshaw Chemical Company, Elyria, Ohio. Removal of hydrogen fluoride from non-aqueous fluids and porous body for use in such process. 2,426,558; Aug. 26.

Long, Sidney L., Minneapolis, Minn. Folding table. 2,426,514; Aug. 26.

Lowe, Russell E.: *See*—
Morgan, John D., and Lowe.

Luaces, Enrique L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Spinning cot. 2,426,227; Aug. 26.

Ludwig, Bernard J., Bloomfield, and F. C. Schmelkes, Montclair, N. J., assignors to Wallace & Tiernan Products Inc. Azo benzene 4,4¹-disulfonamido thiazole. 2,426,313; Aug. 26.

Lutz, Edward H., Norwood, Pa., assignor, by mesne assignments, to General Motors Corporation. Liquid congealing apparatus. 2,426,515; Aug. 26.

Lutz, Raymond G., assignee, et al.: *See*—
Marksberry, Raymond D.

Lyddon, Percy E., Worcester, assignor to Morgan Crucible Company, Limited, London, England. Gland packing. 2,426,461; Aug. 26.

MacDonald, George M., Coventry, England. Slide rule calculator. 2,426,362; Aug. 26.

Mack, Norman A., Riverside, assignor to Roberts & Porter, Inc., Chicago, Ill. Apparatus for applying a tubular fabric cover to rolls. 2,426,401; Aug. 26.

MacKay, James E., Street, assignor to C. & J. Clark Limited, Somerset, England. Last for shoes. 2,426,516; Aug. 26.

Mackta, Leo, U. S. Army, Brooklyn, N. Y. Speed indicator. 2,426,228; Aug. 26.

Magnavox Company, The, assignee: *See*—
Pridham, Edwin S.

Magrane, John K., Highland Park, A. R. Esterly, Metuchen, and R. E. Davies, Plainfield, N. J., assignors to Catalin Corporation of America. Cast polymerization of mixtures of diallyl phthalate and an acrylic ester. 2,426,402; Aug. 26.

Maha, Otto J.: *See*—
Peterson, Victor W., and Maha.

Malaguti, Evo, Wellesley, Mass. Apparatus for the sharpening of cutters. 2,426,363; Aug. 26.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co., Chicago, Ill. Wrapping machine. 2,426,314; Aug. 26.

Manley, John C.: *See*—
Lewis, Arthur P., and Manley.

Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J. and J.

Margulis, Peter H., New York, N. Y. Footwear. 2,426,403; Aug. 26.

Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Static free brush. 2,426,315; Aug. 26.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Marksberry, Raymond D., assignor of one-third to M. Hughey, Akron, and one-third to R. G. Lutz, Cuyahoga Falls, Ohio. Decalcomania manufacture. 2,426,462; Aug. 26.

Marman Products Company, Inc., assignee: *See*—
Woolsey, Theodore A.

Martenson, Carl, Waltham, Mass. Tool for raising overcoils on hair springs. 2,426,404; Aug. 26.

Martin, Frank S., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Vinyl resin compositions containing factice. 2,426,316; Aug. 26.

Martin, W. H., assignee: *See*—
Wahle, Adolph.

Massecar, Aubrey W., Huntington Park, assignor to E. M. Massecar, Los Angeles, Calif. Automatic shut-off valve. 2,426,364; Aug. 26.

Massecar, Ester M., assignee: *See*—
Massecar, Aubrey W.

Massey-Harris Co., Ltd., assignee: *See*—
Johnston, Howard M.

Matlock, John D., Hope, assignor of fifty per cent to W. T. Matlock, Arkadelphia, Ark. Service brake mechanism and brake-controlled driving motor vehicles. 2,426,365; Aug. 26.

Matlock, William T., assignee: *See*—
Matlock, John D.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of isoparaffins by means of normal olefins in the presence of hydrofluoric acid. 2,426,559; Aug. 26.

Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Impulse recording optical system. 2,426,366; Aug. 26.

Maurer, John A., Jr., assignor to J. A. Maurer, Inc., New York, N. Y. Variable density recording optical system. 2,426,367; Aug. 26.

Maurer, J. A., Inc., assignee: *See*—
Maurer, John A., Jr.

Mayne, Walter W., and K. A. Murphy, Pasadena, assignors, by mesne assignments, to Pre-Pak Freezer Corporation, Los Angeles, Calif. Apparatus for freezing liquids. 2,426,368; Aug. 26.

McAlinden, Hugh O.: *See*—
Cole, Harold E., McAlinden, and Banks.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric discharge lamp and starting device. 2,426,229; Aug. 26.

McDermott, Paul F., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Filter element. 2,426,405; Aug. 26.

McKenzie, Ronald J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Glow starter for electric discharge devices. 2,426,463; Aug. 26.

McWhorter, Cullen J., Odessa, Tex. Gun perforator. 2,426,517; Aug. 26.

Meech, Ralph E., assignee: *See*—
Minarik, Rudolph A.

Meiser, Werner, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Preparations active against cocci infections. 2,426,276; Aug. 26.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Injection system. 2,426,319; Aug. 26.

Menaul, Paul L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Inhibiting well corrosion. 2,426,317; Aug. 26.

Menaul, Paul L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Inhibiting corrosion. 2,426,318; Aug. 26.

Menking, Heinz, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Warp beam. 2,426,464; Aug. 26.

Mergenthaler Linotype Company, assignee: *See*—
Burt, Harold A.

Messinger, William, Philadelphia, Pa. Hydropneumatic accumulator. 2,426,320; Aug. 26.

Meyers, Cornelius W., Portland, Oreg. Hydraulic valve tester. 2,426,406; Aug. 26.

Midland Steel Products Company, The, assignee: *See*—
Wallace, Robert H., and Knudsen.

Miller, Gustavus H., Portland, Oreg. Making a water and oil thinnable coating composition. 2,426,277; Aug. 26.

Miller, Harry: *See*—
Hale, William J., and Miller.

Miller, Harry F., and R. G. Flowers, Pittsfield, Mass., assignors to General Electric Company. Preparing n-vinyl carbazole. 2,426,465; Aug. 26.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for conditioning pottery molds. 2,426,518; Aug. 26.

Miller, William P., Oakland, M. A. Davalle, San Leandro, and V. E. Dickens, Alameda, Calif. Toilet. 2,426,230; Aug. 26.

Minarik, Rudolph A., Vandergrift, assignor of one-half to R. E. Meech, Pittsburgh, Pa. Insulator for electrical wire conductors. 2,426,466; Aug. 26.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Field, William J.
Isserstedt, Siegfried G.

Mochel, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of fluoro-1,3-butadiene and an alkenylethinyl carbinol. 2,426,560; Aug. 26.

Mohn, Howard C., Hosiery Co., Inc., assignee, et al.: *See*—
Killian, Ezekiel.

Montrose, Louis, Brooklyn, N. Y. Fluid transmission apparatus. 2,426,321; Aug. 26.

Morgan Crucible Company, Limited, assignee: *See*—
Lyddon, Percy E.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Low viscosity change fluid. 2,426,407; Aug. 26.

Morin, Louis H., Bronx, assignor of one-half to D. Marinsky, New York, N. Y. Forming undercut die castings. 2,426,408; Aug. 26.

Morse, Carson C., Miami, Fla. Air heater. 2,426,231; Aug. 26.

Mumma, Robert E., assignor to The National Cash Register Company, Dayton, Ohio. Electronic device. 2,426,278; Aug. 26.

Mumma, Robert E., and E. V. Gulden, assignors to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,426,279; Aug. 26.

Munter, Casimir J.: *See*—
Hall, Ralph E., and Munter.

Murphy, John J.: *See*—
Sanford, Roy S., and Murphy.

Murphy, Kenneth A.: *See*—
Mayne, Walter W., and Murphy.

Musser, David M., Orange, N. J., assignor to Pacific Mills, Boston, Mass. Producing absorbent cellulosic material. 2,426,561; Aug. 26.

Myers, James H., Jr., assignee: *See*—
Davy, Robert E.

Myers, Leslie W., assignee, et al.: *See*—
Krebs, Daniel D.

National Agrol Company, Inc., assignee: *See*—
Hale, William J., and Miller.

National Cash Register Company, The, assignee: *See*—
Mumma, Robert E.

Nelson, John R., assignee, et al.: *See*—
Krebs, Daniel D.

Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Gold-copper solder. 2,426,467; Aug. 26.

Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,426,234; Aug. 26.

Newhouse, Russell C., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distance measuring system. 2,426,232; Aug. 26.

Newman, Max M., New York, N. Y. Shirt collar shaping device. 2,426,519; Aug. 26.

Newton, Roger H., Bowling Green, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Production of aviation base fuel. 2,426,233; Aug. 26.

Nichols, Leonard E., Birmingham, assignor to Resistance Welder Corporation, Bay City, Mich. Welding machine. 2,426,280; Aug. 26.

Noma Electric Corporation, assignee: *See*—
Trautner, Wagn.

Nopco Chemical Company, assignee: *See*—
Buxton, Loran O., and Dryden.

Nostrip, Inc., assignee: *See*—
Johnson, James M.

Oakes, George W., Rochester, Pa. Head and nasal clarifier. 2,426,281; Aug. 26.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Outlet box unit. 2,426,235; Aug. 26.

O'Brien, William J., assignor to E. F. Andrews, Chicago, Ill. Radio receiver. 2,426,580; Aug. 26.

O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Distributing valve for percussive tools. 2,426,409; Aug. 26.

Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.

Olsson, A/B Chr., assignee: *See*—
Andersson, Nils A.

Onstad, Henry G., Chicago, Ill. Boxcar unloader. 2,426,562; Aug. 26.

Orthner, Ludwig: *See*—
Balle, Gerhard, Rosenbach, and Orthner.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Apparatus for passing air admixed with rich fuel gas into heating flues of underfired regenerative coke ovens. 2,426,520; Aug. 26.

Owen, Benjamin F., Omaha, Nebr. Farm land bulldozer, snow plow, and road maintainer. 2,426,410; Aug. 26.

Owen, Dorothy, Wauwatosa, Wis. Garment. 2,426,282; Aug. 26.

Pacific Mills, assignee: *See*—
Musser, David M.

Page, Robert M., Washington, D. C., M. F. Distad, Cheverly, Md., and R. T. Wilson, Washington, D. C. Coupling system. 2,426,236; Aug. 26.

Palnut Company, The, assignee: *See*—
Wohlhieter, Joseph W.

Parker, Alton B., Houston, Tex. Lens attachment for cameras. 2,426,521; Aug. 26.

Parker, Robert P.: *See*—
Goulding, John P., Parker, and Denton.

Patchett, George W., Chigwell, England. Recoil mechanism for automatic firearms. 2,426,563; Aug. 26.

Paulsen, Clarence W., Taft, Calif. Sampler. 2,426,369; Aug. 26.

Pearson, Ben, Pine Bluff, Ark. Archery bow. 2,426,283; Aug. 26.

Peckham, David H., Madison, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Protective means for carrier wave transmitting systems. 2,426,579; Aug. 26.

Pedersen, Charles J.: *See*—
Hamilton, Lyle A., and Pedersen.

Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Pipe seal. 2,426,370; Aug. 26.

Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Casing and tubing head assembly. 2,426,371; Aug. 26.

Perry, Winthrop L.: *See*—
Abbott, Edward J., and Perry.

Peterson, Peter I., Minneapolis, Minn. Lifting and turning apparatus. 2,426,284; Aug. 26.

Peterson, Victor W., and O. J. Maha, Chicago, Ill., assignors to Hannifin Corporation. Pressure control for hydraulic presses. 2,426,411; Aug. 26.

Peterson, William J., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet printing device. 2,426,564; Aug. 26.

Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
De Groote, Melvin.

Pfeifer, William, Jr., Hackensack, N. J. Clip for sheet metal partitions. 2,426,237; Aug. 26.

Philco Corporation, assignee: *See*—
Rundell, Theodore W.

Phillips Petroleum Company, assignee: *See*—
Matuszak, Maryan P.

Photoswitch, Incorporated, assignee: *See*—
Thomson, E. Craig.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Boynton.

Piggott, Henry A.: *See*—
Buckley, Gerard D., and Piggott.

Pinkas, David, Norwalk, Conn. Electric shaving device with hair collecting means.. 2,426,412; Aug. 26.

Platon, Edmond D. V., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Variable flow restrictor. 2,426,238; Aug. 26.

Pollett, William F. O., Gravesend, assignor to W. T. Henley's Telegraph Works Company, Limited, Darking, England. Manufacture of insulated electric conductors. 2,426,413; Aug. 26.

Porter, Charles B. A., Hillingdon, assignor to Heathway Engineering Company Limited, Hillingdon Heath, England. Apparatus for winding helixes. 2,426,522; Aug. 26.

Poser, Paul, London, England. Treating skins, textile fabrics, and the like. 2,426,372; Aug. 26.

Powell, Alric H., Yeadon, Pa., assignor to General Electric Company. Fuse unit. 2,426,468; Aug. 26.

Power Jets (Research and Development) Ltd., assignee: *See*—
Howell, Alun R.

Power Research Corporation, assignee: *See*—
Bowers, Thomas A.

Pre-Pack Freezer Corporation, assignee: *See*—
Mayne, Walter W., and Murphy.

Pridham, Edwin S., Oakland, Calif., assignor to The Magnavox Company, Fort Wayne, Ind. Electric impulse generator. 2,426,322; Aug. 26.

Prime Manufacturing Company, assignee: *See*—
Kelly, Daniel A.

Pringle, Artoleon E., Gloversville, N. Y. Gravity flashlight switch. 2,426,373; Aug. 26.

Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Conveyor for handling match combs. 2,426,414; Aug. 26.

Pullenlite Company, assignee: *See*—
Pullen, Rodney S.

Quaker Oats Company, The, assignee: *See*—
Andrews, Edward D.

Quigg, Murray T., trustee, assignee, et al.: *See*—
Hopkins, Nevil M.

Quinn, Ada, deceased; R. N. Quinn, executor, assignor to Quinn Garment Company, Ogden, Utah. Garment. 2,426,565; Aug. 26.

Quinn Garment Company, assignee: *See*—
Quinn, Ada.

Quinn, Robert N., executor: *See*—
Quinn, Ada.

Radio Corporation of America, assignee: *See*—
Born, Leo W.
Dow, Orville E.
Evans, John.
Fernsler, George L.
Kellogg, Edward W.
Williams, Fred E.
Young, Lloyd L.

Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S.

Realty Industrial Corporation, assignee: *See*—
Anderson, Clare.

Redington, F. B., Co., assignee: *See*—
Malhiot, Clarence J.

Reinsch, Erich E., Chicago, Ill. Live center tool. 2,426,566; Aug. 26.

Renfrew, Samuel M., assignee: *See*—
Kuffler, Roland I.

Renner, Henry M., Cedartown, Ga. Rocket shell. 2,426,239; Aug. 26.

Republic Aviation Corporation, assignee: *See*—
Franklin, Hubert F.

Resistance Welder Corporation, assignee: *See*—
Nichols, Leonard E.

Reynolds, Milton, assignee: *See*—
Huenergardt, William H.

Rhodes, Lane, assignee, et al.: *See*—
Christiansen, Frederick A.

Richardson, Avery G., Boonton, and C. S. Bednash, Jersey City, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Portable antenna mounting. 2,426,240; Aug. 26.

Richfield Oil Corporation, assignee: *See*—
Kewes, Charles K.

Rider, Theodore H.: *See*—
Wandel, George H., and Rider.

Roberts & Porter, Inc., assignee: *See*—
Mack, Norman A.

Robinson, Elliott F.: *See*—
Breckner, Gary G., and Robinson.

Rockwell Manufacturing Company, assignee: *See*—
Hedene, Edwin E.

Rodman, Isaac P., Cambridge, Mass., assignor to Columbia Recording Corporation, New York, N. Y. Phonograph recording and reproducing system. 2,426,241; Aug. 26.

Rogoff, Julian, New Rochelle, N. Y., assignor to Burndy Engineering Company, Inc. Current limiter. 2,426,523; Aug. 26.

Rose, Paul R., East Orange, N. J. Warp drier with air recirculating means. 2,426,415; Aug. 26.

Rosenbach, Johann: *See*—
Balle, Gerhard, Rosenbach, and Orthner.

Rosenberger, Clifford W., Indianapolis, Ind. Antislip attachment for shoes. 2,426,524; Aug. 26.

Ruben, Samuel, assignee: *See*—
Smith, Cleveland S.

Rundell, Theodore W., Abington, assignor to Philco Corporation, Philadelphia, Pa. Refrigerator cabinet. 2,426,525; Aug. 26.

Rust, Frederick F.: *See*—
Vaughan, William E., and Rust.

Rutishauser, Hans, Altadena, R. C. Brumfield, Arcadia, and F. Zwicky, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Two-piece jet thrust motor. 2,426,526; Aug. 26.

Saco-Lowell Shops, assignee: *See*—
Zalkind, Benjamin J.

Sanford, Roy S., and J. J. Murphy, assignors to The Autoyre Company, Incorporated, Oakville, Conn. Cartridge belt link. 2,426,527; Aug. 26.

Saslaw, Otto, Kearny, N. J., assignor to International Telephone & Radio Manufacturing Corporation, New York, N. Y. Lacquer. 2,426,242; Aug. 26.

Savage, W. J., Company, Inc., assignee: *See*—
Fulton, Weston M.
Fulton, Weston M., and Galyon.

Scalera, Mario, Somerville, and W. B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Oil soluble colors of the anthraquinone series. 2,426,577; Aug. 26.

Schmeikes, Franz C.: *See*—
Ludwig, Bernard J., and Schmeikes.

Schramm, Roy A., and E. S. Wisniewski, Bay City, Mich. Adjustable head supports for display forms. 2,426,469; Aug. 26.

Schultz, Frank: *See*—
Antrim, Louis C., and Schultz.

Schweikher, Ernest W., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electroplating nickel. 2,426,416; Aug. 26.

Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit interrupter and control therefor. 2,426,243; Aug. 26.

Scovill Manufacturing Company, assignee: *See*—
Seaver, Donald A.

Sealol Corporation, assignee: *See*—
Bottomley, Frank.

Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of hydroxyphenyl trichloromethyl carbinols. 2,426,417; Aug. 26.

Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Detachable brush ferrule for lipstick carrier cups. 2,426,418; Aug. 26.

Seme, John J., Maple Heights, Ohio. Ash tray. 2,426,528; Aug. 26.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Amines and preparing. 2,426,375; Aug. 26.

Shallcross, Dewees H., Sr.: *See*—
Houck, James P., and Shallcross.

Shell Development Company, assignee: *See*—
Boucher, Herman G., and Leeds.
Farley, Francis F.
Vaughan, William E., and Rust.

Sigoda, Jerry: *See*—
Sigoda, Victor J. and J.

Sigoda, Victor J., Great Neck, and J. Sigoda, assignors to Man-Sew Corporation, New York, N. Y. Belt turning attachment for sewing machines. 2,426,285; Aug. 26.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Reversible mountable gauge wheel unit. 2,426,529; Aug. 26.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift. 2,426,530; Aug. 26.

Sinclair Refining Company, assignee: *See*—
Watkins, Franklin M., and Hack.

Singer Manufacturing Company, The, assignee: *See*—
Wood, Alfred R.

Sinks, Allen T., deceased, by A. C. Sinks, Beach Bluff, Mass., administratrix, assignor to General Electric Company. Remote indicating magnetic compass system. 2,426,470; Aug. 26.

Sinks, Anna C., administratrix: *See*—
Sinks, Allen T.

Sitton, Philip N., Dayton, Ohio. Dolly. 2,426,244; Aug. 26.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time and distance measuring system. 2,426,245; Aug. 26.

Skinker, Murray F., Montclair, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Contacting device for electrical elements. 2,426,246; Aug. 26.

Smallpeice, Cosby D. P., near Southampton, England. Chuck for machine tools. 2,426,376; Aug. 26.

Smith, Cleveland S., Indianapolis, Ind., assignor to S. Ruben, New Rochelle, N. Y. Selenium rectifier and making. 2,426,377; Aug. 26.

Snell, Foster D.: *See*—
Tilden, Sydney G., Snell, and Fain.

Snell, Foster D., Inc., assignee: *See*—
Tilden, Sydney G., Snell, and Fain.

Snider, Joseph M., Princeton, W. Va. Weather stripping and sash control. 2,426,567; Aug. 26.

Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Berndtson, John O.

Snyder, Jacob R., assignor to Thompson Products Inc., Cleveland, Ohio. Quick disconnect coupling. 2,426,471; Aug. 26.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Fahnestock, Frank C.

Sontz, Arthur, Chicago, Ill. Furnace door. 2,426,568; Aug. 26.

Spector, Morris, Jersey City, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Return trace blanking and mixing. 2,426,419; Aug. 26.

Sperry Gyroscope Company, Inc., assignee: *See*—
Zenor, Hughes M.

Sprake, Tyler W., assignor to Webster-Brinkley Co., Seattle, Wash. Marine-vessel steering apparatus. 2,426,374; Aug. 26.

Stadler, Frank J., New York, N. Y. Dental X-ray film identifier. 2,426,286; Aug. 26.

Standard Register Company, The, assignee: *See*—
Sugarman, Nathan.

Standard Telephones and Cables Limited, assignee: *See*—
Chambers, Cyril H.
Earp, Charles W.
Goodchild, Frank D., and Wolsey.

Stanley, Amos L., Middletown, assignor to All American Aviation, Inc., Wilmington, Del. Compound motor with relay for reversing and breaking. 2,426,378; Aug. 26.

Stanolind Oil and Gas Company, assignee: *See*—
Menaul, Paul L.

Stanworth, John E., Sheffield, England, assignor to General Electric Company. Borosilicate glasses. 2,426,472; Aug. 26.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J.

Steiger, Benjamin F., Maplewood, assignor to United Electronics Company, Newark, N. J. Getter apparatus. 2,426,247; Aug. 26.

Stevason, Orville, Indianapolis, Ind. Wall cleaner. 2,426,531; Aug. 26.

Stewart, Edward B., Gary, Ind. Coil tilter. 2,426,569; Aug. 26.

Stillman, Alfred, Brooklyn, N. Y. Parachute toy. 2,426,323; Aug. 26.

Straw, Samuel A., Pawtucket, R. I., assignor to American Textile Company, Inc. Control guide for yarn winders. 2,426,473; Aug. 26.

Strout, Basil A., Farmingdale, Maine, assignor to United Shoe Machinery Corporation, Flemington, N. J. Dieing-out machine. 2,426,287; Aug. 26.

Submarine Signal Company, assignee: *See*—
Hart, Harold M.

Sugarman, Nathan, assignor to The Standard Register Company, Dayton, Ohio. Manufacture of carbon transfer ink. 2,426,248; Aug. 26.

Sun Oil Company, assignee: *See*—
Coppock, Walter J.

Sundgren, Stig P. O., assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo, Sweden. Fire protective device in film projectors. 2,426,324; Aug. 26.

Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Sundgren, Stig P. O.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Cellulose acetate coating compositions. 2,426,379; Aug. 26.

Swanson, Swan, Lansing, Mich. Farm gate. 2,426,380; Aug. 26.

Sylvania Electric Products, Inc., assignee: *See*—
McCarthy, Henry J.
McKenzie, Ronald J.

Syracuse Chilled Plow Co., Inc., assignee: *See*—
Young, Austin E.

Tauch, Ernest J., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing ammonium sulfamate. 2,426,420; Aug. 26.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers. 2,426,320; Aug. 26.

Taylor, John A., Rockaway, N. J. Mixing mat. 2,426,249; Aug. 26.

Taylor, Owen L.: *See*—
Ellis, Delbert, and Taylor.

Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas blast circuit breaker. 2,426,250; Aug. 26.

Taylor, Warren G., Essex Fells, and C. L. Baxter, West Caldwell, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Flexible connector. 2,426,251; Aug. 26.

Tel-O-Post Company, assignee: *See*—
Alderfer, Sterling W.

Thomas, Arthur S., Nashville, Tenn. Thin place detector for looms. 2,426,570; Aug. 26.

Thompson Products Inc., assignee: *See*—
Snyder, Jacob R.

Thomson, E. Craig, Boston, assignor to Photoswitch, Incorporated, Cambridge, Mass. System of flat electrodes. 2,426,252; Aug. 26.

Tierney, William J., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Pintle hook for coupling devices. 2,426,532; Aug. 26.

Tilden, Sydney G., Stewart Manor, F. D. Snell, New York, and J. M. Fain, Belle Harbor, assignors to Foster D. Snell Inc., Brooklyn, N. Y. Friction element assembly. 2,426,421; Aug. 26.

Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus including defrosting means. 2,426,578; Aug. 26.

Tompkins, Francis M., St. Paul, Minn. Cathode-ray steam generator. 2,426,533; Aug. 26.

Tooms, H. Cole, Memphis, Tenn., assignor to The A. C. Gilbert Company, New Haven, Conn. Coupling pin for toy parts. 2,426,326; Aug. 26.

Torresen, Carel T., Santa Monica, Calif. Making expandable rivets. 2,426,422; Aug. 26.

Towner, Stanley H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,426,253; Aug. 26.

Trammell, Earl M., Jr.: *See*—
Trammell, Earl M., Sr., and E. M., Jr.

Trammell, Earl M., Sr., and E. M., Jr., St. Louis, Mo. Sash and sash guiding means. 2,426,474; Aug. 26.

Trautner, Wagn, Hamilton, Ohio, assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Decorative lights and assembly for vehicles. 2,426,534; Aug. 26.

Turco Products, Inc., assignee: *See*—
Waterman, Herbert.

Turkel, Henry, Detroit, Mich. Infusion and biopsy needle. 2,426,535; Aug. 26.

Underwood, Arthur F., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Oil cleaner. 2,426,327; Aug. 26.

United Aircraft Corporation, assignee: *See*—
Cooper, Kenneth C.
Kalitinsky, Andrew.
Ledwith, Walter A.
Meitzler, Donald E.

United Electronics Company, assignee: *See*—
Steiger, Benjamin F.

United Shoe Machinery Corporation, assignee: *See*—
Hart, George T.
Hart, George T., Jr.
Strout, Basil A.

U S Bobbin & Shuttle Co., assignee: *See*—
Gosselin, Wilfrid J.

United States Rubber Company, assignee: *See*—
Lewis, Arthur P., and Manley.
Marick, Louis.
Martin, Frank S.
Tawney, Pliny O.

Universal Oil Products Company, assignee: *See*—
Johnstone, Warren W.

Van Brunt Manufacturing Co., The, assignee: *See*—
Borngraeber, Royce R.

Vanderweil, Raimund G., Woodbury, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Laminated heat-exchange fin. 2,426,536; Aug. 26.

Van Dorn, William E., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Jet thrust motor. 2,426,537; Aug. 26.

Van Frank, Charles P., Mooreland, Okla. Cooling jacket for milk cans. 2,426,475; Aug. 26.

Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Di (tertiary alkyl) peroxide polymerization catalysts. 2,426,476; Aug. 26.

Vermillion, Thomas R., Williamsburg, Va. Dermatome with threaded and adjustable guide rod for cutting skin grafts of varying thickness. 2,426,381; Aug. 26.

Von Wehrden, Frederick W., St. Louis County, assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Sling and end fitting therefor. 2,426,538; Aug. 26.

Vulcan Corporation, assignee: *See*—
Clausing, George.

Wagner, Blakely A., Los Angeles, Calif. Cosmetic applicator. 2,426,288; Aug. 26.

Wagner, Julius A.: *See*—
Adams, Robert T., and Wagner.

Wahle, Adolph, assignor of one-half to W. H. Martin, Davenport, Iowa. Compound rotary pump. 2,426,539; Aug. 26.

Wainwright, John E., assignor to Coventry Gauge & Tool Company Limited, Coventry, England. Thread grinding wheel. 2,426,290; Aug. 26.

Waldo, Charles L., assignee, et al.: *See*—
Krebs, Daniel D.

Wallace, Robert H., Lakewood, and A. W. Knudsen, Rocky River, assignors to The Midland Steel Products Company, Cleveland, Ohio. Making cartridge cases. 2,426,289; Aug. 26.

Wallace & Tiernan Products Inc., assignee: *See*—
Ludwig, Bernard J., and Schmelkes.

Walton, Ralph W., Cleveland, Ohio. Pier construction. 2,426,477; Aug. 26.

Wandel, George H., Riverside, and T. H. Rider, Hinsdale, Ill., assignors, by mesne assignments, to Lever Brothers Company, Cambridge, Mass. Finishing plastic filaments and products made therefrom. 2,426,328; Aug. 26.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Fischbach, Adolph, and Friedman.
Goldfisher, Fred.

Waterman, Herbert, assignor to Turco Products, Inc., Los Angeles, Calif. Anodic treatment of magnesium and its alloys to form protective coatings thereon. 2,426,254; Aug. 26.

Watkins, Franklin M., Chicago, Ill., and T. A. Hack, Hammond, Ind., assignors to Sinclair Refining Company, New York, N. Y. Producing hydrocarbon oil concentrates of barium sulfonates. 2,426,540; Aug. 26.

Weber Dental Manufacturing Company, The, assignee: *See*—
Binus, David J.

Webster-Brinkley Co., assignee: *See*—
Sprake, Tyler W.

Western Electric Company, Incorporated, assignee: *See*—
Adams, Robert T., and Wagner.

Westinghouse Electric Corporation, assignee: *See*—
Houck, James P., and Shallcross.
Taylor, Owen L., and Ellis.
Tobey, Raymond E.

Whipple, Jack Van H., New York, N. Y. Drill grinder. 2,426,478; Aug. 26.

Widmaier, William, Elizabeth, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode for electron discharge devices. 2,426,255; Aug. 26.

Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Reducing reflection from curved glass surfaces. 2,426,541; Aug. 26.

Williams, Rachel D., New Rochelle, N. Y. Holder or pin cushion. 2,426,329; Aug. 26.

Wilson, Earl L., Los Angeles, Calif. Cigarette smoking pipe. 2,426,542; Aug. 26.

Wilson, Raymond G., Indianapolis, Ind. Milling cutter. 2,426,382; Aug. 26.

Wilson, Roger T.: *See*—
Page, Robert M., Distad, and Wilson.

Winthrop Chemical Company, Inc., assignee: *See*—
Meiser, Werner.

Wisniewski, Edmund S.: *See*—
Schramm, Roy A., and Wisniewski.

Wohlbieter, Joseph W., East Orange, assignor to The Palnut Company, Irvington, N. J. Cable supporting clamp. 2,426,479; Aug. 26.

Wolsey, Willem H.: *See*—
Goodchild, Frank D., and Wolsey.

Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 2,426,543; Aug. 26.

Wood, Remsen V., Baltimore, Md. Punch aligning lens. 2,426,480; Aug. 26.

Wooldridge, Mack, Oakland, Calif., assignor to American Tractor Equipment Corporation. Vehicle mounted loader. 2,426,544; Aug. 26.

Woolf, Don R.: *See*—
Lampton, Glen T., and Woolf.

Woolsey, Theodore A., Pasadena, assignor to Marman Products Company, Inc., Inglewood, Calif. Hydraulic coupling. 2,426,423; Aug. 26.

Wynne, Morgan D., Sr., and T. H., Jr., Griffin, Ga. Costume jewelry. 2,426,571; Aug. 26.

Wynne, Tillet H., Jr.: *See*—
Wynne, Morgan D., Sr., and T. H., Jr.

Yacoe, J. Craig, Wilmington, Del. Skirt and trouser hanger. 2,426,330; Aug. 26.

Young, Austin E., assignor to Syracuse Chilled Plow Co., Inc., Syracuse, N. Y. Potato digger and clutch therefor. 2,426,545; Aug. 26.

Young, Lloyd L., Patchogue, N. Y., assignor to Radio Corporation of America. Meter mounting device. 2,426,424; Aug. 26.

Zalkind, Benjamin J., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Long staple drafting mechanism. 2,426,425; Aug. 26.

Zenor, Hughes M., Tulsa, Okla., assignor to Sperry Gyroscope Company, Inc. Sweep circuit. 2,426,256; Aug. 26.

Ziegler, Paul F., Winnetka, Ill., assignor to The Kendall Company, Boston, Mass. Pressure sensitive adhesive and adhesive tape. 2,426,257; Aug. 26.

Ziskind, Edward E., New York, N. Y. Glove presser. 2,426,331; Aug. 26.

Zucrow, Maurice J.: *See*—
Large, Charles B., Zucrow, and Hirsch.

Zwicky, Fritz: *See*—
Rutishauser, Hans, Brumfield, and Zwicky.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antioxidant. W. M. Smith and C. J. Wilson. Re. 22,909; Aug. 26.

LIST OF PLANT INVENTIONS

Lilac plant. W. B. Clarke. 754; Aug. 26.
Phlox plant. J. L. Legendre. 756; Aug. 26.
Rose plant. J. T. Hildebrandt. 755; Aug. 26.

LIST OF DESIGN INVENTIONS

Box or similar article, Display. R. F. Dibble. 147,364; Aug. 26.
Brooch or similar article. A. Philippe. 147,376; Aug. 26.
Building. F. S. Saum. 147,382; Aug. 26.
Cabinet, Cooler. R. Loewy. 147,370; Aug. 26.
Cabinet or similar article, Card. M. S. Stone. 147,384–5; Aug. 26.
Chair, Telephone. G. Thomas. 147,386; Aug. 26.
Chaise longue. A. Roth. 147,377; Aug. 26.
Clock, Wall. W. E. Bentzinger. 147,361; Aug. 26.
Comb with a handle. L. S. Utley. 147,387; Aug. 26.
Cooler. R. Loewy. 147,369; Aug. 26.
Frame or similar article, Spectacle. M. B. Levoy. 147,368; Aug. 26.
Handle or similar article, Tool. M. Meltzer. 147,373; Aug. 26.
Lamp, Bed. V. Nemeroff. 147,374; Aug. 26.
Mantel, Fireplace. A. J. Grossniklaus. 147,366; Aug. 26.
Oil bar. F. L. Ayers. 147,359; Aug. 26.
Pin or similar article, Jewelry. L. J. Campbell. 147,362; Aug. 26.
Pipe, Tobacco smoking. F. J. Danilowicz. 147,363; Aug. 26.
Plaque. G. W. Wahrer. 147,388; Aug. 26.
Reel, Hose. E. S. Marsh. 147,372; Aug. 26.
Seat or similar article, Child's. C. H. Hasche. 147,367; Aug. 26.
Shoe. J. Sandler. 147,379–81; Aug. 26.
Sole, Shoe. A. E. Shaffer. 147,383; Aug. 26.
Tombstone. S. G. McNatton. 147,371; Aug. 26.
Toy animal figure. E. Gordon and H. Sanders. 147,365; Aug. 26.
Toy bird. C. Rouse. 147,378; Aug. 26.
Toy pistol. J. Oshman. 147,375; Aug. 26.
Tray. A. Bach. 147,360; Aug. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1947

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive materials, Manufacture of. S. W. Dronsfield. 2,426,441; Aug. 26.
Accumulator, Hydropneumatic. W. Messinger. 2,426,320; Aug. 26.
Adhesive and adhesive tape, Pressure sensitive. P. F. Ziegler. 2,426,257; Aug. 26.
Adjusting device for turn and bank indicators. W. A. Howren, Jr. 2,426,554; Aug. 26.
Aerial projectile game. A. Frisch. 2,426,551; Aug. 26.
Aerial viewer with obstacle bypassing optical system comprising lens and mirror means. A. G. Handy. 2,426,207; Aug. 26.
Aircraft landing system. J. W. Downie. 2,426,440; Aug. 26.
Air heater. C. C. Morse. 2,426,231; Aug. 26.
Alcohol, Production of allyl. G. W. Fowler and J. T. Fitzpatrick. 2,426,264; Aug. 26.
Alkylation of isoparaffins by means of normal olefins in the presence of hydrofluoric acid. M. P. Matuszak. 2,426,559; Aug. 26.
Amines, Acylated. C. M. Blair, Jr. 2,426,338; Aug. 26.
Amines and preparing them. M. Senkus. 2,426,375; Aug. 26.
Ammonium salts and preparing them, Quaternary. G. Balle, J. Rosenbach, and L. Orthner. 2,426,293; Aug. 26.
Ammonium sulfamate, Producing. E. J. Tauch. 2,426,420; Aug. 26.
Amplifying system. W. J. Field. 2,426,497; Aug. 26.
Anodic treatment of magnesium and its alloys to form protective coatings thereon. H. Waterman. 2,426,254; Aug. 26.
Antislip attachment for shoes. C. W. Rosenbarger. 2,426,524; Aug. 26.
Apparatus for applying a tubular fabric cover to rolls. N. A. Mack. 2,426,401; Aug. 26.
Apparatus for conditioning pottery molds. W. J. Miller. 2,426,518; Aug. 26.
Apparatus for freezing liquids. W. W. Mayne and K. A. Murphy. 2,426,368; Aug. 26.
Apparatus for passing air admixed with rich fuel gas into heating flues of underfired regenerative coke ovens. C. Otto. 2,426,520; Aug. 26.
Apparatus for phase and synchronism control. G. Deakin and H. F. Herbig. 2,426,181; Aug. 26.
Apparatus for processing rope. J. A. Eriksson and F. V. Jensen. 2,426,493; Aug. 26.
Apparatus for recovering scrap metal. F. D. Chew. 2,426,389; Aug. 26.
Apparatus for removing soluble impurities from solid substances. H. H. Chesny. 2,426,296; Aug. 26.
Apparatus for spreading viscous or plastic materials. S. W. Alderfer. 2,426,572; Aug. 26.
Apparatus for swedging screws on ophthalmic mountings. D. D. Krebs. 2,426,275; Aug. 26.
Apparatus for the sharpening of cutters. E. Malaguti. 2,426,363; Aug. 26.
Apparatus for winding helixes. C. B. A. Porter. 2,426,522; Aug. 26.
Applicator, Cosmetic. B. A. Wagner. 2,426,288; Aug. 26.
Arbor, Grinding wheel. R. F. Akers. 2,426,170; Aug. 26.
Archery bow. B. Pearson. 2,426,283; Aug. 26.
Ash tray. J. J. Seme. 2,426,528; Aug. 26.
Ash tray, Mechanical. J. W. La Pointe. 2,426,511; Aug. 26.
Assembly of engine-and-compressor units. A. Kalitinsky. 2,426,309; Aug. 26.
Automatic closing valve. E. E. Hedene. 2,426,212; Aug. 26.
Automatic shut off valve. A. W. Massecar. 2,426,364; Aug. 26.
Azo benzene 4,4¹-disulfonamide thiazole. B. J. Ludwig and F. C. Schmelkes. 2,426,313; Aug. 26.
Back-off machine. R. I. Kuffler. 2,426,458; Aug. 26.
Balancing machine. L. F. Hope. 2,426,305; Aug. 26.
Bar: *See*—
Boring bar.
Bearings, Making jewel. T. L. Boswell. 2,426,546; Aug. 26.
Belt. J. Chianese. 2,426,435; Aug. 26.
Belt link, Metallic cartridge. F. Goldfisher. 2,426,448; Aug. 30.
Bench, Collapsible. S. W. Alderfer. 2,426,573; Aug. 26.
Beverage can. J. Coyle. 2,426,550; Aug. 26.
Bituminous composition having increased adhesion to mineral aggregate. J. M. Johnson. 2,426,220; Aug. 26.
Blades for axial flow compressors and turbines. A. R. Howell. 2,426,270; Aug. 26.
Boring bar. S. Lankheet. 2,426,359; Aug. 26.
Bottle handling mechanism. E. Kelly. 2,426,356; Aug. 26.
Bottle inspection apparatus. E. W. Kellogg. 2,426,355; Aug. 26.
Boxcar unloader. H. G. Onstad. 2,426,562; Aug. 26.
Box unit, Outlet. J. F. O'Brien and E. S. Boynton. 2,426,235; Aug. 26.
Brake: *See*—
Press brake.
Brake control device. C. L. Eksergian. 2,426,575; Aug. 26.
Brake mechanism and brake-controlled driving means for motor vehicles, Service. J. D. Matlock. 2,426,365; Aug. 26.
Bridle. W. A. Bass. 2,426,427; Aug. 26.
Brush ferrule for lipstick carrier cups, Detachable. D. A. Seaver. 2,426,418; Aug. 26.
Brush, Static free. L. Marick. 2,426,315; Aug. 26.
Burner: *See*—
Rotary-grate burner.
Butadiene, Producing. W. J. Hale and H. Miller. 2,426,450; Aug. 26.
Cabinet: *See*—
Refrigerator cabinet.
Cable supporting clamp. J. W. Wohlhieter. 2,426,479; Aug. 26.
Calculator, Slide rule. G. M. MacDonald. 2,426,362; Aug. 26.
Camel. C. D. Dosker. 2,426,345; Aug. 26.
Can: *See*—
Beverage can.
Carding machine attachment for controlling the web weight. A. P. Lewis and J. C. Manley. 2,426,312; Aug. 26.
Carrier frequency demodulator, Pulsed. C. W. Earp. 2,426,187; Aug. 26.
Carton construction. J. F. Buffenbarger. 2,426,484; Aug. 26.
Cases, Making cartridge. R. H. Wallace and A. W. Knudsen. 2,426,289; Aug. 26.
Casing and tubing head assembly. A. J. Penick. 2,426,371; Aug. 26.
Cast polymerization of mixtures of diallyl phthalate and an acrylic ester. J. K. Magrane, A. R. Esterly, and R. E. Davies. 2,426,402; Aug. 26.
Cathode for electron discharge devices. W. Widmaier. 2,426,255; Aug. 26.
Cathode-ray steam generator. F. M. Tompkins. 2,426,533; Aug. 26.
Cathode-ray tube control circuit. R. J. Hardy. 2,426,208; Aug. 26.
Cellulosic material, Producing absorbent. D. M. Musser. 2,426,561; Aug. 26.
Ceramic composition. K. I. Harvey. 2,426,395; Aug. 26.
Chair and the like, Dental. D. J. Binus. 2,426,336; Aug. 26.
Chair and tie plate for scale models, Miniature rail. A. Hazen. 2,426,452; Aug. 26.
Chair with brake, Invalid's. K. D. Hammack. 2,426,451; Aug. 26.
Child's vehicle. G. C. Breckner and E. F. Robinson. 2,426,432; Aug. 26.
Choke and throttle connection. R. G. Hennemann. 2,426,272; Aug. 26.
Chuck for machine tools. C. D. P. Smallpeice. 2,426,376; Aug. 26.
Cigarette smoking pipe. E. L. Wilson. 2,426,542; Aug. 26.
Circuit: *See*—
Cathode-ray tube control circuit.
Sweep circuit.
Circuit breaker contact. A. S. Caswell. 2,426,387; Aug. 26.
Circuit breaker, Gas blast. P. L. Taylor. 2,426,250; Aug. 26.
Circuit controller. J. P. Houck and D. H. Shallcross, Sr. 2,426,306; Aug. 26.
Circuit, Discriminator. D. D. Grieg. 2,426,204; Aug. 26.
Circuit interrupter and control therefor. W. M. Scott, Jr. 2,426,243; Aug. 26.
Clamp: *See*—
Cable supporting clamp.
Clamp structure. H. F. Franklin. 2,426,498; Aug. 26.
Clarifier, Head and nasal. G. W. Oakes. 2,426,281; Aug. 26.
Clasp, Hair curling. P. Casazza, Sr. 2,426,258; Aug. 26.
Cleaner: *See*—
Drainpipe cleaner.
Oil cleaner.
Wall cleaner.

Clip for sheet metal partitions. W. Pfeifer, Jr. 2,426,237; Aug. 26.
Clutch: *See*—
Spring pressed overload release clutch.
Coating composition, Cellulose acetate. R. C. Swain and P. Adams. 2,426,379; Aug. 26.
Coating composition, Making a water and oil thinnable. G. H. Miller. 2,426,277; Aug. 26.
Coatings, Protective. C. B. Large, M. J. Zucrow, and R. L. Hirsch. 2,426,512; Aug. 26.
Cock, Cylinder relief. D. A. Kelly. 2,426,510; Aug. 26.
Coil tilter. E. B. Stewart. 2,426,569; Aug. 26.
Comb. B. J. Flageole. 2,426,444; Aug. 26.
Communication system. I. A. Krause. 2,426,225; Aug. 26.
Communication system, Delay. L. Katchatouroff. 2,426,223; Aug. 26.
Communication system, Electrical. L. Katchatouroff. 2,426,222; Aug. 26.
Compass system, Remote indicating magnetic. A. T. Sinks. 2,426,470; Aug. 26.
Compound rotary pump. A. Wahle. 2,426,539; Aug. 26.
Compounds, Fluorination of unsaturated. A. F. Benning. 2,426,172; Aug. 26.
Computer. J. D. Ferguson. 2,426,192; Aug. 26.
Conductors, Manufacture of insulated electric. W. F. O. Pollett. 2,426,413; Aug. 26.
Conduit coupling. R. L. Acres. 2,426,332; Aug. 26.
Connecter: *See*—
Electrical connector. Flexible connector.
Connector: *See*—
Electrical connector. Flexible connector.
Contacting device for electrical elements. M. F. Skinker. 2,426,246; Aug. 26.
Container provided with fluid control means, Collapsible. F. R. Genci. 2,426,195; Aug. 26.
Containers, Filling and sealing. S. S. Jacobs and S. Birkland. 2,426,555; Aug. 26.
Containers, Manufacture of flexible. F. W. Blanchard. 2,426,384; Aug. 26.
Control for air spring pressures in free-piston units. K. C. Cooper. 2,426,297; Aug. 26.
Control for hydraulic presses, Pressure. V. W. Peterson and O. J. Maha. 2,426,411; Aug. 26.
Control mechanism for regulating flow of fluid pressure in hydraulic systems. B. Japikse. 2,426,509; Aug. 26.
Conveyer and unloading apparatus. R. T. Adams and J. A. Wagner. 2,426,169; Aug. 26.
Conveyor for handling match combs. R. S. Pullen. 2,426,414; Aug. 26.
Conveyor system, Bucket. H. W. Hapman. 2,426,304; Aug. 26.
Copolymer of butadiene and styrene having dispersed therein paracoumarene resin and filler, Vulcanizate of. T. A. Bullfant. 2,426,165; Aug. 26.
Copolymers of fluoro-1,3-butadiene and an alkenylethinyl carbinol. W. E. Mochel. 2,426,560; Aug. 26.
Corrosion, Inhibiting. P. L. Menaul. 2,426,318; Aug. 26.
Corrosion protecting compositions. F. F. Farley. 2,426,496; Aug. 26.
Cot, Spinning. E. L. Luaces. 2,426,227; Aug. 26.
Coupler, Rotatable. E. Labin and A. G. Kandolan. 2,426,226; Aug. 26.
Coupling: *See*—
Conduit coupling. Quick disconnect coupling.
Hydraulic coupling.
Coupling system. R. M. Page, M. F. Distad, and R. T. Wilson. 2,426,236; Aug. 26.
Cups, Making paper. C. Barbieri. 2,426,159; Aug. 26.
Current limiter. J. Rogoff. 2,426,523; Aug. 26.
Cutter: *See*—
Milling cutter.
Cylinder construction, Engine. C. C. DePew. 2,426,438; Aug. 26.
Decorating apparatus, Dinnerware. W. H. Emerson. 2,426,391; Aug. 26.
Decalcomania manufacture. R. D. Marksberry. 2,426,462; Aug. 26.
Density recording optical system, Variable. J. A. Maurer, Jr. 2,426,367; Aug. 26.
Dermatome with threaded and adjustable guide rod for cutting skin grafts of varying thickness. T. R. Vermillion. 2,426,381; Aug. 26.
Detector for looms, Thin place. A. S. Thomas., 2,426,570; Aug. 26.
Device for guiding flow of material in magnetic separators. C. J. Johnson. 2,426,352; Aug. 26.
Device for splitting diamond drill cores. J. G. Dickenson. 2,426,344; Aug. 26.
Dibasic acids and derivatives of dibasic acids, Producing. M. S. Kharasch. 2,426,224; Aug. 26.
Die castings, Forming undercut. L. H. Morin. 2,426,408; Aug. 26.
Die, Compression. H. P. Dupre. 2,426,492; Aug. 26.
Dieing-out machine. B. A. Strout. 2,426,287; Aug. 26.
Digger and clutch therefor, Potato. A. E. Young. 2,426,545; Aug. 26.
Direction and distance indicating system. W. F. Hoisington. 2,426,217; Aug. 26.
Direction finder. H. G. Busignies. 2,426,175–6; Aug. 26.
Direction finder, Reflected wave. E. M. Delorraine, E. Labin, and H. G. Busignies. 2,426,183; Aug. 26.
Disc tiller. H. M. Johnston. 2,426,354; Aug. 26.
Discharge device for the lower stratum component from fluid-pervious reciprocating stratifying tables. B. M. Bird. 2,426,337; Aug. 26.
Dishwashing machine. V. R. Abrams. 2,426,291; Aug. 26.
Distance measuring system. R. C. Newhouse. 2,426,232; Aug. 26.
Di (tertiary alkyl) peroxide polymerization catalysts. W. E. Vaughan and F. F. Rust. 2,426,476; Aug. 26.
Dolly. P. N. Sitton. 2,426,244; Aug. 26.
Door: *See*—
Furnace door.
Drafting mechanism, Long staple. B. J. Zalkind. 2,426,425; Aug. 26.
Drainpipe cleaner. P. Gavin. 2,426,265; Aug. 26.
Drier with air recirculating means, Warp. P. R. Rose. 2,426,415; Aug. 26.
Drop channel pulse multiplex system. D. D. Grieg. 2,426,202; Aug. 26.
Dyestuffs, Anthraquinone. G. D. Buckley and H. A. Piggott. 2,426,547; Aug. 26.
Electric impulse generator. E. S. Pridham. 2,426,322; Aug. 26.
Electric water heater. J. Gabler. 2,426,302; Aug. 26.
Electrical connector. B. A. Bels. 2,426,429; Aug. 26.
Electronic accumulator. R. E. Mumma and E. V. Gulden. 2,426,279; Aug. 26.
Electronic device. R. E. Mumma. 2,426,278; Aug. 26.
Electronic switch. J. K. Johnson. 2,426,454; Aug. 26.
Engine, opposed sliding abutments, Rotary cylinder. F. Beall. 2,426,428; Aug. 26.
Esters of hydroxyphenyl trichloromethyl carbinols. N. E. Searle. 2,426,417; Aug. 26.
Ether of amino-diphenylamines, Chlorinated-aliphatic. J. P. Goulding, R. P. Parker, and J. J. Denton. 2,426,576; Aug. 26.
Explosive device. N. M. Hopkins. 2,426,269; Aug. 26.
Fabricated piston ring. T. A. Bowers. 2,426,385; Aug. 26.
Fatty materials, Stabilization of. L. O. Buxton and C. E. Dryden. 2,426,486; Aug. 26.
Feed head, Automatic. C. E. Broders. 2,426,386; Aug. 26.
Feed reverse and stitch regulating attachment for sewing machines. M. Ingwer. 2,426,506; Aug. 26.
Feed unit for grinders, Compartmented safety type. O. J. Feight. 2,426,346; Aug. 26.
Feeding device. F. L. Green. 2,426,200; Aug. 26.
Feeding mechanism, Fuel. W. M. Fulton. 2,426,347; Aug. 26.
Filaments and products made therefrom, Finishing plastic. G. H. Wandel and T. H. Rider. 2,426,328; Aug. 26.
Film identifier, Dental x-ray. F. J. Stadler. 2,426,286; Aug. 26.
Filter element. P. F. McDermott. 2,426,405; Aug. 26.
Fin, Laminated heat-exchange. R. G. Vanderweil. 2,426,536; Aug. 26.
Fire protective device in film projectors. S. P. O. Sundgren. 2,426,324; Aug. 26.
Fish stringer. R. E. Davy. 2,426,208; Aug. 26.
Flexible connector. W. G. Taylor and C. L. Baxter. 2,426,251; Aug. 26.
Fluid, Low viscosity change. J. D. Morgan and R. E. Lowe. 2,426,407; Aug. 26.
Folder, bill folder and pocket construction. H. M. Herbener. 2,426,503; Aug. 26.
Folding table. S. L. Long. 2,426,514; Aug. 26.
Footwear. P. H. Margulis. 2,426,403; Aug. 26.
Footwear, Rubber. E. F. Heckman. 2,426,211; Aug. 26.
Force determining device. H. D. Isenberg. 2,426,396; Aug. 26.
Frequency modulator system with crystal oscillator. L. W. Born. 2,426,295; Aug. 26.
Friction element assembly. S. G. Tilden, F. D. Snell, and J. M. Fain. 2,426,421; Aug. 26.
Friction material, Treating. C. S. Batchelor. 2,426,294; Aug. 26.
Fuel, Production of aviation base. R. H. Newton. 2,426,233; Aug. 26.
Furnace door. A. Sontz. 2,426,568; Aug. 26.
Fuse, Mechanical time. C. C. Fawcett. 2,426,190; Aug. 26.
Fuse unit. A. H. Powell. 2,426,468; Aug. 26.
Garment. D. Owen. 2,426,282; Aug. 26.
Garment. A. Quinn. 2,426,565; Aug. 26.
Garment construction. A. A. Goldstein. 2,426,500; Aug. 26.
Garment hanger. J. F. Appleman. 2,426,292; Aug. 26.
Garment hanger. W. R. Kohl. 2,426,556; Aug. 26.
Gasoline of high antiknocking characteristics, Producing. F. C. Fahnestock. 2,426,495; Aug. 26.
Gate, Farm. S. Swanson. 2,426,380; Aug. 26.

Generator: *See*—
Cathode-ray steam generator. Electric impulse generator.
Getter apparatus. B. F. Steiger. 2,426,247; Aug. 26.
Gland packing. P. E. Lyddon. 2,426,461; Aug. 26.
Glass composition, Water-soluble. R. E. Hall and C. J. Munter. 2,426,394; Aug. 26.
Glasses, Borosilicate. J. E. Stanworth. 2,426,472; Aug. 26.
Gravity flashlight switch. A. E. Pringle. 2,426,373; Aug. 26.
Grinder, Drill. J. V. H. Whipple. 2,426,478; Aug. 26.
Guide for yarn winders, Control. S. A. Straw. 2,426,473; Aug. 26.
Gun perforator. C. J. McWhorter. 2,426,517; Aug. 26.
Gyroscope. G. L. M. Herondelle. 2,426,213; Aug. 26.
Hair, Method and apparatus for waving. M. del Zoppo. 2,426,343; Aug. 26.
Hanger: *See*—
Garment hanger. Skirt and trouser hanger.
Harness, Loom. J. J. Kaufmann. 2,426,456; Aug. 26.
Heat detection device. J. Evans. 2,426,494; Aug. 26.
Heater: *See*—
Air heater. Electric water heater.
Holder or pin cushion. R. D. Williams. 2,426,329; Aug. 26.
Hook: *See*—
Positive action release hook.
Hook for coupling devices, Pintle. W. J. Tierney. 2,426,532; Aug. 26.
Hydraulic coupling. T. A. Woolsey. 2,426,423; Aug. 26.
Hydrocarbon oil concentrates of barium sulfonates, Producing. F. M. Watkins and T. A. Hack. 2,426,540; Aug. 26.
Hydrocarbons, Catalytic cracking of. W. W. Johnstone. 2,426,273; Aug. 26.
Hydrogen fluoride from nonaqueous fluids and porous body for use in such process, Removal of. K. E. Long and H. W. Cromer. 2,426,558; Aug. 26.
Impulse recording optical system. J. A. Maurer, Jr. 2,426,366; Aug. 26.
Indicator: *See*—
Speed indicator.
Injection system. D. E. Meitzler. 2,426,319; Aug. 26.
Ink. A. Fischbach and M. Friedman. 2,426,194; Aug. 26.
Ink, Manufacture of carbon transfer. N. Sugarman. 2,426,248; Aug. 26.
Instrument navigation system. R. C. Hopgood, Jr. 2,426,218; Aug. 26.
Insulation for magnetic steel and the like. W. R. Frisch and C. W. Crew. 2,426,445; Aug. 26.
Insulator for electrical wire conductors. R. A. Minarik. 2,426,466; Aug. 26.
Intelligence reproducing system. C. H. Chambers. 2,426,178; Aug. 26.
Interpolymers. P. O. Tawney. 2,426,325; Aug. 26.
Jacket for milk cans, Cooling. C. P. Van Frank. 2,426,475; Aug. 26.
Jet thrust motor. W. E. Van Dorn. 2,426,537; Aug. 26.
Jewelry, Costume. M. D. Wynne, Sr., and T. H. Wynne, Jr. 2,426,571; Aug. 26.
Joint: *See*—
Pressure sealed joint.
Joint construction. R. E. Klages and W. A. Flumerfelt. 2,426,358; Aug. 26.
Key, Can. H. A. Davis. 2,426,180; Aug. 26.
Knitting apparatus and method. E. Killian. 2,426,357; Aug. 26.
Lacquer. O. Saslaw. 2,426,242; Aug. 26.
Lamp and starting device, Electric discharge. H. J. McCarthy. 2,426,229; Aug. 26.
Lamp fixture, Fluorescent. D. L. Cochener. 2,426,436; Aug. 26.
Land bulldozer, snow plow, and road maintainer, Farm. B. F. Owen. 2,426,410; Aug. 26.
Last for shoes. J. E. MacKay. 2,426,516; Aug. 26.
Latch for contactors. D. Ellis and O. L. Taylor. 2,426,301; Aug. 26.
Lens attachment for cameras. A. B. Parker. 2,426,521; Aug. 26.
Lens, Punch aligning. R. V. Wood. 2,426,480; Aug. 26.
Lift, Power. W. H. Silver. 2,426,530; Aug. 26.
Lifting and turning apparatus. P. I. Peterson. 2,426,284; Aug. 26.
Light reflecting sign. J. J. Booth. 2,426,163; Aug. 26.
Lights and assembly for vehicles, Decorative. W. Trautner. 2,426,534; Aug. 26.
Link, Cartridge belt. R. S. Sanford and J. J. Murphy. 2,426,527; Aug. 26.
Liquid congealing apparatus. E. H. Lutz. 2,426,515; Aug. 26.
Live center tool. E. E. Reinsch. 2,426,566; Aug. 26.
Loader, Vehicle mounted. M. Wooldridge. 2,426,544; Aug. 26.
Lock: *See*—
Sash lock.
Locking means. T. C. Jackson. 2,426,219; Aug. 26.
Lubricant composition. W. J. Coppock. 2,426,549; Aug. 26.
Machine for making wedge heels and the like. G. Clausing. 2,426,487; Aug. 26.
Mail box for walls. H. P. Johnson. 2,426,271; Aug. 26.
Mat, Mixing. J. A. Taylor. 2,426,249; Aug. 26.
Measuring apparatus, Electrical. C. Anderson. 2,426,383; Aug. 26.
Mercaptothiazole, Preparing unsubstituted. P. C. Jones. 2,426,397; Aug. 26.
Microwaves, Translation of. W. H. Doherty. 2,426,185; Aug. 26.
Mill with stationary table and radially arranged roller, Chasing. W. B. Chapman. 2,426,434; Aug. 26.
Milling cutter. R. G. Wilson. 2,426,382; Aug. 26.
Modulating control apparatus. S. G. Isserstedt. 2,426,508; Aug. 26.
Motor: *See*—
Jet thrust motor.
Two-piece jet thrust motor.
Motor control, Dual. C. D. Davidson. 2,426,488; Aug. 26.
Motor or generator, Brushless type of. M. J. Gould. 2,426,199; Aug. 26.
Motor with relay for reversing and breaking, Compound. A. L. Stanley. 2,426,378; Aug. 26.
Mounting: *See*—
Portable antenna mounting.
Mounting device, Meter. L. L. Young. 2,426,424; Aug. 26.
Mounting for earth movers, Push plate. E. W. Austin. 2,426,426; Aug. 26.
N-vinyl carbazole, Preparing. H. F. Miller and R. G. Flowers. 2,426,465; Aug. 26.
Nail straightener. E. S. Bush. 2,426,340; Aug. 26.
Nasal device. J. B. Biederman. 2,426,161; Aug. 26.
Needle, Infusion and biopsy. H. Turkel. 2,426,535; Aug. 26.
Nickel, Electroplating. E. W. Schweikher. 2,426,416; Aug. 26.
9,11-linolo-diricinolein and making same, Hydroxyacetylated and oxidized dimer of. M. De Groote. 2,426,490; Aug. 26.
9,11-linolo-diricinolein and making same, Oxidizing dimer of. M. De Groote. 2,426,489; Aug. 26.
Nitro derivatives of cyanoacetic esters and preparing them, Aliphatic. C. T. Bahner. 2,426,158; Aug. 26.
Object locating system. L. Espenschied. 2,426,189; Aug. 26.
Oil cleaner. A. F. Underwood. 2,426,327; Aug. 26.
Oil soluble colors of the anthraquinone series. M. Scalera and W. B. Hardy. 2,426,577; Aug. 26.
Oils, Stabilizing marine. L. O. Buxton and C. E. Dryden. 2,426,485; Aug. 26.
1-methylolcyclohexyl-cyclohexyl carbinol diacetate. J. E. Bludworth and D. P. Easter. 2,426,162; Aug. 26.
Operator's position for unassigned party line stations, Intercept. W. Hatton. 2,426,210; Aug. 26.
Optical lap, Thermoplastic synthetic resin. L. M. Hicks. 2,426,215; Aug. 26.
Orienting mechanism, Article. S. T. Carter. 2,426,433; Aug. 26.
Oscillators, Electrical relaxation. P. K. Chatterjea and D. M. Ambrose. 2,426,179; Aug. 26.
p-Chloro-acetophenone semibarbazone as an insecticide. S. I. Gertler and H. L. J. Haller. 2,426,349; Aug. 26.
Paper feeding device for writing machines. L. C. Antrim and F. Schultz. 2,426,333; Aug. 26.
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Phonograph recording and reproducing system. I. P. Rodman. 2,426,241; Aug. 26.
Picker stick check straps. H. J. Johnson. 2,426,353; Aug. 26.
Pier construction. R. W. Walton. 2,426,477; Aug. 26.
Pin for toy parts, Coupling. H. C. Tooms. 2,426,326; Aug. 26.
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Cigarette smoking pipe.
Piston construction, Engine. A. Kalitinsky and W. A. Ledwith. 2,426,310; Aug. 26.
Plastic machine. A. K. F. Koch. 2,426,457; Aug. 26.
Plough. L. J. E. Capon and J. Carne. 2,426,548; Aug. 26.
Pocketbook and card case, Combination. H. M. Herbener. 2,426,504; Aug. 26.
Portable antenna mounting. A. G. Richardson and C. S. Bednash. 2,426,240; Aug. 26.
Positive action release hook. C. D. Karp and J. L. Bachman. 2,426,221; Aug. 26.
Power transmission. C. A. Neracher and W. T. Dunn. 2,426,234; Aug. 26.
Preparations active against cocci infections. W. Meiser. 2,426,276; Aug. 26.
Press brake. R. Funk. 2,426,446; Aug. 26.
Presser, Glove. E. E. Ziskind. 2,426,331; Aug. 26.
Pressing machine attachment. S. Blumenfeld. 2,426,431; Aug. 26.
Pressure sealed joint. R. Fennema. 2,426,392; Aug. 26.
Printing device, Sheet. W. J. Peterson. 2,426,564; Aug. 26.
Propeller blades, Balancing. G. T. Lampton and D. R. Woolf. 2,426,400; Aug. 26.

Protective device for rocket components. R. M. Alverson. 2,426,171; Aug. 26.
Protective means for carrier wave transmitting systems. D. H. Peckham. 2,426,579; Aug. 26.
Pulse circulating circuit for multiplex systems. D. D. Grieg and A. M. Levine. 2,426,205; Aug. 26.
Pump: *See*—
Compound rotary pump.
Variable delivery alternating piston pump.
Pump for a fluid transmission mechanism, Variable delivery movable vane. I. W. Dillon. 2,426,491; Aug. 26.
Putter used in playing golf. D. Kramer. 2,426,274; Aug. 26.
Quick disconnect coupling. J. R. Snyder. 2,426,471; Aug. 26.
Radio beam controlled indicating instrument. D. D. Grieg. 2,426,203; Aug. 26.
Radio detection system. D. D. Grieg. 2,426,201; Aug. 26.
Radio guiding system. E. M. Deloraine and G. J. Lehmann. 2,426,184; Aug. 26.
Radio ranging, Method and apparatus for. H. M. Hart. 2,426,501; Aug. 26.
Radio receiver. W. J. O'Brien. 2,426,580; Aug. 26.
Radio transmitter automatic volume control. G. L. Fernsler. 2,426,193; Aug. 26.
Reading the indication of measuring instruments. G. C. Hartley. 2,426,209; Aug. 26.
Recoil mechanism for automatic firearms. G. W. Patchett. 2,426,563; Aug. 26.
Rectifier and making, Selenium. C. S. Smith. 2,426,377; Aug. 26.
Reducing turbulence to increase the density of the material within a container being packed, Method and apparatus for. E. D. Andrews. 2,426,574; Aug. 26.
Reflection from curved glass surfaces, Reducing. F. E. Williams. 2,426,541; Aug. 26.
Refrigeration apparatus including defrosting means. R. E. Tobey. 2,426,578; Aug. 26.
Refrigerator cabinet. T. W. Rundell. 2,426,525; Aug. 26.
Relay, Electromagnetic. S. H. Towner. 2,426,253; Aug. 26.
Resin compositions containing factice, Vinyl. F. S. Martin. 2,426,316; Aug. 26.
Resonator, Electrical. C. P. Carlson, R. W. Chesnut, and A. D. Knowlton. 2,426,177; Aug. 26.
Retainer and support, Hat form. H. J. Boemanns. 2,426,339; Aug. 26.
Retractor, Bucky. W. H. Haupt. 2,426,502; Aug. 26.
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Fabricated piston ring.
Rivets, Making expandable. C. T. Torresen. 2,426,422; Aug. 26.
Rocket shell. H. M. Renner. 2,426,239; Aug. 26.
Rotary-grate burner. W. M. Fulton and S. R. Galyon. 2,426,348; Aug. 26.
Rubber, Manufacture of sponge. W. Binns. 2,426,430; Aug. 26.
Sampler. C. W. Paulsen. 2,426,369; Aug. 26.
Sampling apparatus, Side wall. T. A. Banning, Jr. 2,426,335; Aug. 26.
Sash and sash guiding means. E. M. Trammell, Sr., and E. M. Trammel. 2,426,474; Aug. 26.
Sash lock. J. Lipani. 2,426,399; Aug. 26.
Screw driver. J. B. Goldberg. 2,426,197; Aug. 26.
Seal. F. Bottomley. 2,426,174; Aug. 26.
Seal, Pipe. A. J. Penick. 2,426,370; Aug. 26.
Selenium coating by immersion. M. C. Bloom. 2,426,173; Aug. 26.
Separator for potatoes, Gravity liquid. F. L. Lathrop. 2,426,398; Aug. 26.
Servomotor. R. H. Hill. 2,426,505; Aug. 26.
Shaving device with hair collecting means, Electric. D. Pinkus. 2,426,412; Aug. 26.
Shears, Automatic. W. J. Landen. 2,426,459; Aug. 26.
Sheet material on predetermined spaced lines, Deforming. W. E. Courtney. 2,426,260; Aug. 26.
Shirt collar shaping device. M. M. Newman. 2,426,519; Aug. 26.
Shock absorber. J. N. Gladden and G. A. Kendall. 2,426,447; Aug. 26.
Shock absorber, Friction. G. E. Dath. 2,426,261; Aug. 26.
Shock absorbing mechanism, Railroad draft gear friction. G. E. Dath. 2,426,262; Aug. 26.
Sign: *See*—
Light reflecting sign.
Signal portraying apparatus. R. B. Dome. 2,426,439; Aug. 26.
Skins, textile fabrics, and the like, Treating. P. Poser. 2,426,372; Aug. 26.
Skirt and trouser hanger. J. C. Yacoe. 2,426,330; Aug. 26.
Sling and end fitting therefor. F. W. von Wehrden. 2,426,538; Aug. 26.
Slug casting machine using a hand stick. H. A. Burt. 2,426,166; Aug. 26.
Snow removal apparatus. R. J. Inksetter. 2,426,507; Aug. 26.
Sodium fluoride pellet and making same, Porous. K. E. Long and H. W. Cromer. 2,426,557; Aug. 26.
Soil pulverizer with cleaner. R. R. Borngraeber. 2,426,482; Aug. 26.
Solder, Gold-copper. R. B. Nelson. 2,426,467; Aug. 26.
Sole attaching using high-frequency field. G. T. Hart. 2,426,268; Aug. 26.
Sole to welted shoes, Attaching. G. T. Hart, Jr. 2,426,267; Aug. 26.
Speed indicator. L. Mackta. 2,426,228; Aug. 26.
Speed mechanism for lathes, Change. C. W. Dyer. 2,426,299; Aug. 26.
Spray, Insecticidal oil. C. K. Hewes. 2,426,214; Aug. 26.
Spring pressed overload release clutch. R. K. Jeffrey. 2,426,351; Aug. 26.
Starter for electric discharge devices, Glow. R. J. McKenzie. 2,426,463; Aug. 26.
Steering apparatus, Marine-vessel. T. W. Sprake. 2,426,374; Aug. 26.
Straightening apparatus. A. V. de Forest. 2,426,390; Aug. 26.
Stroke control for free-piston units. A. Kalitinsky. 2,426,307–8; Aug. 26.
Sulfide catalysts, Reactivation of. H. G. Boucher and T. F. Leeds. 2,426,483; Aug. 26.
Sunglasses. L. W. Haas. 2,426,266; Aug. 26.
Support and brace therefor. O. B. Fetterman. 2,426,443; Aug. 26.
Supports for display forms, Adjustable head. R. A. Schramm and E. S. Wisniewski. 2,426,469; Aug. 26.
Sweep circuit. H. M. Zenor. 2,426,256; Aug. 26.
Switch: *See*—
Electronic switch.
Gravity flashlight switch.
Time switch.
Ultra high frequency switch.
System for locating a radiated-signal reflector. H. M. Lewis. 2,426,460; Aug. 26.
System of flat electrodes. E. C. Thomson. 2,426,252; Aug. 26.
Table: *See*—
Folding table.
Telecommunication system, Automatic. J. R. A. Escande. 2,426,188; Aug. 26.
Telephone system, Automatic. F. P. Gohorel. 2,426,196; Aug. 26.
Terminals to plates, Securing. A. L. Ge Wertz. 2,426,552; Aug. 26.
Thread-cutting mechanism for sewing machines. A. R. Wood. 2,426,543; Aug. 26.
Thread grinding wheel. J. E. Wainwright. 2,426,290; Aug. 26.
Throttle for free-piston units. W. A. Ledwith. 2,426,311; Aug. 26.
Time and distance measuring system. A. M. Skellett. 2,426,245; Aug. 26.
Time division radar ranging system. O. E. De Lange. 2,426,182; Aug. 26.
Time switch. L. R. Harmon. 2,426,350; Aug. 26.
Timing system, Aperiodic pulse. S. C. Hight. 2,426,216; Aug. 26.
Toilet. W. P. Miller, M. A. Davalle, and V. E. Dickens. 2,426,230; Aug. 26.
Tool: *See*—
Live center tool.
Tool for oil wells, Cementing. C. W. Breukelman. 2,426,164; Aug. 26.
Tool for raising overcoils on hair springs. C. Martenson. 2,426,404; Aug. 26.
Toy. H. E. Cole, H. O. McAlinden, and R. B. Banks. 2,426,437; Aug. 26.
Toy aircraft. F. A. Christiansen. 2,426,259; Aug. 26.
Toy, Parachute. A. Stillman. 2,426,323; Aug. 26.
Trace blanking and mixing, Return. M. Spector. 2,426,419; Aug. 26.
Transmission apparatus, Fluid. L. Montrose. 2,426,321; Aug. 26.
Transmission mechanism. J. O. Berndtson. 2,426,160; Aug. 26.
Trap for rail sanders, Sand. V. L. Frantz. 2,426,499; Aug. 26.
Trap for shuttles, Thread. W. J. Gosselin. 2,426,449; Aug. 26.
Tray, Dental impression. B. O. Chartrand. 2,426,388; Aug. 26.
Tri-(beta-aminoethyl)-amine and ortho-hydroxy aromatic carbonyls, Condensation products of. L. A. Hamilton and C. J. Pedersen. 2,426,206; Aug. 26.
Tub, Surgical. C. L. Graber. 2,426,303; Aug. 26.
Tubes for ultra high frequencies, Electron discharge. F. D. Goodchild and W. H. Wolsey. 2,426,198; Aug. 26.
Turning attachment for sewing machines, Belt. V. J. and J. Sigoda. 2,426,285; Aug. 26.
2,4,6-collidine from nitrogen base mixtures, Separation of. K. H. Engel. 2,426,442; Aug. 26.
Two-piece jet thrust motor. H. Rutishauser, R. C. Brumfield, and F. Zwicky. 2,426,526; Aug. 26.
Ultra high frequency switch. O. E. Dow. 2,426,186; Aug. 26.
Valve: *See*—
Automatic closing valve.
Automatic shut off valve.
Valve for percussive tools, Distributing. M. O'Farrell. 2,426,409; Aug. 26.
Valve tester, Hydraulic. C. W. Meyers. 2,426,406; Aug. 26.

Variable delivery alternating piston pump. T. J. Lester. 2,426,361; Aug. 26.
Variable flow restrictor. E. D. V. Platon. 2,426,238; Aug. 26.
Vehicle: *See*—
Child's vehicle.
Vehicle suspension warning indicator control. G. L. Larison. 2,426,360; Aug. 26.
Viscosimeter. K. Fischer. 2,426,263; Aug. 26.
Viscosimeter. K. Fischer. 2,426,393; Aug. 26.
Vulcanization, Process and apparatus for. C. M. Canfield. 2,426,341; Aug. 26.
Wagon welded in one piece, Tank. N. A. Andersson. 2,426,481; Aug. 26.
Wall cleaner. O. Stevason. 2,426,531; Aug. 26.
Warp beam. H. Menking. 2,426,464; Aug. 26.
Warp strumming apparatus. B. A. Hagler. 2,426,553; Aug. 26.
Washer having a releasable band drain, Tumbler type clothes. J. P. Jorgenson. 2,426,455; Aug. 26.
Waterproofing, Method and composition for. S. M. Edelstein. 2,426,300; Aug. 26.
Weather stripping and sash control. J. M. Snider. 2,426,567; Aug. 26.
Welding machine. L. E. Nichols. 2,426,280; Aug. 26.
Well corrosion, Inhibiting. P. L. Menaul. 2,426,317; Aug. 26.
Wheel: *See*—
Thread grinding wheel.
Wheel and traction belt for road vehicles, Drive. K. W. Couse. 2,426,342; Aug. 26.
Wheel suspension for vehicles. F. F. Linn. 2,426,513; Aug. 26.
Wheel unit, Reversible mountable gauge. W. H. Silver. 2,426,529; Aug. 26.
Winding machine. E. J. Abbott and W. L. Perry. 2,426,167–8; Aug. 26.
Wing for airplanes and the like. T. A. Banning, Jr. 2,426,334; Aug. 26.
Wrapping machine. C. J. Malhiot. 2,426,314; Aug. 26.
Wrench. M. J. Feiring. 2,426,191; Aug. 26.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 26, 1947

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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